

No. 816 Survey held at Southway Bay St. John N.B. Date January 18 65
223 on the New Ship "Topsy" Master Leonard
Tonnage under tonnage deck 813 - 48 Built at St. John N.B. When built 1865 Launched 14 January 1865
Ditto of poop 51.7 or spar deck 18.23 By whom built Nevins & Fraser Owners Nevins & Fraser
Total tonnage 885.55 Port belonging to Liverpool Destined Voyage Liverpool
If Surveyed while Building, Afloat, or in Dry Dock While building

Length as per section 39 ..	Feet. 160	Inches. 6	Extreme Breadth Outside	Feet. 33	Inches. 9	Depth of Hold	Feet. 22	Inches. 8	Number of Decks 2		
Length of Keel	152		IN SHIP. Moulded.			(Depth from limber-strakes to under side of lower deck beam	13, 6 1/2				
Scantlings of Timber.											
TIMBER AND SPACE	28 1/2		Middle. Ends.	51 3/4		Outside Plank.					
Floors..... Double	13 1/2	13 1/2	12 1/2	12 3/4	12 3/4	Garboard Strakes ..	5 1/2 - 5	4 3/4	Dimensions of Ship per Register, length 163.4 breadth 33.8 depth 22.7		
1st Foothooks	12 1/2	12 1/2	11 1/2	12 3/4	12 3/4	Garboard to Bilge ..	4 1/2	4 1/4			
2nd Ditto	12 1/2	11 1/2	11	11 1/4	10 1/4	Bilge Planks	4 1/2	4 1/4	Inside Plank.		
3rd Ditto	11 1/2	11	9 3/4	10 1/4	9 1/2	Bilge to Wales	4 1/2	4 1/4			
Top Timbers	11 1/2	9 3/4	7	9 1/2	8 1/2	Wales	5 1/2	5 1/2	Limber Strakes ...	10 x 10	4 3/4
Deck } N° 26 Average } Beams } Space } 4 feet 8	11 1/2	9 1/2	8 1/4	9 1/4	8 1/4	Topsides	4 1/2	4 1/4	Bilge Planks	6 1/2 to 8	4 3/4
Deck Beams, length amidships	32 feet					Sheer Strakes	4 1/2	4 1/4	Ceiling in Flat	5 - 6 1/2	3 1/2
Hold } N° 24 Average } Beams } Space } 4 feet 6	11 1/2	9 1/2	8 1/4	9 1/4	8 1/4	Plank Sheers	4 1/2	4 1/4	Ditto Bilge to Clamp	4 1/2	3 1/2
Hold Beams, length amidships	32 feet					Water - { Upper Deck { 5 1/2 x 20	5 1/2	4	Hold Beam Clamps ..	7 to 5	4 1/4
Keel	15 1/2	15 1/2		14 1/4	14 3/4	Ways { Lower Deck { 11 1/2 x 12 1/2	11 1/2	8 1/4 x 9 3/4	Deck Beam Ditto ..	6 - 5	3 1/2
Scarp of Ditto	6 feet 4			6 feet 3		Ditto, faying surface	8 1/2 x 8	11 1/2 x 13 1/2	Ceiling 'twixt Decks	4 1/2	3 3/4
Keelsons	7			15 1/4	15 1/4	against Timbers ..	14 1/2	8 1/2	Hold Beam Shelves ..	12 x 14	13 x 1 1/2
Scarp of Ditto	6 x 22 feet			6 feet 3		Upper Deck	3 1/2	3 1/2	Deck Beam Ditto ..	8 1/2 x 12	8 1/4 x 9 3/4

Size of Bolts in Fastenings, distinguishing whether Copper, Yellow Metal, or Iron; also of Treenails.									
Heel-Knee, & Deadwood abaft	Copper or Y.M. in Ship.	Iron in Ship.	Inches required per Rule	Transoms and throats of Hooks	Copper or Y.M. in Ship.	Iron in Ship.	Inches required per Rule	Hold Beam	Waterway ..
Scarp of Keel, N° 8	1 1/4	1 1/4	1 1/16	Arms of Hooks	1 1/4	1 1/4	1 1/16	Bolts in	Knees
Keelson Bolts through Keel	1 1/4	1 1/4	1 1/16	Thro' Bilge & Limber Strakes	1 1/8	1 1/8	1 1/16		Shelf or Clamp
at each Floor	1 1/8	1 1/8	1 1/16	Thickstuff over Double Floors	1	1	15/16	Deck Beam	Waterway ..
Bolts thro' Heels of Timbers	1 1/8	1 1/8	1 1/16	Butt End Bolts	7/8	7/8	15/16	Bolts in	Knees
against Deadwood	1 1/8	1	1	Pintles of the Rudder	3/4	3/4	3/4		Shelf or Clamp
								Nails or Bolts in Flat of Deck	Iron nails
								Treenails	Inches
									1 1/8

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 1/2 Inches. The Space between the Top-Timbers is 3 Inches.
The Floors consist of 75 feet Birch and Amidships Samarae The First Foothooks of Samarae
The Second Foothooks of Samarae The Third Foothooks and Top Timbers of Samarae
The Shifts of the First and Second Foothooks are not less than 4 to 4 feet 5 N. B. When less than prescribed by the Rule, state how many.
The rest of the Shifts of the Frame are 4 feet 8 to 5 feet 5
The Frame is fairly squared from First Foothook Heads upwards, and generally free from sap, and from thence downwards, the frame is fairly squared
The frames are bolts 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 cross & chocked with a Butt at each end of the chock. The Main piece of Rudder is half of Windlass is half
The Keel is Birch The Main Keelson is Samarae & half and free from all defects.
The Stem, and Stern Post of half The Transoms, Knight Heads, Hawse Timbers, and Aprons of Samarae Deadwood, of Birch 15 in height and Samarae and are free from all defects.

The Deck and Hold Beams of Samarae and half The Breasthooks of Samarae The Knees of Samarae, & iron
Planking Outside.—From the Keel to the Height defined in Note to Table A, the Plank is Birch, Samarae, & Red Pine.
From the above named Height to the Light Water Mark Birch, Samarae, Red Pine, and Pitch Pine.
From the Light Water Mark to the Wales Samarae and Red Pine.
The Wales and Black-strakes are Samarae and Red Pine. The Topsides & Sheer-strakes Samarae and Red Pine.
The Spiketting and Plank-sheers Red Pine and Samarae. The Water-ways { Upper Deck half Samarae, & Red Pine.
Lower Deck Samarae.
The Decks Upper Yellow Pine State of Good Order.
The Shifts of the Planking are not less than 6 Feet 0 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 like strakes between, and without step-butting.

Planking Inside.—The Limber-strakes and Bilge-strakes are Samarae and Red Pine.
The Ceiling, Lower Hold, and between Decks Samarae & Red Pine Shelf Pieces and Clamps Samarae.
Fastenings.—To Hold Beams Lodging Pins of Samarae sized 8 and 20 pairs of iron hanging pins and iron pins or pointers.
Deck Beams Lodging Pins of Samarae sized 7 and 26 pairs of iron hanging pins.
Number of Breasthooks none Pointers iron Crutches eight
Butt End Bolts are of iron in the Bottom. iron Bolts in each Butt End one of which is through and clenched.
Bilge and Limber Strakes iron iron bolts through and clenched. Treenails of Samarae, iron how made iron plained.
Thickstuff over Double Floors iron bolts 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 Nevins & Fraser Surveyor's Signature Saml. Laphorn

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 .			Messy No. 1 and Handown Board	Fathoms.	Inches.	Messy No. 1 and Handown Board	N ^o .	Weight.
<u>One set of Sails.</u>	Fore Sails,		Chain (Testing Department)			Chain (Testing Department)		
	Fore Top Sails,		Chain 25 April 1864	90	1 3/4	Chain 25 April 1864	1	32.0-8
	Fore Topmast Stay Sails,		Chain 25 April 1864	90	1 3/4	Chain 25 April 1864	1	29.1-12
	Main Sails,		Chain 25 April 1864	90	1 3/4	Chain 25 April 1864	1	25.1-11
	Main Top Sails,		Chain 25 April 1864	90	1 3/4	Chain 25 April 1864	1	25.1-11
and			Hawser	90	8			
			Towlines	90	6			
			Warp					
			All of <u>good</u> quality.					

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

She has One Mast Long Boat and 2 Pinnaces

The present state of the Windlass is good Capstan good Rudder good Pumps one of four

General Remarks and Statement and Date of Repairs, if any.

Order for Special Survey,

No. 287 Date 20 June 1864

Order for Ordinary Survey,

No. Date

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 }

The frame of this vessel is put together with double floors. On the outside of frame are fourteen pairs of Diagonal Iron Plates $4\frac{1}{2} \times \frac{3}{4}$ thick fitted and bolted as required by the Regulations. and being Iron Plates are considered Consider for eligible to cargo as recommended.

Number and Size of Iron Plates and Bolts.		
Number of Pairs	26	24
Breadth of do	4	$4\frac{1}{2}$
Thickness of do @ angle of Strake	$4\frac{1}{2}$	5
do " do " Strake Bolt	$2\frac{1}{2}$	$\frac{3}{4}$
do " " " Joints of timbers	-	$\frac{5}{4}$
do " " " Ends or toes	$1\frac{3}{8}$	$1\frac{1}{4}$
Length of beam arm	3.9	3.10
do of side arm to Upper Deck	5.9	7.10
Side arm of Pinnas extends upon floors and to within 4 feet 10 of side of Pinnas and are bolted with $\frac{1}{8}$ " S M and $\frac{1}{8}$ " 1/4 Iron about every 19" and 20" apart.		
Number of bolts in beam arm	4	4
do " do in side do	6	13
Size of bolts in arm	$1\frac{1}{8}$	$\frac{1}{8}$ 1/4

Present condition of Caulking of Bottom,

tested by cutting out pieces

If Sheathed, Doubled, Felted, or Coppered

Deck,

and Waterways

When last done

I am of opinion this Vessel should be Classed

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

Special£ 44 : 3 : 0

Certificate£ : :

Committee's Minute 14th March 1865

Character assigned

A - for 7 years

Saml. Lloyd's Register
Foundation