

Survey held at Guernsey Date August 9<sup>th</sup> 1861  
on the Ship Costa Rica. Packet Master Mr. James Lecky Smith  
Tonnage Old New 531 25/100 Built at Guernsey When built 1861 Launched 27 July 1861  
By whom built Mr. James Lecky Owners Chief Wm. Lecky & Co. & Co.  
Port belonging to Guernsey Destined Voyage to the Pacific (via London)  
Is Surveyed while Building, Afloat, or in Dry Dock Under special inspection.

Length aloft	Feet.	Inches.	Extreme Breadth Outside	Feet.	Inches.	Depth of Hold	Feet.	Inches.
	163			28	4 1/2		17	3 1/2
Thickness of Plank.								
Scantlings of Timber.			Outside.			Inside.		
TIMBER AND SPACE			Garboard Strakes ..			Limber Strakes ....		
Floors .....			Garboard to Bilge ..			Bilge Planks .....		
1 <sup>st</sup> Foothooks .....			Bilge Planks .....			Ceiling in Flat ....		
2 <sup>nd</sup> Ditto .....			Bilge to Wales ....			Ditto Bilge to Clamp		
3 <sup>rd</sup> Ditto .....			Wales .....			Hold Beam Clamps ..		
Top Timbers .....			Topsides .....			Deck Beam Ditto ..		
Deck { N <sup>o</sup> 23 Average } 4 feet			Sheer Strakes .....			Ceiling 'twixt Decks		
Beams { N <sup>o</sup> 17 Average } 4 8 feet			Plank Sheers .....			Hold Beam Shelves ..		
Hold Beams, length amidships			Water-Upper Deck			Deck Beam Ditto ..		
Keel .....			Ways { Lower Deck					
Scarphs of Ditto .....			Ditto, faying surface					
Keelsons .....			against Timbers ..					
Scarphs of Ditto .....			Upper Deck .....					

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

Heel-Knee, and Deadwood abaft	Copper	Inches	Transoms and throats of Hooks ..	Copper	Inches	Hold Beam Bolts in	Copper	Inches
Scarphs of Keel.....N <sup>o</sup> 8	1 1/2	1 1/2	Arms of Hooks .....	1 1/2	1 1/2	Knees .....	1 1/2	1 1/2
Keelson Bolts through Keel at			Bolts thro' Bilge & Limber Strakes,			Shelf or Clamp		
each Floor .....	1 1/2	1 1/2	or Thickstuff over Double Floors	1 1/2	1 1/2	Waterway ..	1 1/2	1 1/2
Bolts through Heels of Timbers			Butt End Bolts .....	1 1/2	1 1/2	Knees .....	1 1/2	1 1/2
against Deadwood .....	1 1/2	1 1/2	Pintles of the Rudder .....	1 1/2	1 1/2	Shelf or Clamp	1 1/2	1 1/2
						Nails or Bolts in Flat of Deck ....	1 1/2	1 1/2
						Treenails .....	1 1/2	1 1/2

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks is 5 1/2 Inches. The Space between the Top-Timbers is 6 1/2 Inches.

The Floors consist of English Oak The First Foothooks of English Oak

The Second Foothooks of English Oak The Third Foothooks and Top Timbers of English Oak

The Shifts of the First and Second Foothooks are not less than 4 feet 2 inches N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are 4 feet 2 inches upwards

The Frame is well squared from the First Foothook Heads upwards, and quite free from sap, and from thence downwards, the frame is well squared The first futtocks but upon the middle line of the keel.

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 of the entire moulding at that place.

The Frame is crane choiced with a Butt at each end of the choick. The Main piece of Rudder is Teak

The Main Keelson is Teak 16 and — free from all defects. The Main piece of Windlass is Teak

The Stem, and Stern Post, consist of English Oak The Transoms, Aprons, Knight Heads, and

Hawse Timbers of English Oak & Teak 16 Deadwood, of about English Oak and are — free from all defects.

The Deck and Hold Beams consist of Teak 16 The Breasthooks of iron The Knees of 3 pair of Staple cross

**Planking Outside.**—From the Keel to the Height defined in Note to Table A, the Plank is about Teak

From the above named Height to the Light Water Mark Teak 16

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 Decks Main Deck Danish Crown fir Lower Deck Teak 16

The Shifts of the Planking are not less than 6 Feet — Inches. State of Decking good

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 three between, and without step-butting.

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

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

**Fastenings.**—To Hold Beams 1 1/2 double donelled in the thick shelf with 11 pairs of iron

hanging knees 12 pairs of which are long iron riders bolted in the bilge planks,

through and clenched.

Deck Beams 1 1/2 done teak and donelled double in the thick shelf and waterway

with one iron hanging knee under every beam and bolted through and clenched

Number of Breasthooks 3 iron & 1 wood Pointers 2 iron Crutches iron bolts 1 1/2 copper

Butts End Bolts are of copper & metal in the Bottom, and a Bolt in each Butt End through and clenched.

Bilge and Limber Strakes copper bolted through and clenched. Treenails of None How Made —

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

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

Builder's Signature James Lecky

Surveyor's Signature William Lecky

6NS360-0086



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

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.		
N <sup>o</sup> .			Fathoms.	Inches.	N <sup>o</sup> .	Weight.
2	Fore Sails,	Chain .....	270	17 1/2	Bower, .....	3 { 26-2-0 26-1-6 20-2-0
1	Fore Top Sails,	Hempen Stream Cable .....	90	1		
2	Fore Topmast Stay Sails,	Hawser .....	90	5	Stream, .....	1 9-1-2
1	Main Sails,	Towlines .....	90	9		
2	Main Top Sails,	Warp .....	60	1 1/2	Kedge, .....	2 { 1-1-25 1-3-25
and	others Complete	All of _____ quality.				

Her Standing and Running Rigging Water Rope sufficient in size and Good in quality.

She has one Long Boat and two others

The present state of the Windlass is good Capstan 2 Rudder good Pumps 4

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	13 September	1860
	2nd.	When the Beams are put in, &c.	16 March	1861
	3rd.	{ When completed, and before the plank be painted or payed }	13 June	1861

Guill under roof and specially surveyed while building including the two stages by Mr. L. S. expressively surveyed, regularly called in accordance with the instructions 35.

The committee having sanctioned as compensation for omitting using the iron plates on frames required by the Rules Section 39, 12 pair of long iron riders under the Hold beams and other securities in substitution for the said plates, described the other side, in accordance to the sketch submitted by the Builder and forwarded here, for our guide on the 4<sup>th</sup> of January last. have been carried into effect to our satisfaction.

The materials used are of good quality of the size and description herein specified. The workmanship, including the caulking and darning, proved by pieces cut out of the bottom plank each side most efficient. Thoroughly fastened with yellow metal and copper bolts. "all the through bolts are of copper through and clenched" to the entire exclusion of sea nails including the heel of the Cap timbers, to the entire exclusion of iron the plate of the Dock is also fastened with yellow metal bolts, and is well equipped and well bound.

end. No. 1. The is sheathed with Copper up to within fifteen inches of the upper part of the Bands, over which is felt under the flat to the bilge, and other paper—  
Edward.

Quarto Deck 3 feet high and 48 feet long.

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

If Sheathed, ~~Doubled~~, Felted, or Coppered on the Sides When last done Now

I am of opinion this Vessel should be Classed A-15 years

The Amount of the Fee.....£ 5 : 0 : 0 is received by me, 1

Special £ 26: 11: 0

Send The Certificate ....£ 4. 5. 0

Committee's Minute 16<sup>th</sup> August 1861

*Character assigned*