

No. 1446 Survey held at Dartmouth Date 14 November 1859
on the Schooner Susan Bittery Master Mr Hendrick
Tonnage Old 246 Built at Dartmouth When built 1859 Launched 1859
By whom built W Kelly Owners Bittery & Co
Port belonging to Brixham Destined Voyage S. America
If Surveyed while Building, Afloat, or in Dry Dock Surveyed while building

Length aloft	Feet.		Inches.		Extreme Breadth Outside	Feet.		Inches.		Depth of Hold	Feet.		Inches.	
	Sided.	Moulded.	Sided.	Moulded.		Sided.	Moulded.	Sided.	Moulded.		Sided.	Moulded.	Sided.	Moulded.
100					21					12				
Thickness of Plank.														
Scantlings of Timber.					Outside.					Inside.				
TIMBER AND SPACE					Garboard Strakes					Limber Strakes				
Floors	19	2 1/4	20	8	Garboard to Bilge	2 1/2	2 1/2			Bilge Planks	4 1/2			
1st Foothooks	2 1/2	2 1/2	4	4	Bilge to Wales	4 1/2				Ceiling in Flat	2			
2nd Ditto	2 1/2	2 1/2	4 1/2	4	Wales	2 1/2				Ditto Bilge to Clamp	1			
3rd Ditto	2 1/2	2 1/2	4 1/2	4	Topsides	4	4			Hold Beam Clamps	3			
Top Timbers	2 1/2	2 1/2	4 1/2	4	Sheer Strakes	2 1/2	2 1/2			Deck Beam Ditto	3			
Deck Beams, length amidships	19	8	6 1/2	4 1/2	Plank Sheers	2 1/2	2 1/2			Ceiling 'twixt Decks	1			
Hold Beams, length amidships	10	14	12	10	Water - Upper Deck	4	4 1/2			Hold Beam Shelves	1			
Keel	10	14	12	10	Ways - Lower Deck	4 1/2				Deck Beam Ditto	1			
Scarp of Ditto	6	12	11	11	Ditto, faying surface against Timbers	2 1/2	2 1/2							
Keelsons	11	12	11	11	Upper Deck	2 1/2	2 1/2							
Scarp of Ditto	6	12	11	11										

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

Heel-Knee, and Deadwood abaft	Feet.		Inches.		Transoms and throats of Hooks	Feet.		Inches.		Hold Beam Bolts in	Feet.		Inches.	
	Iron.	Inches in Ship.	Iron.	Inches required per Rule.		Iron.	Inches in Ship.	Iron.	Inches required per Rule.		Iron.	Inches in Ship.	Iron.	Inches required per Rule.
Scarp of Keel	1 1/2	8	3/4	3/4	Arms of Hooks	1 1/2	4 1/2			Waterway	3/4	3/4		
Keelson Bolts through Keel at each Floor	1 1/2	4 1/2	3/4	3/4	Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	3/4	3/4			Shelf or Clamp	3/4	3/4		
Bolts through Heels of Timbers against Deadwood	3/4	1	3/4	3/4	Butt End Bolts	3/4	3/4			Waterway	3/4	3/4		
					Pintles of the Rudder	3/4	3/4			Shelf or Clamp	3/4	3/4		
										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 12 Inches. The Space between the Top-Timbers is 12 Inches.

The Floors consist of Oak The First Foothooks of Oak

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

The Shifts of the First and Second Foothooks are not less than 3 ft 6 in N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are good

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

frame is sound & good

The alternate Frames are all bolted together to the Gunwale. N. B. If not, state how bolted.

The Butts of the Timbers are close together; their thickness not less than 1/3 of the entire moulding at that place.

The Frame is well chocked with 2 Butt at each end of the chock. The Main piece of Rudder is Oak

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

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

Hawse Timbers of Oak Deadwood, of Oak & Greenheart and are free from all defects.

The Deck and Hold Beams consist of Oak The Breasthooks of Pine The Knees of Oak

Planking Outside.—From the Keel to the Height defined in Note to Table A the Plank is Oak

From the above named Height to the Light Water Mark Oak & Greenheart

From the Light Water Mark to the Wales Oak & Greenheart

The Wales and Black-strakes are Oak & Greenheart The Topsides Oak & Greenheart

The Sheer-strakes and Plank-sheers Oak The Water-ways Upper Deck Oak

The Decks Pine Lower Deck Oak

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 3 between, and without step-butting

Planking Inside.—The Limber-strakes and Bilge-strakes are Oak

The Ceiling, Lower Hold, and between Decks Oak & Greenheart Shelf Pieces and Clamps Oak & Greenheart

Fastenings.—To Hold Beams

Deck Beams Double Wood Laidging Timbers and two Iron Hanging

Number of Breasthooks 3 Iron Pointers Crutches 3 Iron

Butts End Bolts are of 3/4 in the Bottom, and 2 Bolt in each Butt End through and clenched.

Bilge and Limber Strakes are bolted through and clenched. Treenails of Oak How Made Shrove

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 Surveyor's Signature

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.
2	Fore Sails,	Chain	160 14 1/16	3	25. 2. 2.
1	Fore Top Sails,	Hempen Stream Cable	45 7 1/2		
1	Fore Topmast Stay Sails,	Hawser	45 6 1/2	1	2. 2. 2.
2	Main Sails,	Towlines	45 4		
1	Main Top Sails,	Warp		1	
and <i>the necessary sails</i>		All of <i>good</i> quality.			

Her Standing and Running Rigging _____ is sufficient in size and _____ in quality.

She has _____ Long Boat and _____

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

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	25 June 1859
	2nd.	When the Beams are put in, &c.	Sept. "
	3rd.	{ When completed, and before the plank be painted or payed }	Oct. "

This is a good built vessel. The frame is square and clear of warp. The outside & inside planking is also of the best quality & free from defects. All the materials are in accordance with the Rules for the 12 years class to which she is in my opinion fully entitled.

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

If Sheathed, Doubled, Felted, or Coppered *by me on paper* When last done _____

I am of opinion this Vessel should be Classed *12 A 1*

The Amount of the Fee.....£ 2 : _____ is received by me,

Special£ 4 : _____
Certificate£ 6 : 6 : _____

Committee's Minute *10th November 1859.*

Character assigned *12 A 1*

Please forward the certificate to Mr. Kelly



Deferred
Consent Surveyor
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