

No. 1446 Survey held at Dartmouth Date 14 November 1859
 on the Sch. Susan Bittery Master Mr Kendrick
 Tonnage Old 206 Built at Dartmouth When built 1859 Launched 1859
 By whom built W Kelly Owners Bittery & Co
 Port belonging to Brisham Destined Voyage S. St. Michaels
 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.	
	100					21					12			
Scantlings of Timber.														
TIMBER AND SPACE	19				20									
Floors	3 1/4	2 1/4			8	8								
1st Foothooks	4 1/2	4 1/2			4	4								
2nd Ditto	4 1/2	4 1/2			4 1/2	4								
3rd Ditto	5 1/2				5	4 3/4								
Top Timbers					5	4 3/4								
Deck Beams, length amidships	19 1/2	8	8	6 1/2	4 1/2	4 1/2	6							
Hold Beams, length amidships														
Keel	10	14			12	10								
Scarp of Ditto	60													
Keelsons	11	12			11	11								
Scarp of Ditto	60													

Thickness of Plank	INCHES.		Thickness of Plank	INCHES.	
	In Ship.	Required per Rule.		In Ship.	Required per Rule.
Garboard Strakes	2 1/2	2 1/2	Limber Strakes	3	3
Garboard to Bilge	"	"	Bilge Planks	4 1/2	"
Bilge Planks	4 1/2	"	Ceiling in Flat	2	2
Bilge to Wales	2 1/2	"	Ditto Bilge to Clamp	1	1
Wales	4	4	Hold Beam Clamps	5	5
Topsides	3	3	Deck Beam Ditto	3	3
Sheer Strakes	"	"	Ceiling 'twixt Decks	1	2
Plank Sheers	2 1/2	2 3/4	Hold Beam Shelves	5	5
Water - Upper Deck	4	4 1/2	Deck Beam Ditto	5	5
Ways - Lower Deck					
Ditto, faying surface against Timbers	4 1/2	"			
Upper Deck	2 1/2	2 1/2			

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

Fastenings	Copper		Iron	
	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.
Heel-Knee, and Deadwood abaft	1 1/2	1	1 1/2	1
Scarp of Keel	3/4	3/4	3/4	3/4
Keelson Bolts through Keel at each Floor	1 1/2	1 1/2	1 1/2	1 1/2
Bolts through Heels of Timbers against Deadwood	3/4	3/4	3/4	3/4
Transoms and throats of Hooks	1	1	1	1
Arms of Hooks	1/2	1/2	1/2	1/2
Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	3/4	3/4	3/4	3/4
Butt End Bolts	3/4	3/4	3/4	3/4
Pintles of the Rudder	3/4	3/4	3/4	3/4
Hold Beam Bolts in Waterway	3/4	3/4	3/4	3/4
Deck Beam Bolts in Waterway	3/4	3/4	3/4	3/4
Nails or Bolts in Flat of Deck	1 1/2	1 1/2	1 1/2	1 1/2
Treenails	1 1/2	1 1/2	1 1/2	1 1/2

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 3 1/2 Inches. The Space between the Top-Timbers is 3 1/2 Inches.
 The Floors consist of 3 Oak The First Foothooks of 3 Oak
 The Second Foothooks of 3 Oak The Third Foothooks and Top Timbers of 3 Oak
 The Shifts of the First and Second Foothooks are not less than 3 1/2 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 square & 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 3 Oak
 The Main Keelson is 3 Oak & Greenheart and — free from all defects. The Main piece of Windlass is 3 Oak
 The Stem, and Stern Post, consist of 3 Oak The Transoms, Aprons, Knight Heads, and Hawse Timbers of 3 Oak Deadwood, of 3 Oak & Greenheart and are — free from all defects.
 The Deck and Hold Beams consist of 3 Oak The Breasthooks of Iron The Knees of 3 Oak

Planking Outside.—From the Keel to the Height defined in Note to Table A, the Plank is 3 Oak
 or to the First Foothook Heads }
 From the above named Height to the Light Water Mark 3 Oak & Greenheart
 From the Light Water Mark to the Wales 3 Oak & Greenheart
 The Wales and Black-strakes are 3 Oak & Greenheart The Topsides 3 Oak & Greenheart
 The Sheer-strakes and Plank-sheers 3 Oak The Water-ways { Upper Deck 3 Oak
 Lower Deck —
 The Decks 3 Oak State of —
 The Shifts of the Planking are not less than 5 Feet — 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 3 Oak
 The Ceiling, Lower Hold, and between Decks 3 Oak & Greenheart Shelf Pieces and Clamps 3 Oak & Greenheart
Fastenings.—To Hold Beams —

Deck Beams Double Wood Laidging Timbers and two P. Iron Hanging
 Number of Breasthooks 3 Iron Pointers — Crutches 3 Iron
 Butts End Bolts are of 3/4 1/2 in the Bottom, and 2 Bolt in each Butt End through and clenched.
 Bilge and Limber Strakes — bolted through and clenched. Treenails of 3 Oak How Made Shutted
 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 _____

1410-598-71



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

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

She has _____ *One* Long Boat and _____ *one Solly Boat*

The present state of the Windlass is _____ *seven* Capstan _____ *one* Rudder _____ *one* Pumps _____ *two*

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

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

