

IRON SHIPS.

Rec 26/7/55

No. 3471 Survey held at Port Glasgow Date 21st July 1855
 on the Screw Steam Ship "Albanian" Master Wm Bruce
 Tonnage Gross 1034 Engine Room 331 Register 703 Built at Port Glasgow
 When Built 13 June 1855 By whom built John Reid & Co Owners John Bibby Sons & Co

Port belonging to Liverpool Destined Voyage Glyde to Liverpool and Mediterranean

If Surveyed Afloat or in Dry Dock White Building

Length aloft	Feet.	Inches.	amidships	Feet.	Inches.	Depth from Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse No.
.....	<u>242</u>		<u>289</u>			<u>19</u>	<u>10</u>		<u>180</u>	<u>Two engines</u>
Distance between Floors amidships	1	6				Stem, if bar iron, moulding and thickness	10	6	7	2 1/2
" " " forward and aft	1	6				" if plate iron, breadth and thickness				
" " Ribs amidships	1	6				Stern-post, if bar iron, moulding and thickness	9	4	4	4
" " " forward and aft	1	6				" if plate iron, breadth and thickness				
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	5	3	4	3	4	Keel, if bar iron, depth and thickness	10	2	4	
" depth & thickness of Plate at mid line	4	3	4	3	8	" if plate iron, breadth and thickness				
" " tapering to " turn of bilge	18		4		8	Garboard Plates, thickness				
" Size of Reversed Angle Iron, and No. at top of Floor Plate	3	3	3		8	" to bilge				
Ribs, Size of Angle Iron, single or double	5	3	4	3	4	Bilge				
" Reversed Iron, if to every frame or every frame	3	3	3		8	" to Wales				
Beams, Deck (No.) double or single						Wales				
" Angle Iron to every second frame						Topsides				
" depth & thickness of plate amidships	8		7		6	Sheerstrakes				
" double or single Angle Iron, on upper edge	2 1/2	2 1/2	5		6	Planksheers				
" average space between	Three feet					Gunwale Plate or Stringer				
" if wood (No.) sided & moulded						Waterway				
" Hold, (No.) double or single						Deck				
" Angle Iron to every second frame						Ceiling in flat				
" depth & thickness of plate amidships	8		7		6	Bilge Planks inside				
" double or single Angle Iron, on upper edge	2 1/2	2 1/2	5		6	Ceiling from Bilge to Clamps				
" average space between	Three feet					Hold Beam Clamps				
" if wood (No.) sided & moulded						" Shelf				
" Paddle, wood, sided and moulded	6		3		4	" Stringers				
" Angle Iron double on upper edge	2 1/2	2 1/2	5		6	Ceiling between Decks				
" or if iron, size of Plate						Stringers				
" Engine	90 feet					Deck Beam Clamps				
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	25		3		4	" Shelf				
" Side or Bilge	6		3		4	Stringers in Hold				
" Number	16					Deck, Lower				

Transoms, material None or, if none, in what manner compensated for. Stem framed

Knight-heads " } Pitch Pine } are they free from defects? Yes

Hawse Timbers " } Pitch Pine }

The Ribs extend in one length from Keel to Rails and Gunwale alternately rivetted through plates with (3/4 in.) rivets, about (7 ins.) apart.

The reverse angle irons on the floors extend in one length across the middle line from 5 feet on each side to upper and lower Decks alternately.

" " " on the ribs " " " from as on floors. to

Keelson, if wood, length of scarp 90 feet if iron, how are the various lengths connected? Butts intermediate

Plates, Garboard, double or single rivetted to keel, with rivets (1 1/8 ins.) diameter averaging (2 1/2 in.) from centre to centre of rivet.

" edges from Garboards to turn of bilge, worked carvel with a lining piece (1/2 in.) thick, or clencher, double or single rivetted; rivets (7/8 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 (5/8 in.) thick, double or single rivetted; rivets (7/8 in.) diameter, averaging (2 1/2 ins.) 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 wales, worked carvel with a lining piece (1/2 in.) thick, or clencher, double or single rivetted; rivets (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 (9/16 in.) thick, Double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/2 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes

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

Planksheer, how secured to the plating of the sides { Explain by sketch, if necessary.

Waterway " " planksheer and to the Beams { how secured

Side trussing " " breadth and thickness of plates

Deck trussing " " " " " "

Deck Beams, how secured to the side, By Bulk Iron knees 20 inches long welded to beams.

Hold " " " " " " " "

Paddle " " " " " " " "

No. of breasthooks Four crutches none how are pointers compensated? By stringers.

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

Builder's Signature.

830 Iron

431

Workmanship. Are the lands or laps of the clenchwork in all cases sufficiently wide to take the rivets and support the strain on them? *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 all solid with sliver pieces, or are they in short lengths? *All solid*
Do the holes for rivetting plate to lining piece, or plate to plate, &c., answer 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? *Several*
Was the plating caulked internally in the wake of the frames or ribs? *No.*

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 .		Fathoms.		Inches.	N ^o .
Two	Fore Sails,	300	Chain	1 1/2	3
One	Fore Top Sails,	90	Hempen Stream Cable	9	1
Two	Fore Topmast Stay Sails,	90	Hawser	7 1/2	1
One	Main Sails,	90	Towlines	6	
One	Main Top Sails,	90	Warp	4 1/2	
and <i>well found in other sails</i>		All of <u>Good</u> quality.			
<i>rigging is wire</i>					
Her Standing and Running Rigging		<u>Hemp</u> and is		sufficient in size and <u>Good</u> in quality.	

She has Two Life Boats Long Boat and Two Pinnaces and a Gig
The present state of the Windlass is Good one Capstan with patent purchase and Rudder Good Pumps Six of Good

GENERAL REMARKS.

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

Laid on in October 1854 and launched 13th June 1855. Specially Surveyed in accordance with secretaries instructions dated 20th September 1854. She has five watertight bulkheads the whole depth of the ship and two between decks 3/4 & 7/8 inch thick trussed with part Angle Iron 4x3x1/2 inch, and part half round Iron 2 1/2 x 1 1/2 inch. She has a Beam tie on each side of the Hatchways 12x3/4 inch on upper and lower Decks. The materials and workmanship are very good; and the certificates of testing chain cables have been produced to us and examined. Engineers Certificate herewith.

This vessel having been laid down prior to the promulgation of the Rules for Iron ships, and her framing and plating being so near the sizes required by the Rules, also taking into consideration quality of material and workmanship, we respectfully submit her claims to the consideration of the Committee for the 9 Years grade.

In what manner are the surfaces preserved from oxidation? Inside with three coats of Red lead. Outside with two coats of Red lead upperworks with two coats of Black Paint, bottom coated with two coats of composition, part S. Red Lead and part Wilson's composition

I am of opinion this Vessel should be classed "9 A 1."

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

Special£ 26 : 1 : 6

* Certificate (if required)£ : : :

John W. Cameron
Willm. B. Davey

Committee's Minute 27th July 1855

Character assigned 1 for 9 Years
Build of Iron

I concur in the above recommendation for 9 Years Class

W. B. Davey