

No. 2148 Survey held at Liron Date 24th November 1846
on the new Schooner "Catherine" Master Robert Paton
Tonnage 105 old 78 new Built at Liron When built 24th November 1846
By whom built Thomson & Lock & Co Owners James Miller
Port belonging to Ayr Destined Voyage Liron to Newport
If Surveyed Afloat or in Dry Dock On Stocks

Length aloft	67 ³ / ₁₀	Breadth Amidships	18 ³ / ₁₀	Depth of Hold	10
Scantlings of Timber.			Thickness of Plank.		
Timber and Space	each 20	Inches Middle	Inches Ends	Outside.	Inside.
Floors	sided 8	Moulded 9		Keel to Bilge	Foot Waling
1 st Foothooks	" 7 1/2	" 7 1/2		Bilge Planks	Bilge Planks
2 nd Ditto	" 7	" 6 1/2		Bilge to Wales	Ceiling in Flat
3 rd Ditto	" 6 1/2	" 5 1/2	4 1/2	Wales	Ditto Bilge to Clamp
Top Timbers	" 8	" 8 1/2	5	Topsides	Hold Beam Clamps
Deck Beams	N ^o . of 15	" 8 1/2	5	Sheer Strakes	Deck Beam Ditto
Hold Beams	N ^o . of	"		Plank Sheers	Ceiling 'twixt Decks
Keel	" 9	" 11 1/2		Water-Ways	Hold Beam Shelves
Kelsons	" 10	" 15 1/2		Upper Deck	Deck Beam Ditto

Copper.		Size of Bolts in Fastenings.		Iron.	
Heel-Knee, and Dead Wood abaft	1 1/2 x 7/8	Bolts thro' the Bilge and Foot Waling	5/8	Hold Beam	
Scarphs of Keel	N ^o . Eight 3/4	Butt End Bolts	5/8	Deck Beam	1/2 x 3/4
Floor Timber Bolts	1/2	Lower Pintle of the Rudder	2 1/2		
Kelson ditto	1/2				
Transoms and throats of Hooks	1/2 x 1				
Arms of Hooks	1/2 x 1/2				

Timbering.—The Space between the Floor Timbers and Lower Foothooks in this Vessel is 4 to 5 Inches. The Space between the Top-timbers is 2 1/2 to 5 Inches. The Stem, Stern Post, are composed of British Oak the Transoms, Aprons,

Knight Heads, Hawse Timbers, of British Oak and are — free from all defects.
The Floors and first Foothooks are composed of British Oak Timber.

The other Foothooks and Top Timbers of British Oak

The Shifts of the first and second Foothooks are not less than 3 1/2 to 3 3/4 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 all well squared

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

The Butts of the Timbers are — close together; their thickness not less than 1/4 to 1/2 of the entire moulding at that place.

The Frame is well chocked with no Butt at each end of the chock.

The Main Kelson is composed of Elm and the False Kelson of American Oak

The Scarphs of the Kelsons are not less than — feet — inches. Kelson and Rider in one length.

The Deck and Hold Beams are composed of American White Oak

Planking Outside.—From the Keel to the first Foothook Heads the Plank is composed of Elm

From the first Foothook Heads to the Light Water Mark of Elm

From the Light Water Mark to the Wales of Red & Pitch Pine

The Wales and Black-strakes are of American White Oak

The Topsides of American White Oak

The Sheer-strakes and Plank-sheers of American White Oak

The Water-ways of Red Pine

The Decks of Yellow Pine

State of New

The Shifts of the Planking are not less than 5 1/2 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 Three between

the Bilge Planks of Elm

Planking Inside.—The Limber-strakes are composed of Elm

The Ceiling, Lower Hold, of Elm Red & Pitch Pine Between Decks of —

Shelf Pieces of American Oak Clamps of Pitch Pine

Fastenings.—To Hold Beams

Deck Beams Double lodging iron knees and stringer

Number of Breasthooks Below & one above deck Pointers — Crutches —

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

Bilge and Footwaling Copper bolted through and clenched.

General Quality of Workmanship Good Two transom knees.

We certify that the preceding is a correct description of the above-named Vessel,

Builder's Name

Surveyor's Name

John R. Cumming

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

She has SAILS.			CABLES, &c.		ANCHORS, and their weights.	
N ^o .		Fathoms.		Inches.	N ^o .	
	Fore Sails,	180	Chain	7 1/4	2	Bower, ^{Cast 20 lbs} 6 " 3 " 6
	Fore Top Sails,	75	Hempen Stream Cable	5 1/4	1	Stream, 2 " 2 " 23
	Fore Topmast Stay Sails,	80	Hawser	4	1	Kedge, 1 " 2 " 4
	Main Sails,	80	Towlines	3 1/2		
	Main Top Sails,	45	Warp <u>Stream Chain</u>	3 1/2		
	<u>a complete suit of new sails</u> <u>and with spare topmast stay sail.</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 _____

The present state of the Windlass is Good ~~Capstan~~ Double Wick and Rudder Good Good Two cast metal pumps new.

General Remarks—Statement and Date of Repairs.

Laid on in April and launched 24th November 1846. The frame is composed of English and Scotch oak, with the exception of the floors, one of which is Rock Elm, none of which Birch amidships; the other floors, and entire frame, of English and Scotch oak; good quality and well squared. Shifts of timbers good, cross chocker, and full buttet. Planking and ceiling of good quality, long lengths, and good shifts. On my first visit to this vessel, the outside plank, and part of the ceiling was wrought, and the beams being put in their places. A strip of ceiling was cut out above the Bilge on each side, and the scantling and material ascertained where not otherwise seen. Number of beams and fastenings, described. The workmanship is good. She is well fastened and finished, and her stores and furnishings are complete and of a good description.

Deck Beam Spaces. Work to first Beam, 1 foot. + 3 ft. 8 in. + 4 feet. + 3 ft. 10 in. + 3 ft. 11 in. + 4 feet + 8 ft. 10 in. Main hatch + 4 feet. + 4 feet. + 4 feet. + 3 ft. 6 in. + 3 ft. 10 in. + 3 feet. + 2 ft. 7 in. + 3 feet. + 2 ft. 3 in. to deck transom.

Yellow metalled over paper, to six feet forward, and seven feet aft.

If Sheathed, Doubled, Felted, or Coppered being about ballast marks When last done _____

I am of opinion this Vessel should be Classed "SA1"

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

Special£ 2 : 2 : ..

Committee's Minute 4th Dec 1846

Character assigned 1 for 5 years



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