

IRON SHIPS.

Rev 24/7/71

No. 5984 Survey held at Brunswick Date, First Survey 20th March Last Survey 20th July 1871

On the Iron Bark "Lake Simcoe" Master Stewart

Tonnage under Tonnage Deck } <u>330.86</u>	ONE, OR TWO DECKED, SPAR, OR AWNING-DECKED VESSELS.	THREE DECKED VESSELS.	Built at <u>Brunswick</u>
Ditto of Third Spar, or Awning Deck. } <u>13.24</u>	Half moulded breadth <u>12.1</u>	Half Moulded Breadth	When built <u>1871</u> Launched <u>4th July 1871</u>
Ditto of <u>Keel, or Raised Or. Dk.</u> } <u>15.9</u>	Depth from upper part of Keel to top of Upper Deck Beams	Total Depth if three or more Decks	By whom built <u>Robert Steele & Co.</u>
Ditto of Houses on Deck	Girth of Half Midship Frame (as per Rule) <u>23.9</u>	Total Girth of Half Midship Frame	Owners <u>A. Ramsay</u>
Ditto of Forecastle	1st Number <u>51.9</u>	3rd Number	Port belonging to <u>Glasgow</u>
Gross Tonnage <u>350.10</u>	Length <u>144</u>	Length	Destined Voyage <u>to</u> <u>Marseilles</u>
Crew Space, as per Rule } <u>15.99</u>	2nd Number <u>747.3.6</u>	4th Number	If Surveyed while Building, Afloat, or in Dry Dock. <u>While Building and Afloat</u>
Register Tonnage, cut on Beam <u>334.11</u>	Depths to Length. <u>under 10</u>	Breadths to Length <u>under 6</u>	

Length on deck as per Rule, 145 Feet. Inches. Moulded Breadth, 24.2 Feet. Inches. Depths from top of Floors to Upper and Main Deck Beams, as per Rule 14 Feet. Inches. 6 1/2 Power of Engines, — Horse. No. of Decks with flat laid one No. of Tiers of Beams two

Dimensions of Ship per Register, length, 152.2 breadth, 24.1 depth, 14.3

	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.		Inches in Ship.	Inches required per Rule.
Keel, if bar iron, depth and thickness	<u>6 1/2 x 2</u>	<u>7 1/2 x 2 1/2</u>					Flat Keel Plates, breadth and thickness		
Do. if centre through plate, depth and thickness							Plates in Garboard Strakes, breadth and thickness	<u>30</u>	<u>30</u>
Stem, if bar iron, moulding and thickness	<u>6 1/2 x 2</u>	<u>6 1/2 x 1 1/2</u>					Do. from Garboard to upper part of Bilges	<u>30</u>	<u>30</u>
Stern-post for Rudder do. do.	<u>6 1/2 x 2</u>	<u>6 1/2 x 1 1/2</u>					Do. of doubling at Bilge, or increased thickness, and length applied		
Stern-post for Propeller							Do. fin up. part of Bilge to Ir. edge of Sh'rstrake	<u>30</u>	<u>30</u>
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>21</u>	(Class <u>100 A</u>)					Do. Main Sheerstrake, breadth and thickness	<u>30</u>	<u>30</u>
Frames, size of Angle Iron, for 1/2 length amidships	<u>3</u>	<u>2 1/2</u>	<u>3</u>	<u>2 1/2</u>	<u>3</u>	<u>2 1/2</u>	Do. of d'bling at Sh'rstrake, & length applied		
Do. for 1/4 at each end	<u>3</u>	<u>2 1/2</u>	<u>3</u>	<u>2 1/2</u>	<u>3</u>	<u>2 1/2</u>	Do. from Mn. to Upr. or Spar Dk. Sh'rstrake		
Reversed Frames, size of Angle Iron	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	Do. Up. or Spar Dk Sh'rstrake, brth & thckns		
Floors, depth and thickness of Floor Plate at mid line for half the length amidships	<u>16 1/2</u>	<u>16</u>					Butt Straps to outside plating, breadth & thickness	<u>9 1/2 x 8</u>	<u>9 1/2 x 7</u>
Do. at the ends	<u>3</u>	<u>3</u>					Lengths of Plating	<u>10 feet 6 inches</u>	<u>10 feet 6 inches</u>
Do. do. do. at Bilge Keelson	<u>7</u>	<u>7</u>					Shifts of Plating, and Stringers	<u>Two frames</u>	<u>Two frames</u>
Do. height extended at the Bilges	<u>4 feet</u>	<u>32 inches</u>					Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness	<u>21</u>	<u>20 1/2</u>
Beams, Upper, Spar, or Awning Deck (No.) single or double Angle Iron, Plate or Tee Bulb Iron	<u>6</u>	<u>6</u>					Angle Iron on ditto	<u>3 1/2 x 3 x 3/8</u>	<u>3 1/2 x 3 x 3/8</u>
Single or double Angle Iron on Upper edge	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	Tie Plates (fore and aft), outside Hatchways	<u>7</u>	<u>7</u>
Average space	<u>42 inches</u>	<u>44 inches</u>					Diagonal Tie Plates on Beams (No. of Pairs,)	<u>7</u>	<u>7</u>
Beams, Main or Middle Deck (No.) single or double Angle Iron, Plate or Tee Bulb Iron	<u>6</u>	<u>6</u>					Planksheer material and scantling		
Single or double Angle Iron, on Upper Edge	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>2 1/2</u>	Waterways do. do. <u>Iron</u>		
Average space	<u>84 inches</u>	<u>88 inches</u>					Flat of Upper Deck do. do. <u>Yellow Pine</u>	<u>3 1/2</u>	<u>3 1/2</u>
Beams, Lower Deck, Hold or Orlop (No.) single or d'ble Ang. Iron, Plate or Tee Bulb Iron							How fastened to Beams <u>By nuts and screw bolts</u>		
Single or double Angle Iron on Upper Edge							Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness		
Average space							(Is the Stringer Plate attached to the outside plating?)		
Keelson Centre line, single or double plate, box, or Intercostal, size of Plates	<u>11</u>	<u>10 1/2</u>					Angle Irons on ditto (No.)		
Do. Bulb Plate to Intercostal Keelson							Tie Plates, outside Hatchways		
Do. Size of Angle Irons	<u>3 1/2</u>	<u>3</u>	<u>3 1/2</u>	<u>3</u>	<u>3 1/2</u>	<u>3</u>	Diagonal Tie Plates on Beams (No. of pairs,)		
Do. Side Intercostal Keelson, size of Plates	<u>Mach. plated</u>						Waterways materials and scantlings		
Do. Angle Irons on tops of Floors							Flat of Middle Deck do. do.		
Do. Bilge Keelson, Bulb Iron							How fastened to Beams		
Do. do. Intercostal plates riveted to plating for length							Stringer Plates on ends of Lower Deck, Hold or Orlop Beams	<u>18</u>	<u>18</u>
Do. do. Angle Irons	<u>3 1/2</u>	<u>3</u>	<u>3 1/2</u>	<u>3</u>	<u>3 1/2</u>	<u>3</u>	(Is the Stringer Plate attached to the outside plating?)	<u>Yes</u>	<u>Yes</u>
Side Stringers (No.) size of Angle Irons							Angle Irons on ditto (No.)	<u>3 x 3 x 3/8</u>	<u>3 x 3 x 3/8</u>
Do. Intercostal plates riveted to plating for length							Stringer or Tie Plates, outside Hatchways	<u>5 x 4 x 3/8</u>	<u>5 x 4 x 3/8</u>
Transoms, material <u>Iron</u> or, if none, in what manner compensated for.							Flat of Lower Deck	<u>6 x 2</u>	<u>6 x 2</u>
Knight-heads <u>Iron</u> Hawse Timbers <u>Iron</u>							Ceiling betwixt Decks, thickness and material	<u>2 1/2</u>	<u>2 1/2</u>
Windlass <u>Patent Parabolic Wood</u> Pall Bitt <u>Iron</u>							Do. in hold do. <u>Red Pine</u>	<u>3 1/2</u>	<u>3 1/2</u>
The Frames extend in one length from <u>Keel</u> to <u>Gunwale</u>							Main piece of Rudder, diameter at head	<u>2 1/2</u>	<u>2 1/2</u>
The Reverse Angle Irons on the floors and frames extend <u>across</u> the middle line to <u>Upper turn of Bilge</u> and to <u>Gunwale</u> alternately							Do. do. at heel	<u>2 1/2</u>	<u>2 1/2</u>
Keelsons. Are the various lengths of Plates and Angle Irons properly connected? <u>Yes</u> And are their butts properly shifted? <u>Yes</u>							(Can the Rudder be unshipped afloat? <u>Yes</u>)		
Plates, Garboard, double or <u>—</u> Riveted to Keel, double or <u>—</u> at upper edge, with Rivets (<u>1 1/4</u> in.) diameter, averaging (<u>4 1/2</u> ins.) from centre to centre.							Bulkheads No. <u>one</u> Thickness of <u>—</u>	<u>—</u>	<u>4 1/2</u>
Do. Edges from Garboards to upper part of Bilge, worked Clencher, double or single Riveted; with Rivets (<u>3/4</u> in.) diameter, averaging (<u>3</u> ins.) from centre to centre.							Do. Height up <u>to Main decks</u>		
Do. Butts from Keel to turn of Bilge, worked carvel with butt straps to strakes (<u>1 1/8</u>) thick, double or single Riveted; with Rivets (<u>3/4</u> in.) diameter averaging (<u>3</u> ins.) from centre to centre. Do the Butt Straps lay over and Rivet through the lands of the strakes above or below? <u>No</u>							Do. How secured to the sides of the ship <u>Between double frames</u>		
Do. of <u>one</u> Strakes at Bilge for <u>half</u> length, <u>double</u> riveted with Butt Straps <u>1/8</u> thicker than their plates.							Do. Size of Vertical Angle Irons <u>2 1/2 x 2 1/2</u> and their distance apart, <u>3 inches</u>		
Do. Edges from bilge to Main Sheerstrake, worked carvel with a lining piece (<u>—</u>) thick, or clencher, double or single riveted; with rivets (<u>3/4</u> in.) diameter, averaging (<u>2 1/4</u> ins.) from centre to centre.							Do. Are the outside Plates doubled two spaces of Frames in length? <u>Yes</u>		
Do. Edges of Sheerstrake, Main, double or single Riveted. Upper, double or single Riveted. At upper edge <u>single</u> At lower edge <u>double</u>									
Do. Butts from Bilge to Main Sheerstrake, worked Carvel with Butt Straps (<u>5/16</u>) thick, double or single Riveted; with Rivets (<u>3/4</u> in.) diameter, averaging (<u>3 1/4</u> ins.) from centre to centre.									
Do. Butts of Main Sheerstrake, double or <u>treble</u> Riveted. Butts of Upper or Spar Sheerstrake, and Upper Deck Stringer Plate, double or <u>treble</u> Riveted for length amidships. Breadth of laps of plating in double Riveting (<u>3 1/2 x 1/8</u>) Breadth of laps of plating in single Riveting (<u>2 1/2 x 1/8</u>)									
Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? <u>Double</u>									
Planksheer, how secured to the plating of the sides. Waterway, how secured to the planksheer and to the Beams. (Explain by Sketch, if necessary.) <u>Iron</u>									
Beams of the various Decks, how secured to the sides? <u>Beam ends turned down</u> No. of Breasthooks, <u>three</u> Crutches, <u>three</u>									
What description of Iron is used for the Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? <u>Palmer's Iron</u>									
Manufacturer's name or trade mark, <u>Palmer Shipbuilding & Iron Co. Limited</u>									
We certify that the above is a correct description of the several particulars therein given.									
Builder's Signature, <u>Robert Steele & Co.</u> Surveyor's Signature, <u>A. J. B. O. W.</u>									

IRON 449 - 0040



