

IRON SHIPS.

No. 1950 Survey held at Glasgow Date 29th September 1862
 on the S.S. Perth Master Andrew Graham
 Tonnage Gross 498.87 Engine Room 130.81 Register 368.06 Built at Glasgow
 When Built 1862 By whom built Barclay Curle & Co. Owners Canon Co.
 Launched 6th Sept. 1862
 Port belonging to Grangemouth Destined Voyage Grangemouth to London
 Surveyed Afloat or in Dry Dock Whilst Building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse No.
18	8		24			14	9		125	
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship.	Inches required per Rule.								
Floors, Size of Angle Iron, and No. 1 at bottom of Floor Plate	Inches in Ship.	Inches required per Rule.								
depth and thickness of Floor Plate at mid line	Inches in Ship.	Inches required per Rule.								
depth and thickness of Floor Plate at Bilge Keelson	Inches in Ship.	Inches required per Rule.								
Size of Reversed Angle Iron, and No. 1 at top of Floor Plate	Inches in Ship.	Inches required per Rule.								
Frames, Size of Angle Iron, single or double	Inches in Ship.	Inches required per Rule.								
Reversed Iron, if to every frame	Inches in Ship.	Inches required per Rule.								
Beams, Deck (No. 50) double Angle Iron	Inches in Ship.	Inches required per Rule.								
Bulb Iron with double Angle Iron on top	Inches in Ship.	Inches required per Rule.								
depth & thickness of plate amidships	Inches in Ship.	Inches required per Rule.								
double or single Angle Iron, on lower edge	Inches in Ship.	Inches required per Rule.								
average space between	Inches in Ship.	Inches required per Rule.								
if wood (No.) sided & moulded	Inches in Ship.	Inches required per Rule.								
Hold, or Lower Deck (No. 44)	Inches in Ship.	Inches required per Rule.								
double Angle Iron or Bulb Iron with double Angle Iron on top	Inches in Ship.	Inches required per Rule.								
depth & thickness of plate amidships	Inches in Ship.	Inches required per Rule.								
double or single Angle Iron, on lower edge	Inches in Ship.	Inches required per Rule.								
average space between	Inches in Ship.	Inches required per Rule.								
if wood (No.) sided & moulded	Inches in Ship.	Inches required per Rule.								
Paddle, wood, sided and moulded or if Iron, size of Plate	Inches in Ship.	Inches required per Rule.								
Engine	Inches in Ship.	Inches required per Rule.								
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	Inches in Ship.	Inches required per Rule.								
Side or Bilge	Inches in Ship.	Inches required per Rule.								
Number	Inches in Ship.	Inches required per Rule.								

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

Knight-heads English Oak

Hawse Timbers Iron

Bulkheads, No. Six

Thickness of 3/16

are they free from defects?

how secured to the sides of the ship Rivetted between fore frames

size of vertical angle iron and their distance apart 3 x 2 1/2 x 3/16 x 30 lbs

The Frames or Ribs extend in one length from Middle Line to Gunwale rivetted through plates with (3/4 in.) rivets, about (7/8 in.) apart.

The reverse angle irons on the floors extend in one length across the middle line from Upper part of Hold Beam to Stringer plates

on the frames from Middle Line to Gunwale

Keelson, how are the various lengths of plates or angle irons connected? By Lining Pieces

Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (1/2 in.) diameter averaging (4 in.) from centre to centre of rivet.

Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1/2 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (4 in.) from centre to centre of rivets.

Butts from Keel to turn of bilge, worked carvel with a lining piece (1/2 in.) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (4 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes

Edges from bilge to planksheer, worked carvel with a lining piece (1/2 in.) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (4 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes

Butts from bilge to planksheers, worked carvel with a lining piece (1/2 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (4 in.) from centre to centre of rivets. Breadth of laps in double rivetting (5 in.) Breadth of laps in single rivetting (3 in.)

Planksheer, how secured to the plating of the sides

Explain by sketch,

Waterway planksheer and to the Beams

if necessary.

Side trussing breadth and thickness of plates how secured?

Deck trussing

Deck Beams, how secured to the side? Welded & rivetted to the frames

Hold or Lower Deck

Paddle

No. of breasthooks Three crutches Three how are pointers compensated? Round Stern Trained Complete

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

Builder's Signature

Cousett

Barclay Curle & Co.

2921 Jan

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 filings 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 Case of 1 Butt

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

She has **SAILS.**

N^o.
 One full set of sails
 and

Fore Sails,
 Fore Top Sails,
 Fore Topmast Stay Sails,
 Main Sails,
 Main Top Sails,

CABLES, &c.

	Fathoms.	Inches.
Anchor Chain	210	1 1/4
Hempen Stream Cable	68	3/4
Hawser	60	3/4
Towlines	90	5/8
Warp	90	5/8

All of good quality.

ANCHORS, and their weights.

	N ^o .	Weight.
Bower, <u>Antony</u>	3	16.2.18
		16.2.22
		12.3.14
Stream, <u>Common</u>	1	5.0.16
Kedge, <u>the</u>	1	2.2.0

Her Standing and Running Rigging Calcutta Hemp sufficient in size and Good in quality.

She has one life long Boat and one Quarter Boat and Skiff

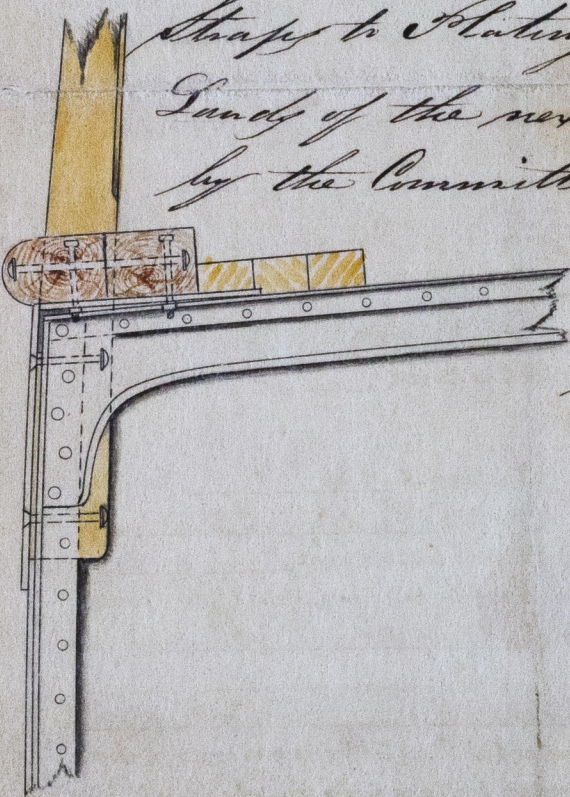
The present state of the Windlass is new Capstan new and Rudder new Pumps new and efficient

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 Ordinary
- 2nd. On the plating during the progress of rivetting Survey and at the following dates
- 3rd. When the beams were in and fastened, and before the decks were laid 23rd August
- 4th. When the ship was complete, and before the plating was finally coated 2.5.8. 11. 20th September
- 5th. After the ship was launched

The whole of the Midship Plating of this Vessel for a Length of 100 ft is 1/16th of an Inch thicker than required by Rule, All the Frames are Worked Double in Way of Boiler and Engine Room, and Built Straps to Plating are Extended over and Rivetted through the Gandy of the next Strake above and below, This was Considered by the Committee whilst here on the 11th August a Compensation for the increased space in the Double rivetting of Outside Plating and further sanctioned by your Letter of 23rd August



In what manner are the surfaces preserved from oxidation? Red Lead

I am of opinion this Vessel should be classed G.A.T.

The amount of the Fee£ 5 : - : - is received by me,

Special£ 5 : 5 : -

*Certificate (if required)£ - : 5 : -

Committee's Minute 10th October 1862.

Character assigned A 1 for 9 Years



Lloyd's Register
Foundation