

No. 2356 Survey held at Bristol Date 28<sup>th</sup> December 1860  
on the Barque "Constance" Master George Pearson  
Tonnage Old 350 82 100 Built at Bristol When built 1859 Launched November 1859  
By whom built Wm Patterson & sons Owners Henderson & Macfarlane  
Port belonging to London Destined Voyage Bristol to London, thence to New Zealand  
If Surveyed while Building, Afloat, or in Dry Dock while building

Length aloft			Extreme Breadth Outside			Depth of Hold		
145			24			15		
Feet.			Inches.			Feet.		
IN SHIP.			REQUIRED PER RULE.			IN SHIP.		
Sided.			Sided.			Sided.		
Middle.			Middle.			Middle.		
Ends.			Ends.			Ends.		
Scantlings of Timber.			Outside.			Thickness of Plank.		
TIMBER AND SPACE			Garboard Strakes ..			Limber Strakes ....		
Floors .. <u>single</u>	22	1	25	3	3	Bilge Planks .....	5	3
1 <sup>st</sup> Foothooks .....	10	11	11	11	3	Ceiling in Flat ....	5	3
2 <sup>nd</sup> Ditto .....	9	9	9	9	5	Ditto Bilge to Clamp	3	2
3 <sup>rd</sup> Ditto .....	8	8	8	8	4	Hold Beam Clamps..	3	2
Top Timbers .....	7	7	7	7	4	Deck Beam Ditto ..	4	2
Deck { N <sup>o</sup> 30 Average Space }	8	8	8	8	3	Ceiling 'twixt Decks	4	2
Beams { }	8	8	8	8	3	Hold Beam Shelves ..	13	12
Deck Beams, length amidships	22	4	10	10	3	Deck Beam Ditto ..	10	9
Hold { N <sup>o</sup> 16 Average Space }	10	10	10	10	3			
Beams { }	10	10	10	10	3			
Hold Beams, length amidships	21	9						
Keel .....	11	15	12	13				
Scarp of Ditto .....	7	7	5	4				
Keelsons .....	14	15	13	13				
Scarp of Ditto .....	9	9	6	2				

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

Heel-Knee, & Deadwood abaft			Transoms and throats of Hooks			Hold Beam { Waterway ..		
Scarp of Keel, N <sup>o</sup> 7			Arms of Hooks .....			Bolts in { Knees .....		
Keelson Bolts through Keel			Thro' Bilge & Limber Strakes			Shelf or Clamp		
at each Floor .....			Thickstuff over Double Floors			Deck Beam { Waterway ..		
Bolts thro' Heels of Timbers			Butt End Bolts .....			Bolts in { Knees .....		
against Deadwood .....			Pintles of the Rudder .....			Shelf or Clamp		
						Nails or Bolts in Flat of Deck		
						Treenails .... Inches		
	18	18		1	1		13	13
	2	2		1	1		8	8
	1	1		13	13		13	13
	1	1		13	13		13	13
	1	1		3	3		13	13
	8	8		3	3		13	13

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks is 1 1/2 Inches. The Space between the Top-Timbers is 3 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 3 f 8 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 generally squared squared from the First Foothook Heads upwards, and free free from sap, and from thence downwards, the

frame is generally squared

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

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

The Frame is chocked chocked with a Butt at each end of the chock. The Main piece of Rudder is English Oak Windlass is English Oak

The Keel is English Oak The Main Keelson is Pitch Pine and free free from all defects.

The Stem, and Stern Post of English Oak The Transoms, Knight Heads, Hawse Timbers,

and Aprons of English Oak Deadwood, of English Oak and are free free from all defects.

The Deck and Hold Beams of English Oak 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 English Oak

From the above named Height to the Light Water Mark Pitch Pine

From the Light Water Mark to the Wales Pitch Pine

The Wales and Black-strakes are Pitch Pine The Topsides & Sheer-strakes Pitch Pine

The Spirketting and Plank-sheers Pitch Pine The Water-ways { Upper Deck Pitch Pine

The Decks Yellow Pine Lower Deck Pitch Pine

State of good

The Shifts of the Planking are not less than 6 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 Pitch Pine

The Ceiling, Lower Hold, and between Decks Pitch Pine Shelf Pieces and Clamps Pitch Pine

**Fastenings.**—To Hold Beams one pair of Hanging Nails to each Beam, and bolting

nails in mast spaces

Deck Beams one pair of Hanging Nails to each Beam and bolting

nails in mast spaces

Number of Breasthooks four Pointers two Crutches two

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

Bilge and Limber Strakes Yellow Metal bolted through and clenched. Treenails of English Oak How Made Turned

Thickstuff over Double Floors bolted 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 W Patterson Surveyor's Signature Thomas

BR580-224



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.
<u>two</u>	Fore Sails,	Chain .....	240 1 3/8	Bower, .....	3 20 Cwt each
<u>complete</u>	Fore Top Sails,	<u>stream chain</u>	90 3/4		
	Fore Topmast Stay Sails,	Hempen Stream Cable .....	90 7	Stream, .....	1 7 Cwt
<u>Sails</u>	Main Sails,	Hawser .....	90 6		
	Main Top Sails,	Towlines .....	90 5	Kedge, .....	1 3 Cwt
and		Warp .....			
		All of <u>good</u> quality.			

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

She has one Long Boat and two others

The present state of the Windlass is good Capstan Which Rudder good Pumps two Cast Metal

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>Specially Surveyed</u>
	2nd. When the Beams are put in, &c.	
	3rd. { When completed, and before the plank be painted or payed }	

This vessel was built under the Special Survey of the late Mr Wood, and was seen by Mr Martin in November 1858, and the recommendations made at that period have been complied with.

She has 12 pairs of diagonal plates 20x7 1/2 fitted on and bolted to the inside of frames, and extending from the deck Beam clamp downwards to Floors. The scantling of frames, thickness of inside and outside planking and size of fastenings are generally equal to the Rules. Yellow Metal wrought over felt from keel to middle of wales. Workmanship and materials good. Ground tackle complete. Testing certificate of chain cable produced.

The scantling of the vessel throughout being generally equal to the Rules and Test 46 having been complied with to the entire exclusion of Iron bolts. I would respectfully submit her to the consideration of the Committee for the 10 A1 grade

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

~~Is Sheathed, Doubled, Felted, or Coppered~~ Yellow Metalled When last done November 1859

I am of opinion this Vessel should be Classed 10 A1

The Amount of the Fee.....£ 4 : : is received by me,

Special .....£ 17 : 11 :

Certificate .....£ required

Committee's Minute 3<sup>rd</sup> January 1860

Character assigned 10 A1



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