

No. 1702 Survey held at Aberdeen, Date Last Survey Sept^r 20th 1857
 on the Ship Robt Henderson, Master Mr John Cubitt
 Tonnage Old 611 Built at Aberdeen When built 1857 Launched 1857
 New 532 By whom built Wm & Duthie Owners Patrick Henderson
 Part belonging to Glasgow Destined Voyage New Zealand
 If Surveyed while Building, Afloat, or in Dry Dock While Building

Length aloft	Feet.		Extreme Breadth Outside						Feet.		Depth of Hold	
	Inches.		Sided.	Moulded.	Sided.	Moulded.	Sided.	Moulded.	Inches.		Feet.	Inches.
150			31	13	13	12 1/2	12 1/2	12 1/2	20	4	17	6

Scantlings of Timber.	Feet.		Inches.		Outside.	INCHES.		Inside.	INCHES.	
	In Ship.	Required per Rule.	In Ship.	Required per Rule.		In Ship.	Required per Rule.			
TIMBER AND SPACE					Garboard Strakes ..	0	4	Limber Strakes	4 1/2	4 1/4
Floors .. <u>double</u>	12.13	13	13	12 1/2	Garboard to Bilge ..	4	4	Bilge Planks	5	4 1/4
1 st Foothooks	11.12	11 1/2	11 1/2	11 1/2	Bilge Planks	5	4	Ceiling in Flat	4 1/2	4 1/4
2 nd Ditto	10.11	10 1/2	10 1/2	10 1/2	Bilge to Wales	5	4	Ditto Bilge to Clamp	3 1/2	3
3 rd Ditto					Wales	5	5	Hold Beam Clamps..	4	4
Top Timbers	9.9 1/2	9 1/4	9 1/4	9 1/4	Topsides	4.4 1/2	4	Deck Beam Ditto ..	3 1/2	3
Deck Beams } N ^o <u>29</u> Average } <u>4 feet 4</u> Space }	9.10	9 1/2	9 1/2	8 3/4	Sheer Strakes	4	4	Ceiling 'twixt Decks	2 1/2	2 1/2
Deck Beams, length amidships <u>2.6</u>					Plank Sheers	4	4	Hold Beam Shelves ..	3	3
Hold Beams } N ^o <u>19</u> Average } <u>6 feet</u> Space }	12	12	12	12	Water- } Upper Deck	12		Deck Beam Ditto ..	7	7
Hold Beams, length amidships. <u>2.6</u>					Ways } Lower Deck					
Keel	14 1/2	15	15	14 1/2	Ditto, faying surface	0	0			
Scarphs of Ditto	75			72	Upper Deck	3 3/4	3 1/2			
Keelsons	16	16	12 1/2	15 1/2						
Scarphs of Ditto	70			72						

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

	Copper	Inches		Copper	Inches		Copper	Inches
Heel-Knee, and Deadwood abaft	1 1/2	1 1/2	Transoms and throats of Hooks ..	1 1/2	1 1/2	Hold Beam Bolts in		
Scarphs of Keel	1	1	Arms of Hooks	1	1	Waterway ..		
Keelson Bolts through Keel at	1 1/2	1 1/2	Bolts thro' Bilge & Limber Strakes,	7/8	7/8	Knees	1	1
each Floor			or Thickstuff over Double Floors }			Shelf or Clamp	1	1
Bolts through Heels of Timbers	3/4		Butt End Bolts	3/4	3/4	Waterway ..	1	7/8
against Deadwood			Pintles of the Rudder	3/4	3	Knees	7/8	7/8
						Shelf or Clamp	7/8	7/8
						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 3x4 Inches. The Space between the Top-Timbers is 5x7 Inches.

The Floors consist of Baltic Oak. The First Foothooks of Baltic Oak.
 The Second Foothooks of British Oak. The Third Foothooks and Top Timbers of British Oak.
 The Shifts of the First and Second Foothooks are not less than 4 feet. N. B. When less than prescribed by the Rule, state how many.
 The rest of the Shifts of the Frame are the same.
 The Frame is well squared from the First Foothook Heads upwards, and well free from sap, and from thence downwards, the frame is square.

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 1/3 of the entire moulding at that place.
 The Frame is well chocked with or Butt at each end of the chock. The Main piece of Rudder is Bk Oak.

The Main Keelson is Am^r Oak and is free from all defects. The Main piece of Windlass is Bk Oak.

The Stem, and Stern Post, consist of British Oak. The Transoms, Aprons, Knight Heads, and Hawse Timbers of British Oak. Deadwood, of Bk Oak & Am^r Oak are well free from all defects.

The Deck and Hold Beams consist of Bk 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 Am^r Oak & Elm,
 or to the First Foothook Heads }

From the above named Height to the Light Water Mark Consists of Am^r & Baltic Oak,
 From the Light Water Mark to the Wales Consists of Am^r & Baltic Oak,

The Wales and Black-strakes are Baltic Oak. The Topsides Baltic Oak.

The Sheer-strakes and Plank-sheers Baltic Oak. The Water-ways { Upper Deck White pine
 Lower Deck none.

The Decks Consists of yellow pine. State of Material Good.

The Shifts of the Planking are not less than five 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 stove between, and without step-butting.

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

The Ceiling, Lower Hold, and between Decks Bk Oak & White pine. Shelf Pieces and Clamps Bk & Am^r Oak.

Fastenings.—To Hold Beams Consists of Iron staple securing knees to each beam, & 11 pair of Iron knee riders extending across to the top floor beams, well bolted & clenched.

Deck Beams are secured with Iron staple securing knees to each beam, 4 pair of staple standards & 10 pair of Iron hanging wires

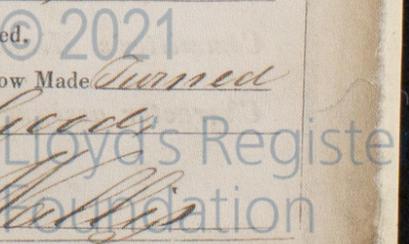
Number of Breasthooks four. Pointers none required. Crutches four.

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

Bilge and Limber Strakes all bolted through and clenched. Treenails of Bk & Bk Oak How Made turned
 Thickstuff over Double Floors all 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 _____

ABN4-0033



1782 abn

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

N ^o .	She has SAILS.	CABLES, &c.	Fathoms.		INCHES.	ANCHORS, and their weights.	
						N ^o .	Weight, lb.
2 Shifts Complete 1/2	Fore Sails,	Chain	270	1 9/16		Bower, <u>Castorians</u>	3 20, 0, 23
	Fore Top Sails,	Hempen Stream Cable	70	3/4		<u>Patent</u>	20, 3, 3
	Fore Topmast Stay Sails,	Hawser	90	7		Stream,	1 7, 0, 20
	Main Sails,	Towlines	90	9		Kedge,	2 4, 0, 23
	Main Top Sails,	Warp	90	5 1/2			4, 1, 2
	and <u>all new,</u>	All of <u>Good</u> quality.					

Her Standing and Running Rigging all new sufficient in size and Good in quality.

She has One Long Boat and Three others,

The present state of the Windlass is Good Capstan Good Rudder Good Pumps 2 Good,

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 }
	<u>December 27th 1856</u>	<u>March, 28th / 57</u>	<u>August 15th / 57</u>

This Vessel has been built under special survey the material she is composed of is sound & good for the eight years grace, Her fastenings consists of Greenish & yellow metal to the entire exclusion of Iron bolts or nails, agreeable to rule Sect 4^b, for an occasional year, She is built with a round stern, full poop & fore-castle, the united lengths not exceeding three fifths of the entire length of the upper deck, Fore-castle sheers strikes 2 1/2 Baltic Oak, other planking 2 to 2 1/2 Baltic Oak, Clamps 2 1/2 Baltic Oak, Beams of Baltic Oak, Deck 2 to 2 1/2 moulded 7/8 secured with Iron lagging knees, one pair of staple standards & one pair of hanging knees, well bolted, waterways & plank sheers 3 in Baltic Oak, Deck 2 1/2 yellow pine, Hoop birthing inside & out 2 1/2 Baltic Oak, Clamps 2 1/2 Baltic Oak, Beams, 9 of Baltic Oak sided & moulded 7/8 to 7/8 3/4 secured with 4 pair of Iron hanging knees & one pair staple standards all well bolted & clenched, plank sheers & waterways 3 in Baltic Oak, Deck 2 1/2 yellow pine, a pair of sister beams fitted of 1 1/2 in Oak length 80 feet sided 9/8 & moulded 10/8, also a long keelson of 3 in Oak all well bolted, The Elm cleat-wood does not extend above the height of two feet from the rabbet of the keel, The bilge & the ch strokes down to the lower end of the short floor head chocks are through bolted & clenched agreeable to rule Sect 39 & 4^b, The vessel is well fitted for her destined voyage & is to be sheathed with yellow metal on her arrival at Glasgow, The whole of her standing rigging consists of wire rope, well fitted.

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

If Sheathed, Doubled, Felted, or Coppered None at present. When last done _____

I am of opinion this Vessel should be Classed G, A, 1,

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

Oct 57

Special£ 27 : 12 : -

Certificate£ - : - : -

Wm. Wallis

Committee's Minute 9th October 1857

Character assigned A 1 for 9 years



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