

# IRON SHIPS.

No. 955 Survey held at Glasgow Date 1<sup>st</sup> August 1854  
 on the Steamer "Queen" Master Colin Gedrick  
 Tonnage—Gross 262 1/2 Engine Room 88 1/2 Register 173 1/2 Built at Glasgow  
 When Built 1854 By whom built Robert Napier Owners Dundas & Shull  
 Port belonging to Dundas Destined Voyage Dundas & Shull  
 If Surveyed Afloat or in Dry Dock Patent Slip

| Length aloft  | Feet. | Inches. | Extreme Breadth | Feet. | Inches. | Depth from Beam to top of Floor                            | Feet. | Inches. | Power of Engines | Horse. No. |
|---|-------|---------|-----------------|-------|---------|--|-------|---------|------------------|------------|
|   | 134   | 7/10    |                 | 21    | 3/10    |  | 13    | 7/10    |                  | 100        |
| Distance between Floors amidships   | 1     | 6       |                 |       |         | Stem, $\frac{1}{2}$ bar iron, moulding and thickness       | 6 1/2 | 2 1/2   |                  |            |
| " " " forward and aft   | 1     | 6       |                 |       |         | " if plate iron, breadth and thickness                     | "     | "       |                  |            |
| " " Ribs amidships  | 1     | 6       |                 |       |         | Stern-post, $\frac{1}{2}$ bar iron, moulding and thickness | 6 1/2 | 3       |                  |            |
| " " " forward and aft   | 1     | 6       |                 |       |         | " " if plate iron, breadth and thickness                   | "     | "       |                  |            |
| Floors, Size of Angle Iron, and No. 1 at bottom of Floor Plate                        | 4     | 3       | 7/16            |       |         | Keel, $\frac{1}{2}$ bar iron, depth and thickness          | 6 1/2 | 2 1/2   |                  |            |
| " depth & thickness of Plate at mid line  | 15    | 1/2     |                 |       |         | " if plate iron, breadth and thickness                     | "     | "       |                  |            |
| " " " at turn of bilge  |       |         |                 |       |         | Garboard Plates, thickness                                 |       |         |                  |            |
| " Size of Reversed Angle Iron, and No. 1 at top of Floor Plate                        | 2 1/2 | 2 1/2   | 3/8             |       |         | " to bilge   |       |         |                  |            |
| Ribs, Size of Angle Iron, single or double  | 4     | 3       | 7/16            |       |         | Bilge  |       |         |                  |            |
| Reversed Iron, if to every frame  | 2 1/2 | 2 1/2   | 3/8             |       |         | " to Wales   |       |         |                  |            |
| Beams, Deck (No. 44) double or single   | 3     | 2 1/2   | 5/16            | 4 1/2 |         | Wales  |       |         |                  |            |
| Angle Iron  | 6     | 1/2     | Bull            | Chen  |         | Topsides   |       |         |                  |            |
| " depth & thickness of Plate amidships  |       |         |                 |       |         | Sheer-strakes  |       |         |                  |            |
| " double or single Angle Iron, on lower edge  | 3     | feet    |                 |       |         | Planksheers  |       |         |                  |            |
| " average space between   |       |         |                 |       |         | Gunwale Plate or Stringer                                  |       |         |                  |            |
| " if wood (No. ) sided & moulded  |       |         |                 |       |         | Waterway   |       |         |                  |            |
| Hold, (No. ) double or single   | 3     | 2 1/2   | 7/16            | 4 1/2 |         | Deck   |       |         |                  |            |
| Angle Iron  | 6     | 1/2     | Bull            | Iron  |         | Ceiling in flat  |       |         |                  |            |
| " depth & thickness of Plate amidships  | 5 1/2 | 3       | 3/8             | but   | ends    | Bilge Planks inside  |       |         |                  |            |
| " double or single Angle Iron, on lower edge  | 3     | 4       | 6               | feet  |         | Ceiling from Bilge to                                      |       |         |                  |            |
| " average space between   |       |         |                 |       |         | Hold Beam Clamps   |       |         |                  |            |
| " if wood (No. ) sided & moulded  |       |         |                 |       |         | " Shelf  |       |         |                  |            |
| Paddle, wood, sided and moulded or if Iron, size of Plate                             |       |         |                 |       |         | " Stringers  |       |         |                  |            |
| Engine  |       |         |                 |       |         | Ceiling between Decks                                      |       |         |                  |            |
| Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions | 5     | 3 1/2   |                 |       |         | Stringers  |       |         |                  |            |
| " Side or Bilge   | 15    | 1/2     |                 |       |         | Deck Beam Clamps   |       |         |                  |            |
| " Number  |       |         |                 |       |         | " Shelf  |       |         |                  |            |
|   |       |         |                 |       |         | Stringers in Hold  |       |         |                  |            |
|   |       |         |                 |       |         | Deck, Lower  |       |         |                  |            |

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

Knight-heads ☒

Hawse Timbers ☒ are they free from defects?

The Ribs extend in one length from Keel to Gunwale rivetted through plates with ( $\frac{3}{4}$  in.) rivets, about (8 in.) apart.

The reverse angle irons on the floors extend in one length across the middle line from to Hold Beams

" " " on the ribs " " " from to Gunwale Stringer

Keelson, if wood, length of scarp if iron, how are the various lengths connected? Shifted

Plates, Garboard, double or single rivetted to keel, with rivets ( $\frac{7}{8}$  ins.) diameter averaging (5 in.) from centre to centre of rivet.

" edges from Garboards to turn of bilge, worked carvel with a lining piece (— in.) thick, or clencher, double or single rivetted; rivets ( $\frac{3}{4}$  in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

" butts from Garboards to turn of bilge, worked carvel with a lining piece ( $\frac{7}{16}$  thick, double or single rivetted; rivets ( $\frac{3}{4}$  in.) diameter, averaging (3 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?

" edges from bilge to wales, worked carvel with a lining piece (—) thick, or clencher, double or single rivetted; rivets ( $\frac{3}{4}$  in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

" butts from bilge to wales, worked carvel with a lining piece ( $\frac{7}{16}$  thick, double or single rivetted; rivets ( $\frac{3}{4}$  in.) diameter, averaging (3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?

" edges of wales and to planksheers, worked carvel with a lining piece (—) thick, or clencher, double or single rivetted; rivets ( $\frac{3}{4}$  in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides

Waterway " " planksheer and to the beams

Side trussing breadth and thickness of plates how secured

Deck trussing

Deck Beams, how secured to the side Plate Angle Welded on Beams ends

Hold " "

Paddle " "

No. of breasthooks crutches how are pointers compensated?

What description of iron is used for the angle iron and bar iron in the vessel?

Said to be Best

R. Napier & Sons

Builder's Signature.



662. Iron

**Workmanship.** Are the lands or laps of the clenchwork in all cases sufficiently wide to take the rivets and support the strain on them?  
 Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies?  
 Do the fillings between the ribs and plates fill in all solid with sliver pieces, or are they in short lengths?  
 Do the holes for rivetting plate to lining piece, or plate to plate, &c., answer well to each other? and are the rivet holes well and sufficiently countersunk in the outer plate?  
 Are there any rivets which either break into or have been put through the seams or butts of the plating?  
 Was the plating caulked internally in the wake of the frames or ribs?

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> .            |                          |
| 1                         | Fore Sail,               | 100      | Chain .....                 | 1 1/2   | 2                           | Bower, 8-0-15 1/2 8-0-32 |
| 2                         | Fore Top Sails,          | 100      | Hempen Stream Cable .....   | 3/4     | 1                           | Stream, 4-1-16           |
| 1                         | Fore Topmast Stay Sails, | 100      | Hawser .....                | 6       | 1                           | Kedge, 1-3-17            |
| 2                         | Main Sails,              | —        | Towlines .....              | —       |                             |                          |
| —                         | Main Top Sails,          | 100      | Warp .....                  | 5       |                             |                          |
| and all other small Sails |                          |          | All of <u>Good</u> quality. |         |                             |                          |

Her Standing and Running Rigging Complete sufficient in size and Good in quality.

She has Two 31 feet long Boats and One of which is a Life Boat  
 The present state of the Windlass is Good Capstan good and Rudder Good Pumps Good

### GENERAL REMARKS.

Statement and date of repairs; extent of corrosion (if any) both internally and externally; and condition of rivets.

Three Water-tight Bulkheads  
Patent Screw Propeller, Rigged up as a Brig  
Testing Certificate of the Chain Cable produced

In what manner are the surfaces preserved from oxidation? Red Lead & Linseed Oil Paint

I am of opinion this Vessel should be Classed A. 1.

The Amount of the Fee ..... £ 4 : 0 : 0 is received by me,  
Sept. only £ 3 : 0 : 0 Debit accordingly  
 Special ..... £ 4 : 4 : 0

Certificate (if required) ..... £ 5 : 0 : 0

Committee's Minute 15th Sept 1854

Character assigned A 1 Built of Iron  
"H.P. 54"



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 Foundation