

2945
IRON SHIPS.

No. 8043 Survey held at Newcastle Date 9 July to 17 Aug 1862
 on the Brig "Semiramis" Master Wm & Ruthie Jones
 Tonnage Gross 334 Engine Room _____ Register _____ Built at Newcastle
 When Built 1862 By whom built A. Robinson & Co Owners Wm & Ruthie Jones
 Port belonging to Shields Destined Voyage South American
 Surveyed Afloat or in Dry-Deck while building

Length aloft	Feet. Inches.		Extreme Breadth	Feet. Inches.		Depth from top of Upper Deck		Feet. Inches.		Power of Engines	Horse No.
Length aloft	117	0	Extreme Breadth	25	7/16	Depth from top of Upper Deck	15	0	Power of Engines		
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship. 18		Inches required per Rule. 18		Stem, if bar iron, moulding and thickness		5 1/4 x 2 1/4		Inches. 16ths required per Rule. 5 1/4 x 2 1/4		
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	Inches. 16ths required per Rule. 3 1/2 x 3 1/4		Inches. 16ths required per Rule. 3 1/4 x 3 1/4		Stern-post, if bar iron, moulding and thickness		5 1/4 x 2 1/4		Inches. 16ths required per Rule. 5 1/4 x 2 1/4		
depth and thickness of Floor Plate at mid line	15 1/2 x 7/16		7/16		Keel, if bar iron, depth and thickness		5 1/4 x 2 1/4		Inches. 16ths required per Rule. 5 1/4 x 2 1/4		
depth and thickness of Floor Plate at Bilge Keelson	3 1/2 x 7/16		7/16		Garboard Plates, thickness..		Description of Iron. Stamped 9 1/2 x 7 1/2		Inches. 16ths required per Rule. 9 1/2 x 7 1/2		
Size of Reversed Angle Iron, and No. at top of Floor Plate	2 1/2 x 2 1/4		2 1/4 x 2 1/4		From Garboard to upper part of Bilge		Bolted 7 1/2 x 5 1/2		Inches. 16ths required per Rule. 7 1/2 x 5 1/2		
Frames, Size of Angle Iron, single & double	3 x 3 1/2		3 1/4 x 3 1/4		From upper part of Bilge to Sheerstrakes		x Bolted 7 1/2 x 7 1/2		Inches. 16ths required per Rule. 7 1/2 x 7 1/2		
Reversed Iron, if to every frame	2 1/2 x 2 1/4		2 1/4 x 2 1/4		Sheerstrakes		7 1/2 x 5 1/2		Inches. 16ths required per Rule. 7 1/2 x 5 1/2		
Beams, Deck (No. 36) double Angle Iron	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Breadth & thickness of Butt Straps to outside plating		8 x 9 1/2 x 1 1/2		Inches. 16ths required per Rule. 8 x 9 1/2 x 1 1/2		
depth & thickness of plate amidships	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Planksheers		Iron be lashed		Inches. 16ths required per Rule. 5 1/2 x 5 1/2		
double or single Angle Iron, on lower edge	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Gunwale Plate or Stringer on ends of Up. Dk Beams		19 1/4 x 7/16		Inches. 16ths required per Rule. 19 1/4 x 7/16		
average space between	3 feet		3 feet		Angle Iron on ditto		5 1/2 x 5 1/2		Inches. 16ths required per Rule. 5 1/2 x 5 1/2		
if wood (No.) sided & moulded	3 feet		3 feet		Waterway		3 1/2 x 3 1/2		Inches. 16ths required per Rule. 3 1/2 x 3 1/2		
Hold, or Lower Deck (No. 20) double Angle Iron or Bulb Iron with double Angle Iron on top	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Deck		7 1/2 x 5 1/2 (3)		Inches. 16ths required per Rule. 7 1/2 x 5 1/2		
depth & thickness of plate amidships	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Ceiling in Hold		Steel Plate 3 1/2 x 2		Inches. 16ths required per Rule. 3 1/2 x 2		
double or single Angle Iron, on lower edge	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Ceiling betwixt Decks		Steel Plate 3 1/2 x 2		Inches. 16ths required per Rule. 3 1/2 x 2		
average space between	2 1/2 feet		2 1/2 feet		Beam Clamps		19 1/4 x 7/16		Inches. 16ths required per Rule. 19 1/4 x 7/16		
if wood (No.) sided & moulded	2 1/2 feet		2 1/2 feet		Shelf		3 1/2 x 3 1/2		Inches. 16ths required per Rule. 3 1/2 x 3 1/2		
Paddle, wood, sided and moulded or if Iron, size of Plate	2 1/2 feet		2 1/2 feet		Stringer Plates on ends of Hold or Lower Dk Beams		19 1/4 x 7/16		Inches. 16ths required per Rule. 19 1/4 x 7/16		
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Ceiling between Decks		Steel Plate 5 1/2 x 3 1/2		Inches. 16ths required per Rule. 5 1/2 x 3 1/2		
Side or Bilge	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Stringer or Tie Plates outside Hatchways		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Number	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Deck Beam Clamps		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Transoms, material <u>Plate</u> or, if none, in what manner compensated for.	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Shelf		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Knight-heads	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Stringers in Hold		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Hawse Timbers	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Deck, Lower		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
The Frames or Ribs extend in one length from <u>Keel</u> to <u>Gunwale</u> rivetted through plates with (3/4 in.) rivets, about (4) apart.	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Deck, Upper, how fastened to Beams		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
The reverse angle irons on the floors extend in one length across the middle line from _____ to <u>above Bilge and</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Bulkheads, No. <u>Two</u> Thickness of <u>5 1/2 x 7/16</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
on the frames " " " " from _____ to <u>alternately to Gunwale</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		how secured to the sides of the ship <u>to double frames</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Keelson, how are the various lengths of plates or angle irons connected? <u>rivetted to keel</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		size of vertical angle iron and their distance apart <u>2 1/2 x 2 1/4 x 5 1/2</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (1/4 in.) diameter averaging (3 1/2 in.) from centre to centre of rivet.	5 1/2 x 5 1/2		5 1/2 x 5 1/2		The Frames or Ribs extend in one length from <u>Keel</u> to <u>Gunwale</u> rivetted through plates with (3/4 in.) rivets, about (4) apart.		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1/4 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 in.) from centre to centre of rivets.	5 1/2 x 5 1/2		5 1/2 x 5 1/2		The reverse angle irons on the floors extend in one length across the middle line from _____ to <u>above Bilge and</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Butts from Keel to turn of bilge, worked carvel with a lining piece (1/4 in.) thick, double or single rivetted; rivets (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? <u>Yes</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		on the frames " " " " from _____ to <u>alternately to Gunwale</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Edges from bilge to planksheer, worked carvel with a lining piece (1/4 in.) thick, double or single rivetted; rivets (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? <u>Yes</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Keelson, how are the various lengths of plates or angle irons connected? <u>rivetted to keel</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Butts from bilge to planksheers, worked carvel with a lining piece (1/4 in.) thick, double or single rivetted; rivets (3/4 in.) diameter averaging (3 in.) from centre to centre of rivets. Breadth of laps in double rivetting (4) Breadth of laps in single rivetting (1/2)	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (1/4 in.) diameter averaging (3 1/2 in.) from centre to centre of rivet.		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Planksheer, how secured to the plating of the sides	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1/4 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 in.) from centre to centre of rivets.		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Waterway " " planksheer and to the Beams	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Butts from Keel to turn of bilge, worked carvel with a lining piece (1/4 in.) thick, double or single rivetted; rivets (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? <u>Yes</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Side trussing " " breadth and thickness of plates " " how secured?	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Edges from bilge to planksheer, worked carvel with a lining piece (1/4 in.) thick, double or single rivetted; rivets (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? <u>Yes</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Deck trussing <u>Diagonal</u> " " " " rivetted to angle iron on beams	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Butts from bilge to planksheers, worked carvel with a lining piece (1/4 in.) thick, double or single rivetted; rivets (3/4 in.) diameter averaging (3 in.) from centre to centre of rivets. Breadth of laps in double rivetting (4) Breadth of laps in single rivetting (1/2)		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Deck Beams, how secured to the side? <u>double keel plates rivetted to beams</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Planksheer, how secured to the plating of the sides		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Hold or Lower Deck " " " " " "	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Waterway " " planksheer and to the Beams		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
Paddle " " " " " "	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Side trussing " " breadth and thickness of plates " " how secured?		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
No. of breasthooks <u>3</u> crutches <u>4</u> how are pointers compensated? <u>by</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Deck trussing <u>Diagonal</u> " " " " rivetted to angle iron on beams		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
What description of iron is used for the angle iron and plate iron in the vessel? <u>Stamped</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Deck Beams, how secured to the side? <u>double keel plates rivetted to beams</u>		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		
<u>"Hawthorn, Gateshead & Co. Bolted and Wrought"</u>	5 1/2 x 5 1/2		5 1/2 x 5 1/2		Hold or Lower Deck " " " " " "		Steel Plate 9 3/4 x 7/16		Inches. 16ths required per Rule. 9 3/4 x 7/16		

2745 ton

Workmanship. Are the lands or laps of the clenwork 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? Long lengths

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? None

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 .	Weight.
<u>One</u>	Fore Sails,	<u>210</u>	<u>1 1/4</u>	Bower,	<u>3 15.0.1</u>
<u>Complete</u>	Fore Top Sails,	<u>60</u>	<u>1 3/16</u>	Stream,	<u>1 4.0.24</u>
<u>Sight</u>	Fore Topmast Stay Sails,	<u>40</u>	<u>9</u>	Kedge,	<u>2 2 1/2</u>
	Main Sails,	<u>40</u>	<u>5 1/2</u>		<u>1.1.21</u>
	Main Top Sails,	<u>40</u>	<u>5 1/2</u>		
	and <u>other requisite</u>	<u>good</u>	<u>quality.</u>		

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

She has 19 feet Long Boat and two of 18 feet & 14 feet each

The present state of the Windlass is good Capstan good and Rudder Complete Pumps 2. 1. 1. 2. 1.

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
 - 2nd. On the plating during the progress of rivetting
 - 3rd. When the beams were in and fastened, and before the decks were laid
 - 4th. When the ship was complete, and before the plating was finally coated
 - 5th. After the ship was launched
- As per order no 368.

I beg to refer to my letter of the 22nd July respecting a portion of the iron in this vessel omitted to be stamped with the manufacturer's name; and to yours of the 24th of the same month, directing Mr. Martin's attention to the quality of the iron. A test of some pieces was made which appeared to Mr. Martin and myself to be of good quality; and at the same time it was suggested to have a certificate of its quality from the manufacturer, which I herewith enclose.

In what manner are the surfaces preserved from oxidation? Steel painted and Grease on bottom
and inside can contact to above the level

I am of opinion this Vessel should be classed Good.

The amount of the Fee£ 40: 0: 0 is received by me,

Special£ 15: 0: 0

Certificate (if required)£ 0: 0: 0

Committee's Minute 11th November 18

Character assigned A 1 for 9 years

[Handwritten signature and notes]

10/10/52

She appears eligible for classification and recommended

* Name of Registrar 1860, Registrar, Newcastle

