

# IRON SHIPS.

Rev 2/8/72

345 Survey held at Dunbarton Date, First Survey 19<sup>th</sup> June 1871 Last Survey 19<sup>th</sup> March 1872

Ship S.S. Adelaide (as now lengthened) Master D Campbell

Tonn under 176.52  
 Ditto of Deep, or Raised Gr. Dk. 21.10  
 Ditto of Houses on Deck 7.05  
 Ditto of Forecastle  
 Gross Tonnage 204.75  
 Crew Space, as per Rule 14.49  
 Register Tonnage, as a Steamship, cut on Beam 102.61

ONE, OR TWO DECKED, SPAR, OR AWNING-DECKED VESSELS.  
 Half moulded breadth 9.25  
 Depth from upper part of Keel to top of Upper Deck Beams 10.75  
 Girth of Half Midship Frame (as per Rule) 17.20  
 1st Number 3720  
 Length 120.66  
 2nd Number 47927  
 Depths to Length 11.96

Built at Port Glasgow  
 When built 1866 Launched 2<sup>nd</sup> Feb 1866  
 By whom built H Murray & Co  
 Now lengthened by J & R Brown Dunbarton  
 Owners J & J Hay  
 Port belonging to Glasgow  
 Destined Voyage Glas Coast  
 Surveyed while Building, Afloat, or in Dry Dock. Clapd C 1

Length on deck as per Rule 120.66 Moulded Breadth 10.5 Feet. 10.5 Depths from top of Floors to Upper and Main Deck Beams, as per Rule 9.78 Power of Engines 21 No. of Decks with flat laid 11 No. of Tiers of Beams 11

Dimensions of Ship per Register, length, 130.5 breadth, 10.5 depth, 9.6

|                                                                                              | Inches in Ship. | Inches required per Rule. | Inches in Ship. | Inches required per Rule. | Inches in Ship. | Inches required per Rule. | Inches in Ship. | Inches required per Rule. |
|----------------------------------------------------------------------------------------------|-----------------|---------------------------|-----------------|---------------------------|-----------------|---------------------------|-----------------|---------------------------|
| Keel, if bar iron, depth and thickness                                                       | 6 x 1 1/2       | 6 3/4 x 1 1/4             | 6 x 1 1/2       | 6 x 1 1/4                 | 6 x 1 1/2       | 6 x 1 1/4                 | 6 x 1 1/2       | 6 x 1 1/4                 |
| Do. if centre through plate, depth and thickness                                             | 6 x 1 1/2       | 6 x 1 1/4                 | 6 x 1 1/2       | 6 x 1 1/4                 | 6 x 1 1/2       | 6 x 1 1/4                 | 6 x 1 1/2       | 6 x 1 1/4                 |
| Stern-post for Rudder do. do.                                                                | 1 1/2 x 2 1/2   | 6 x 2 1/2                 | 6 x 2 1/2       | 6 x 2 1/2                 | 6 x 2 1/2       | 6 x 2 1/2                 | 6 x 2 1/2       | 6 x 2 1/2                 |
| Stern-post for Propeller                                                                     | 6 x 2 1/2       | 6 x 2 1/2                 | 6 x 2 1/2       | 6 x 2 1/2                 | 6 x 2 1/2       | 6 x 2 1/2                 | 6 x 2 1/2       | 6 x 2 1/2                 |
| Distance of Frames from moulding edge to moulding edge, all fore and aft                     | 21              | 21                        | 21              | 21                        | 21              | 21                        | 21              | 21                        |
| Frames, size of Angle Iron, for 1/2 length amidships                                         | 2 1/2           | 2 1/2                     | 6               | 3                         | 2 1/2           | 5                         | 2 1/2           | 5                         |
| Do. for 1/2 at each end                                                                      | 2 1/2           | 2 1/2                     | 6               | 3                         | 2 1/2           | 4                         | 2 1/2           | 4                         |
| Reversed Frames, size of Angle Iron                                                          | 2 1/2           | 2 1/2                     | 5               | 2 1/2                     | 2 1/2           | 4                         | 2 1/2           | 4                         |
| Floors, depth and thickness of Floor Plate at mid line for half the length amidships         | 1 1/2           | 5                         | 11              | 5                         | 11              | 5                         | 11              | 5                         |
| Do. at the ends                                                                              | 24              | 5                         | 4               | 4                         | 4               | 4                         | 4               | 4                         |
| Do. do. do. at Bilge Keelson                                                                 | 4               | 5                         | 5               | 5                         | 5               | 5                         | 5               | 5                         |
| Do. height extended at the Bilges                                                            | 24              | 22                        | 22              | 22                        | 22              | 22                        | 22              | 22                        |
| Beams, Upper, Spar, or Awning Deck (No. single or double Angle Iron, Plate or Tee Bulb Iron) | 4               | 3                         | 6               | 4 1/2                     | 4               | 4                         | 4               | 4                         |
| Single or double Angle Iron on Upper edge                                                    | 42              | 2                         | 2               | 4                         | 4               | 4                         | 4               | 4                         |
| Average space                                                                                | 42              | 42                        | 42              | 42                        | 42              | 42                        | 42              | 42                        |
| Beams, Main or Middle Deck (No. single or double Angle Iron, Plate or Tee Bulb Iron)         | 4               | 3                         | 6               | 4 1/2                     | 4               | 4                         | 4               | 4                         |
| Single or double Angle Iron on Upper Edge                                                    | 42              | 2                         | 2               | 4                         | 4               | 4                         | 4               | 4                         |
| Average space                                                                                | 42              | 42                        | 42              | 42                        | 42              | 42                        | 42              | 42                        |
| Beams, Lower Deck, Hold or Orlop (No. single or double Angle Iron, Plate or Tee Bulb Iron)   | 4               | 3                         | 6               | 4 1/2                     | 4               | 4                         | 4               | 4                         |
| Single or double Angle Iron on Upper Edge                                                    | 42              | 2                         | 2               | 4                         | 4               | 4                         | 4               | 4                         |
| Average space                                                                                | 42              | 42                        | 42              | 42                        | 42              | 42                        | 42              | 42                        |
| Keelson Centre line, single or double plate, box, or Intercoastal, size of Plates            | 15              | 5                         | 14              | 5                         | 14              | 5                         | 14              | 5                         |
| Do. Bulb Plate to Intercoastal Keelson                                                       | 6               | 6                         | 4 1/2           | 5                         | 4 1/2           | 5                         | 4 1/2           | 5                         |
| Do. Size of Angle Irons                                                                      | 3               | 3                         | 6               | 3                         | 3               | 6                         | 3               | 6                         |
| Do. Side Intercoastal Keelson, size of Plates                                                | 3               | 3                         | 6               | 3                         | 3               | 6                         | 3               | 6                         |
| Do. Angle Irons on top of Floors                                                             | 3               | 3                         | 6               | 3                         | 3               | 6                         | 3               | 6                         |
| Do. Bilge Keelson, Plate Iron                                                                | 3               | 3                         | 6               | 3                         | 3               | 6                         | 3               | 6                         |
| Do. do. Intercoastal plates riveted to plating for length                                    | 3               | 3                         | 6               | 3                         | 3               | 6                         | 3               | 6                         |
| Do. do. Angle Irons                                                                          | 3               | 3                         | 6               | 3                         | 3               | 6                         | 3               | 6                         |
| Side Stringers (No. size of Angle Irons)                                                     | 3               | 3                         | 6               | 3                         | 3               | 6                         | 3               | 6                         |
| Do. Intercoastal plates riveted to plating for length                                        | 3               | 3                         | 6               | 3                         | 3               | 6                         | 3               | 6                         |

Transoms, material Iron or, if none, in what manner compensated for.  
 Knight-heads None Hawse Timbers Iron  
 Windlass British Oak Pall Bitt British Oak  
 The Frames extend in one length from Keel to Deck Stringer  
 The Reverse Angle Irons on the floors and frames extend from the middle line in each frame to upper transoms, bilge and to deck beams 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 Riveted to Keel, double or at upper edge, with Rivets (3/8 in.) diameter, averaging (2 1/2 ins.) from centre to centre.  
 Do. Edges from Garboards to upper part of Bilge, worked Clencher, double or single Riveted; with Rivets (1/2 in.) diameter, averaging (2 1/2 ins.) from centre to centre.  
 Do. Butts from Keel to turn of Bilge, worked carvel with butt straps to strakes (6 1/2) thick, double or single Riveted; with Rivets (3/8 in.) diameter averaging (2 1/2 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 one Strake at Bilge for half length, double riveted with Butt Straps 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 (3/8 in.) diameter, averaging (2 1/2 ins.) from centre to centre.  
 Do. Edges of Sheerstrake, Main, double or single Riveted. Upper, double or single Riveted. At upper edge single to gunwale At lower edge double  
 Do. Butts from Bilge to Main Sheerstrake, worked Carvel with Butt Straps (9 1/2) thick, double or single Riveted; with Rivets (3/8 in.) diameter, averaging (2 1/2 ins.) from centre to centre.  
 Do. Butts of Main Sheerstrake, double or treble Riveted. Butts of Upper or Spar Sheerstrake, and Upper Deck Stringer Plate, double or treble 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, treble, double or single Riveted 2  
 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? Plate knees No. of Breasthooks, None Crutches, None  
 What description of Iron is used for the Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Original parts of Iron & Steel  
 Manufacturer's name or trade mark, Blochain in Newport

We certify that the above is a correct description of the several particulars therein given.  
 Builder's Signature Singer Surveyor's Signature W. Murray



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.

Mast of Pitch Pine

Her Standing and Running Rigging is Wue Sheup sufficient in size and Good in quality. She has 2 Long Boats and and  
The present state of the Windlass is Good Capstan and Rudder Good Pumps Good  
**Engine Room Skylights.**—How constructed? On iron Comings How secured in ordinary weather? Screwed down  
What arrangements are there for deadlights in such for bad weather? Bullseyes in Etc  
**Coal Bunker Openings.**—How constructed? Mixed Iron Deck How are lids secured? by studs How high above deck? Flush  
**Scuppers, &c.**—What arrangements are there beyond the scuppers on deck, for clearing upper deck of water in case of a sea coming on board?  
Three ports and two mousing pipes on each side. Leads gangways.  
**Cargo Hatchways.**—How formed? With iron Comings State size 27' 8" x 9' 2" and less.  
If of extraordinary size, state how framed and secured? Comings well stiffened, also pillars to the floors  
What arrangement for shifting beams? With three iron shifting beams and a heavy brackles  
**Hatches,** themselves, whether strong and efficient? Yes **Main Hatchways.**—State size 27' 8" x 9' 2"

When this vessel was hauled-up. for lengthening. it was intended to add 25th amidships. This was extended to 42 feet and ultimately, to 63 feet, the original scantlings, with those now added, conform to the requirements of the G. O. A. grade, on this account the report of alterations is framed on a "first-entry" form. The depth has been slightly increased, the frames scarfed, and each one bracketed to the stringer plates, except, where they extend to form the raised quarter deck, and monkey forecastle, the stringer plates and sheerstrakes, except the fore ends, are new, together with the boss plates, after lengths of mating. raised quarter-deck, sides, and newly formed stern, several plates renewed in other parts of the original. The rudder & decks, are also new - the after sternpost is rendered small, in comparison, by the alterations. but the propeller has no after-bearing, <sup>was built in it</sup> and the stern frame is low in the counter. The thickness of the raised quarter-deck sides with its stringer angle iron is carried forward of the break, while the "belting" shown on the new section, extends from stem to quarter <sup>33 feet</sup>. State if one, two or three decked vessel, or if open or awning decked, and lengths of poop, forecabin or raised quarter deck, or of double or part double bottom.

Character assigned 90 L

SS No. 172 - 27/3/20  
Lengthened 1872