

IRON SHIPS.

Request for S. R. 336
No. 2267 Survey held at Glasgow Date Nov: 28th 1884
in the Scow S. "Spartan" Master not appointed
Tonnage Gross 390.39 Engine Room 94.12 Register 296.27 Built at Glasgow
When Built 1864 Launched September By whom built W. Stephen & Sons
Owners 6 Little 2 other Port belonging to Greenock Destined Voyage not fixed
If Surveyed Afloat or in Dry Dock while building

Length aloft	Feet. 1/2 in.	Extreme Breadth	Feet. 1/2 in.	Depth from top of Upper Deck Beam to top of Floor	Feet. 1/2 in.	Power of Engines	Horse.
176.5		23.5		13.58		90	
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship.	Inches required per Rule.					
18	21						
Floors, Size of Angle Iron, and No. 1 at bottom of Floor Plate	Inches in Ship.	Inches required per Rule.	16ths required per Rule.				
3 2 1/2 5 3 2 1/2 10							
depth and thickness of Floor Plate at mid line	12	5 1/2 4 7 1/2					
depth and thickness of Floor Plate at Bilge Keelson	6	5 1/2	7 1/2				
Size of Reversed Angle Iron, and No. 1 at top of Floor Plate	2 2 5 2 1/2 2 1/2 5						
Frames, Size of Angle Iron, single or double	3 2 1/2 4 3 2 1/2 5						
Reversed Iron, if to every frame	to the upper part of						
Bilges 8 or every 10th frame	to the Gunwale						
Beams, Deck (No. 1) double Angle Iron, Plate, or Bulk Iron	10 3 7 1/2 5 1/2 5						
double or single Angle Iron, on edge		3 2 1/2 4					
average space between	3 feet	3 feet					
if wood (No. 1) sided & moulded							
Hold, or Lower Deck (No. 1) double Angle Iron, Plate, or Bulk Iron	10 3 7 1/2 5 1/2 5						
double or single Angle Iron on edge		2 1/2 3 1/2 5					
average space between	6 feet	7 feet					
if wood (No. 1) sided & moulded							
Paddle, wood, sided and moulded, or if Iron, size of Plate							
Engine							
Keelson, single plate, box, or intercostal							
Size of Plates	10 7 1/2 10 1/2 7 1/2 7 1/2						
Size of Angle Irons	3 2 1/2 5 3 2 1/2 5						
Ditto Bilge (No. 1)							
Transoms, material <u>Iron Plate</u> , if none, in what manner compensated for.							
Knight-heads, and Hawse Timbers <u>Iron Frames</u>							
The Frames or Ribs extend in one length from <u>middle line</u> to <u>gunwale</u> rivetted through plates with (<u>7/16</u> in.) rivets, about (<u>5</u>) apart.							
The reverse angle irons on the floors extend in one length across the middle line from <u>upper part of bilge to bilge and</u>							
" " " on the frames " " " from <u>to alternately to Gunwale</u>							
Keelson, how are the various lengths of plates or angle irons connected? <u>by lining piece</u>							
Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (<u>1 1/2</u> in.) diameter averaging (<u>2 1/2</u> in.) from centre to centre of rivet.							
Edges from Garboards to upper part of bilge, worked <u>carvel with a lining piece</u> (<u>1 1/2</u> in.) thick, or clencher, double or single rivetted; rivets (<u>7/16</u> in.) diameter, averaging (<u>3</u> ins.) from centre to centre of rivets.							
Butts from Keel to turn of bilge, worked carvel with a lining piece <u>1 1/2</u> thick, double or single rivetted; rivets (<u>7/16</u> in.) diameter, averaging (<u>3</u> ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? <u>Yes</u>							
Edges from bilge to sheerstrake, worked <u>carvel with a lining piece</u> () thick, or clencher, double or single rivetted; rivets (<u>7/16</u> in.) diameter, averaging (<u>3</u> in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? <u>No</u>							
Edge of Sheerstrake, double or single rivetted? <u>Double</u>							
Butts from bilge to planksheers, worked carvel with a lining piece <u>1 1/2</u> thick, double or single rivetted; rivets (<u>7/16</u> in.) diameter averaging (<u>3</u> ins.) from centre to centre of rivets. Breadth of laps in double rivetting <u>7 1/2</u> Breadth of laps in single rivetting <u>7 1/2</u>							
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? <u>Double</u>							
Planksheer, how secured to the plating of the sides { Explain by sketch } <u>Long Iron Bulwarks</u>							
Waterway " " planksheer and to the Beams { if necessary. } <u>Butts and Scum Bolls</u>							
Deck Beams, how secured to the side? <u>2 Plate knees rivetted to Beams and Frames</u>							
Hold or Lower Deck " <u>Ditto</u>							
Paddle " <u>Ditto</u>							
No. of breasthooks <u>Four</u> crutches <u>Six</u> how are pointers compensated? <u>all Standards run through</u>							
What description of iron is used for the angle iron and plate iron in the vessel? <u>Glasgow mild</u> Builder's Signature <u>W. Stephen & Sons</u>							

3938 Iron
Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double rivetted edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted? Yes

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

Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? Yes

Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? Yes and are the rivet holes well and sufficiently countersunk in the outer plate? Yes

Are there any rivets which either break into or have been put through the seams or butts of the plating? a few in cases of Butts

Her Masts, Yards, &c., are in Good condition, and sufficient in size and length.

She has **SAILS.**

CABLES, &c.

ANCHORS, and their weights.

N^o.

Fore Sails,

Fore Top Sails,

Fore Topmast Stay Sails,

Main Sails,

Main Top Sails,

and

Tested to 22 1/2 Tons. 4 1/2
Chain 310 1 1/2
Hempen Stream Cable 490 7
Hawser
Towlines 490 5
Warp 490 4
All of Good quality.

Patent
Bower, 3 12.0.0
Used to 13 tons each at
Leamington, from Works
Sept. 22, 1864, by Pilot
Stream, 1 4.3.0
Kedge, 2 2.1.0

Her Standing and Running Rigging Gale 2nd Iron 2 Hanks sufficient in size and Good in quality.

She has Two life Boats Long Boat and and one long Boat

The present state of the Windlass is new Capstan new and Rudder new Pumps new and efficient

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

DATES of Surveys held while building, as per Section 17.
1st. On the several parts of the frame, when in place, and before the plating was wrought Built under Special
2nd. On the plating during the progress of rivetting Survey between 29th May and 26th Nov^r
3rd. When the beams were in and fastened, and before the decks were laid 1864
4th. When the ship was complete, and before the plating was finally coated
5th. After the ship was launched

This vessel is built as per specification furnished by Owners; the whole of the outside plating is double rivetted with the exception of one strake below Shearstrake. Reverse Frames in way of Engine and Boiler spaces for a length of 27 feet are extended from middle line to gunwale on each frame. The Plating is reduced a 1/8 of an inch at the ends for about a fourth of length.

The Owners wish to know what would be required to obtain the A Class, or whether the vessel will be deemed worthy of the A Class as at present built.

Anchors & Chains not tested at an Exhibition

Machinery new

In what manner are the surfaces preserved from oxidation?

Flat of Bottom with Portland Cement
resurfaces with red lead

I am of opinion this Vessel should be classed ✓

The amount of the Fee £ 4 : : : is received by me,

Dec 1865 Special £ 10 : 10 : :

Certificate (if required) £ entry

Committee's Minute 9th December 1864

Character assigned ✓

W. Darling

No compensation is
for extra length in
depth of draught

Lloyd's Register
Foundation