

IRON SHIPS.

1218

Rev 15/12/86

No. 2811 Survey held at Hull Date November 29th 1856
 on the Screw Steamer "Albert" Master Pringdestor
 Tonnage Gross 498 Engine Room 159 Register 339 Built at Hull Launched 14th Oct 1856
 When Built 1856 By whom built Messrs M. Samuelson & Co Owners Anglo French Steam Ship Comp^y
 Port belonging to Grimby Destined Voyage France
 If Surveyed Afloat or in Dry Dock While Building By Navigation

Length afloat		Extreme Breadth		Depth from Beam to top of Floor		Power of Engines		Horse No.	
Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Inches.	16ths.
175		27	7/10	15		80			
Distance between Floors amidships		1	6	1	6	Stem, if bar iron, moulding and thickness		8	3/4
" " " forward and aft		1	6	1	6	" if plate iron, breadth and thickness			
" " Ribs amidships		1	6	1	6	Stern-post, if bar iron, moulding and thickness		8	3/2
" " " forward and aft		1	6	1	6	" " if plate iron, breadth and thickness			
Floors, Size of Angle Iron, and No. 98 at bottom of Floor Plate		3	3	3/16	3/2	Keel, if bar iron, depth and thickness			
" depth & thickness of Plate at mid line		13 1/2		15		" if plate iron, breadth and thickness		24	13/16
" " " at turn of bilge		3 1/2		5/16		Garboard Plates, thickness..			
Size of Reversed Angle Iron, and No. 98 at top of Floor Plate		2 1/2	2 1/2	7/16	2 1/2	" to bilge		8	1/16
Ribs, Size of Angle Iron, single or double		3	3	3/16	3 1/2	Bilge		8	1/16
" Reversed Iron, if to every frame		2 1/2	2 1/2	7/16	2 1/2	" to Wales		7/16	7/16
" " " " " " " " " "		2 1/2	2 1/2	7/16	2 1/2	Wales		7/16	6/16
Beams, Deck (No. 35), double or single		3	5	8/16	2 1/2 x 2 1/2	Topsides		8	1/16
" Angle Iron					1 3/4	Sheerstrakes		8	1/16
" " depth & thickness of plate amidships						Planksheers		8	9
" " double or single Angle Iron, on lower edge						Gunwale Plate or Stringer..		24	7/16
" " average space between		3 feet		3 feet		Waterway		8	9
" " if wood (No.) sided & moulded						Deck		3 1/2	
" Hold, (No. 27) double or single		3	5	8/16	X	Ceiling in flat		8 1/2	
" Angle Iron						Bilge Planks inside		8	8
" " depth & thickness of plate amidships						Ceiling from Bilge to Clamps			
" " double or single Angle Iron, on lower edge						Hold Beam Clamps			
" " average space between		6 feet		6 feet		" " Shelf			
" " if wood (No.) sided & moulded						" " Stringers		4	3
" Paddle, wood, sided and moulded						Ceiling between Decks			
" or if Iron, size of Plate						Stringers		4	3
" Engine						Deck Beam Clamps			
" " " " " " " " " "						" " Shelf			
Keelson, wood, sided & moulded, iron, size of		18		8/16	10	Stringers in Hold		4	3
" plate, if Box, give sketch & dimensions		3	3	8/16	4	Deck, Lower			
" Side or Bilge		5	3	8/16	4				
" Number									

Transoms, material or, if none, in what manner compensated for Plate iron across rivetted to the ribs
 Knight-heads Stetion Oak Bulkheads, No. Four Thickness of 5/16
 Hawse Timbers are they free from defects? yes
 The Ribs extend in one length from Short of Keelson to Sheer rivetted through plates with (3/4 in.) rivets, about (7) apart.
 The reverse angle irons on the floors extend in one length from the middle line from Keelson to 3 feet above the bilge
 " " " on the ribs " " " from Keelson to 3 feet above the bilge
 Keelson, if wood, length of scarp if iron, how are the various lengths connected? By plate iron over the butts
 Plates, Garboard, double or single rivetted to keel, with rivets (1 ins.) diameter averaging (3 1/2 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 (7/8 in.) diameter, averaging (3 1/2 ins.) from centre to centre of rivets.
 " butts from Garboards to turn of bilge, worked carvel with a lining piece (8 x 5/8) thick, double or single rivetted; rivets (7/8 in.) diameter, averaging (3 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 on alternate plates
 " edges from 3 feet above the bilge to wales, worked carvel with a lining piece (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 (8 7/16) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 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 on the alternate plates
 " edges of wales and to planksheers, worked carvel with a lining piece (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,
 Waterway flush planksheer and to the Beams if necessary. Planksheers & Waterways fastened to the gunwale plate by screw bolts and to the outside plating by through bolts
 Side trussing breadth and thickness of plates how secured
 Deck trussing Iron plate "10 x 6/16, one and a half on each side of the Hatchways, also diagonal truss on each side of plate iron 6 x 6/16
 Deck Beams, how secured to the side By triangle plate iron rivetted to the beams
 Hold " "
 Paddle " "
 No. of breasthooks crutches how are pointers compensated? Plate iron across rivetted to the ribs
 What description of iron is used for the angle iron and bar iron in the vessel? Martin's Patent Builder's Signature

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? *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? *No*
 Was the plating caulked internally in the wake of the frames or ribs? *No*

1218 Iron

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

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.	
N ^o .			Fathoms. Inches.	N ^o .	Weight.
	Fore Sails,	Chain	300 15 1/6	Bower,	15-1-6
<i>one</i>	Fore Top Sails,	Hempen Stream Cable	90 8	<i>Three</i>	15-1-0
<i>Suit</i>	Fore Topmast Stay Sails,	Hawser	90 5 1/2	Stream,	12-3-0
	Main Sails,	Towlines	120 4	<i>one</i>	4-0-0
	Main Top Sails,	Warp	120 3 1/2	Kedge,	2-1-0
and		All of <i>good</i> quality.			

Her Standing and Running Rigging *14* sufficient in size and *good* in quality.

She has *Two* Long Boat and _____

The present state of the Windlass is *Good* Capstan *Winch* and Rudder *good* Pumps *Iron good*

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

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	<i>April 24 1856</i>
	2nd.	On the plating during the progress of rivetting	<i>May 3 "</i>
	3rd.	When the beams were in and fastened, and before the decks were laid	<i>July 19 "</i>
	4th.	When the ship was complete, and before the plating was finally coated	<i>August "</i>
	5th.	After the ship was launched	<i>October 14 "</i>

The frame being stouter than is required by the rules and the outside plating being full thickness as required by the Rule I beg to recommend this Vessel to the favorable consideration of the Committee to be allowed the Six years grade

I concur in the above recommendation
16 Dec 1856 *St R*

In what manner are the surfaces preserved from oxidation? *By paint*

I am of opinion this Vessel should be classed *A1*

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

Dec 16 Special£ 16 : 19 : -

Certificate (if required) *Required* £ 20 : 19 : -

Committee's Minute *19th Dec^r 1856*

Character assigned *1 for 6 Years*

Henry Adams



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