

No. 613 Survey held at Sunderland Date March 1859  
 on the Ship "Isles of the South" Master Mr. Pearson  
 Old Tonnage Built at Sunderland When built 1858 & 59 Launched 5 March  
 New 821 By whom built James Lain Destined Voyage  
 Port belonging to London  
 If Surveyed while Building, Afloat, or in Dry Dock whilst Building

	Feet. Length aloft	Inches. Sided, IN SHIP. Moulded.	Extreme Breadth Outside		Feet. Length aloft	Inches. Sided, IN SHIP. Moulded.	Depth of Hold		Feet. Length aloft	Inches.	
Scantlings of Timber.		Middle. Ends.	REQUICKED PER RULE. Middle. Ends.	Outside.		Inches. In Ship.	Required per Rule.	Thickness of Plank.		Inches. In Ship.	Required per Rule.
TIMBER AND SPACE	32	31 1/4	31 1/4	Garboard Strakes	13	4 1/4	Limber Strakes	12 1/2	4 1/4		
Floors	14	14	12 1/4	Garboard to Bilge	4 1/2	4 1/4	Bilge Planks	5 1/2	4 1/4		
1 <sup>st</sup> Foothooks	12 1/2	12 1/2	12 1/4	Bilge Planks	5	4 1/4	Ceiling in Flat	3 1/2	3 1/4		
2 <sup>nd</sup> Ditto	11 1/2	11 1/2	11 1/4	Bilge to Wales	6	4 1/4	Ditto Bilge to Clamp	3 3/4	3 1/4		
3 <sup>rd</sup> Ditto	10 1/2	10 1/2	6 1/4	Wales	6	5 1/2	Hold Beam Clamps	5	4 1/4		
Top Timbers	10	-	6 1/4	Topsides	6	4 1/4	Deck Beam Ditto				
Deck Beams, length amidships	29 1/4			Sheer Strakes	6	4 1/4	Ceiling 'twixt Decks	3 1/4	2 1/4		
Hold Beams { N° 28 Average Space }	4 1/2	13	13 1/11	Plank Sheers	4 1/2	4	Hold Beam Shelves	14 x 13	13 1/4 x 10 1/2		
Hold Beams, length amidships	29 1/4	6	13 1/4	Waterways { Upper Deck	10 x 10	9 1/4 x 4 1/4	Deck Beam Ditto	12 x 11	9 1/4 x 9 1/4		
Keel	15	15	14 1/4	Ways { Lower Deck	12 x 12	10 1/2 x 10 1/2					
Scarps of Ditto	6 1/2	9	6 1/2	Ditto, faying surface against Timbers ..	10	9					
Keelsons	16	17	15 1/2	Upper Deck ..	3 1/2	3 1/2					
Scarps of Ditto	9 1/2	6	7 1/2								

Size of Bolts in Fastenings, distinguishing whether Copper or Iron; also of Treenails.

Outer or Inner Inches In Ship.	Inches required per Rule	Outer Inches In Ship.	Inches required per Rule	Outer Inches In Ship.	Inches required per Rule
Heel-Knee, and Deadwood abaft Scarps of Keel.....N°. 10	1 1/2	1 1/2	Transoms and throats of Hooks ..	1 1/2	1 1/2
Keelson Bolts through Keel at each Floor .....	1 1/2	1 1/2	Arms of Hooks ..	1 1/2	1 1/2
Bolts through Heels of Timbers against Deadwood .....	2 1/2	2 1/2	Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	7/8	7/8
	8	8	Butt End Bolts ..	8 1/2	8 1/2
			Pintles of the Rudder ..	3 1/2	3 1/2

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks is 2 1/2 Inches. The Space between the Top-Timbers is 4 1/2 Inches.

The Floors consist of English Oak & Teak The First Foothooks of Eng' Oak

The Second Foothooks of Eng' Oak The Third Foothooks and Top Timbers of Eng' Oak

The Shifts of the First and Second Foothooks are not less than 1 1/2 x 8 1/2 inches. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are sufficient

The Frame is well squared from the First Foothook Heads upwards, and well free from sap, and from thence downwards, the frame is well squared

The alternate Frames are all bolted together to the Gunwale.

N. B. If not, state how bolted.

The Butts of the Timbers are all close together; their thickness not less than 1 1/2 x 4 1/4 of the entire moulding at that place.

The Frame is cross chocked with a Butt at each end of the chock.

The Main piece of Rudder is Eng' Oak

The Main Keelson is Greenheart and free from all defects. The Main piece of Windlass is Eng' Oak

The Stem, and Stern Post, consist of Eng' Oak & Teak. The Transoms, Aprons, Knight Heads, and

Hawse Timbers of Eng' Oak & Teak Deadwood, of American Elm as per rule remain air dry and are free from all defects.

The Deck and Hold Beams consist of Teak 16 The Breasthooks of Iron The Knees of Iron

**Planking Outside.**—From the Keel to the Height defined in Note to Table A { the Plank is American Elm

From the above named Height to the Light Water Mark Danckick Oak

From the Light Water Mark to the Wales Teak 16

The Wales and Black-strakes are Teak 16 The Topsides Teak 16

The Sheer-strakes and Plank-sheers Teak 16 The Water-ways { Upper Deck Teak 16

The Deck Teak The Lower Deck Teak 16

State of Iron

The Shifts of the Planking are not less than 5 Feet 6 Inches. N. B. If less than prescribed by the Rule, state whether general

or partial, and if partial, in what part of the Ship. The Planking is wrought 4 between, and without step-butting

**Planking Inside.**—The Limber-strakes and Bilge-strakes are Teak 16

The Ceiling, Lower Hold, and between Decks Teak 16 Shelf Pieces and Clamps Teak 16

**Fastenings.**—To Hold Beams Shelves & Waterways Lodging knees to alternate spaces and hanging knees to each Beam

Deck Beams Shelves & Waterways Lodging knees to alternate spaces and hanging knees to each Beam

Number of Breasthooks 7 of Iron Pintles 4 & Hanging plates Clutches 3 of Iron

Butts End Bolts are of Yellow Metal the Bottom, and two Bolts in each Butts End through and clenched.

Bilge and Limber Strakes are bolted through and clenched. Treenails of Eng' Oak & Teak How Made Circular

Thickstuff over Double Floors bolted through and clenched. General Quality of Workmanship Good

We certify that the above is a correct description of the several particulars therein given

Builder's Signature James Lain Surveyor's Signature

SLB934-0052

Lloyd's Register Foundation

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

She has SAILS.

N°.	CABLES, &c.
2	Fore Sails,
2	Fore Top Sails,
2	Fore Topmast Stay Sails,
2	Main Sails,
2	Main Top Sails,
	and others as usual
	All of <u>good</u> quality.

CABLES, &c.

	Fathoms.	Inches.	ANCHORS, and their weights.
Chain Hawser	300	1 1/16	Bower, .....
Hemp Stream Cable	90	1	Stream, .....
Hawser			Kedge, .....
Towlines	80	7 3/4	
WarpS.	80	6	
	80	5 1/2	
	80	4 1/2	

N°.	Weight.
6	33.3.15
1	33.3.2
1	30.2.5
1	10.0.25
1	5.0.14

Her Standing and Running Rigging is ~~partly~~ <sup>hemp</sup> insufficient in size and good in quality.

She has one Long Boat and 3 others

The present state of the Windlass is New Capstan New Rudder New Pumps New

General Remarks and Statement and Date of Repairs, if any.

DATES of Surveys held while building, as per Section 35.	1st. When the Frame is completed	<u>14 Sept 1858</u>
	2nd. When the Beams are put in, &c.	<u>7 December</u>
	3rd. { When completed, and before the plank be painted or payed }	<u>22 February 1859</u>

This vessel is fastened with yellow metal inclusive of the keels of the cant timbers and flat of upper deck, as per rule also fitted with 15 pairs of external iron plates  $5 \frac{3}{4}$  inclining aft in the fore body and forward the after body fastened with a bolt in every timber taking two bolts in floors.

James Lane

Present condition of Caulking of Bottom, Good Deck, Good and Waterways Good

If Sheathed, Doubled, Etc'd, or Coppered single bottom When last done \_\_\_\_\_

W<sup>m</sup> of opinion this Vessel should be Clasped 13 A.1.

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

Over W. 793 Special ..... £ 41 : 1 : G. H.

Certificate .... £ " : " :

Phos. B. Simay  
Thos Adamson.

Committee's Minute 8<sup>th</sup> April 1859

Character assigned A 1 yr 13 Years old



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Foundation