

IRON SHIP.

No. **9020** Survey held at **Port Glasgow** Date, First Survey **14th May 1885** Last Survey **19th Oct 1885**

On the **Screw Schooner "Captain McClure"** (38 tons)

TONNAGE under Tonnage Deck **416**
 Ditto of Third, Star, & Lioning Deck **13.18**
 of Poop or Raised Qr. Dk. **44.21**
 Ditto of Houses on Deck **30.06**
 Ditto of Forecastle **503.45**
 Gross Tonnage **503.45**
 Less Crew Space **22.02**
 Less Engine Room **177.21**
 Register Tonnage as cut on Beam **304.22**

ONE OR TWO DECKED, THREE DECKED VESSEL, SPAR OR AWNING DECKED VESSEL.
Half Breadth (moulded) **11.75**
Depth from upper part of Keel to top of Upper Deck Beams **15.7**
Girth of Half Midship Frame (as per Rule) **24.25**
1st Number **57.7**
1st Number, if a 3-Decked Vessel deduct 7 feet **50.7**
Length **168.9**
2nd Number **8732.13**
Proportions— Breadths to Length **7.18**
Depths to Length— Upper Deck to Keel **10.75**
 Main Deck ditto **10.75**

Master **William Dalton**
Built at **Port Glasgow**
When built **1885** **Launched** **10th Sept**
By whom built **Murdoch & Munro**
Owners **Michael Murphy & Co.**
Residence **Dublin**
Port belonging to **Dublin**
Destined Voyage **Coasting**
If Surveyed while Building, Afloat, or in Dry Dock.
While Building under S.S.

LENGTH on deck as per Rule	Feet. Inches.	BREADTH— Moulded	Feet. Inches.	DEPTH top of Floors to Upper Deck Beams Do. do. Main Deck Beams	Feet. Inches.	Power of Engines	Horse.	Nº of Decks with flat laid	Nº of Tiers of Beams
168	11	23	6	14	6	90	90	One	One
Dimensions of Ship per Register, length 169.9 breadth 23.6 depth 14.2 moulded depth 15.2									
KEEL , depth and thickness	7 1/4 x 1 7/8		7 1/4 x 1 7/8		Flat Keel Plates, breadth and thickness				
STEM , moulding and thickness	6 1/2 x 1 7/8		6 1/2 x 1 7/8		PLATES in Garboard Strakes, br'dth & thickness				
STERN-POST for Rudder do. do.	6 1/2 x 3 3/4		6 1/2 x 3 3/4		From Garboard to upper part of Bilges				
" " for Propeller	6 1/2 x 3 3/4		6 1/2 x 3 3/4		Of d'bling at Bilge, or increased thickness, and length applied				
Distance of Frames from moulding edge to moulding edge, all fore and aft	21		21		From up. prt of Bilge to lr. edge of Sh'rstrake				
FRAMES , Angle Iron, for 1/2 length amidships	3 3 6		3 3 6		Main Sheerstrake, breadth and thickness				
Do. for 1/2 at each end	3 3 5		3 3 5		Of d'bling at Sh'stk. & lng. applied				
REVERSED FRAMES , Angle Iron	2 1/2 2 1/2 5		2 1/2 2 1/2 5		From M'n. to Up. or Spar Dk. Sh'rstrake				
FLOORS , depth and thickness of Floor Plate at mid line for half length amidships	1 1/2 6		1 1/2 6		Up. or Spar Dk Sh'rstrake, br'dth & thicken'ss				
" thickness at the ends of vessel	1 1/2 6		1 1/2 6		Butt Straps to outside plating, breadth & thickness				
" depth at 3/4 the half-bdth. as per Rule	7 1/2		7 1/2		Lengths of Plating				
" height extended at the Bilges	29		29		Shifts of Plating, and Stringers				
BEAMS , Upper, Spar, or Awning Deck	4 2 6		4 2 6		Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness				
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	4 2 6		4 2 6		Angle Iron on ditto				
Single or double Angle Iron on Upper edge	21		21		Tie Plates fore and aft, outside Hatchways				
Average space	21		21		Diagonal Tie Plates on Beams No. of Pairs				
BEAMS , Main, or Middle Deck	4 2 6		4 2 6		Flat of Up., Spar, or Awning Dk.				
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	4 2 6		4 2 6		How fastened to Beams				
Single or double Angle Iron, on Upper Edge	21		21		Stringer Plate on ends of Main or Middle Deck				
Average space	21		21		Beams, breadth and thickness				
BEAMS , Lower Deck	4 2 6		4 2 6		Is the Stringer Plate attached to the outside plating?				
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	4 2 6		4 2 6		Angle Irons on ditto, No.				
Single or double Angle Iron on Upper Edge	21		21		Tie Plates, outside Hatchways				
Average space	21		21		Diagonal Tie Plates on Beams, No. of pairs				
BEAMS , Hold, or Orlop	4 2 6		4 2 6		Flat of Middle Deck* do. do.				
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	4 2 6		4 2 6		How fastened to Beams				
Single or double Angle Iron on Upper Edge	21		21		Stringer Plates on ends of Lower Deck, Hold or Orlop Beams				
Average space	21		21		Is the Stringer Plate attached to the outside plating?				
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates	11 9 11 9		11 9 11 9		Angle Irons on ditto, No.				
" Rider Plate	7 3/4 9 7 3/4		7 3/4 9 7 3/4		Tie Plates, outside Hatchways				
" Bulb Plate to Intercoastal Keelson	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Diagonal Tie Plates on Beams, No. of pairs				
" Angle Irons	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Flat of Middle Deck* do. do.				
" Double Angle Iron Side Keelson	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		How fastened to Beams				
" Side Intercoastal Plate	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Stringer Plates on ends of Lower Deck, Hold or Orlop Beams				
" do. Angle Irons	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Is the Stringer Plate attached to the outside plating?				
" Attached to outside plating with angle iron	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Angle Irons on ditto, No.				
BILGE Angle Irons	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Tie Plates, outside Hatchways				
" do. Bulb Iron	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Diagonal Tie Plates on Beams, No. of pairs				
" do. Intercoastal plates riveted to plating for length	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Flat of Middle Deck* do. do.				
BILGE STRINGER Angle Irons	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		How fastened to Beams				
Intercoastal plates riveted to plating for length	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Stringer Plates on ends of Lower Deck, Hold or Orlop Beams				
SIDE STRINGER Angle Irons	3 1/2 3 6 3 1/2 3 6		3 1/2 3 6 3 1/2 3 6		Is the Stringer Plate attached to the outside plating?				

The **FRAMES** extend in one length from **Keel** to **Gunwale** Riveted through plates with **3/4** in. Rivets, about **6** apart.
 The **REVERSED ANGLE IRONS** on floors and frames extend from middle line to **upper deck** and to **Hold Orlop** alternately
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? **Yes** And butts properly shifted? **Yes**
PLATING. Garboard, double riveted to Keel, with rivets **1** in. diameter, averaging **5** ins. from centre to centre.
 " Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets **3/4** in. diameter, averaging **3** ins. from centre to centre.
 " Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets **3/4** in. diameter averaging **3** ins. from centre to centre.
 " Butts of **two** Strakes at Bilge for **half** length, treble riveted with Butt Straps **1/16** thicker than the plates they connect.
 " Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets **3/4** in. diameter, averaging **3** ins. from cr. to cr.
 " Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets **3/4** in. diameter, averaging **3** ins. from cr. to cr.
 " Edges of Main Sheerstrake, double or single riveted. **Upper Sheerstrake**, double or single riveted.
 " Butts of Main Sheerstrake, treble riveted for **length** amidships. Butts of Upper or Spar Sheerstrake, treble riveted **half** length amidships.
 " Butts of Main Stringer Plate, treble riveted for **length** amidships. Butts of Upper or Spar Stringer Plate, treble riveted for **half** length.
 " Breadth of laps of plating in double riveting **4 1/2** Breadth of laps of plating in single riveting **2 5/8**
 Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? **Double & Single** No. of Breasthooks, **Three** Crutches, **Two**
 What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? **Good**
 Manufacturer's name or trade mark, **Plates - Corbett. Anglo-Coats**
 The above is a correct description.
 Builder's Signature, **Murdoch & Munro** Surveyor's Signature, **Lawson**
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Workmanship. Are the butts of plating planed or otherwise fitted?

Planed

Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies?

Yes

Are the fillings between the ribs and plates solid single pieces?

Yes

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other?

Yes

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces?

Yes

Do any rivets break into or through the seams or butts of the plating?

Yes a few in the butts.

Masts, Bowsprit, Yards, &c., are of Pine in good condition, and sufficient in size and length. If of Iron or Steel give Scantlings Plating, Angle Irons, &c., and further explain by a Sketch showing how the Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Material and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit

Rigged as a fore and aft Schooner

NUMBER for EQUIPMENT

4605 h

N ^o .	SAILS.	CABLES, &c.	Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprntd.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	Weight req'd per Rule.	Machine where Tested & Suprntd.
		Chain .. 195	195	1 1/2	22 3/4	1 1/2	J. Harland	Bower Anchors	14513	10..2..0	12..8..3..0	10..0..0	
	Fore Sails,	Iron Steam Chain	60	3/4	10 1/2	3/4	J. Harland		14514	10..1..7 1/2	12..8..3..0	10..0..0	J. Harland
	Fore Top Sails,	or Steel Wire							14515	8..2..1 1/2	10..15..0..0	8..2..0	
	Fore Topmast Stay Sails,	or Hempen Strm Cable				75..8		Total	29..2..7		Total	28..2..0	
	Main Sails,	Towline, Hemp.	75	3	Steel wire			Stream Anchor	14516	3..3..0	6..3..0..4 1/2	3..3..0	J. Harland
	Main Top Sails, and others	or Steel Wire	90	6	90..6			Kedge	14517	1..3..0	4..4..1 1/4	3..0	
		Hawser						2nd Kedge	14518	1..2..2 1/2	4..4..1 1/4	3..0	
		Warp											

Standing and Running Rigging of Iron and steel sufficient in size and good in quality. She has Two Long Boat and good.

The Windlass is good Capstan good and Rudder good Pumps good.

Engine Room Skylights.—How constructed? Comings 3 ft 5 ins above R.R.D. How secured in ordinary weather? Teak flaps and

What arrangements for deadlights in bad weather? strong glass bullock eyes

Coal Bunker Openings.—How constructed? Comings 2 ft above R.R.D. How are lids secured? Solid hatch covers Height above deck?

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? Five Scuppers & 4 ports each side

Cargo Hatchways.—How formed? Comings 7 ft thick, 3 ft 6 ins above deck

State size Main Hatch 22..9 x 10..0 Fore hatch 14..0 x 8..0 Quarter hatch 19..2 x 10..0

If of extraordinary size, state how framed and secured? Side plating increased 1/2" & corners doubled.

What arrangement for shifting beams? Two deep web plates in the main one in the after & strong fore rafter in each

Hatches, If strong and efficient? Yes. 3 ins thick

Order for Special Survey No. 262

Date 16th April 1885

Order for Ordinary Survey No. 92

Date 16th April 1885

No. 92 in builder's yard.

State dates of letters respecting this case

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened, and before the decks were laid....
- 4th. When the ship was complete, and before the plating was finally coated or cemented..
- 5th. After the ship was launched and equipped

1885: May 4..6..16..18..20..22..26.
June 1..5..8..11..13..16..18..19..24..26.
July 1..15..16..17..20..21..24..29.
Aug 5..11..14..20..25..26..31.
Sept. 5..9..11..25: Oct 19

General Remarks (State quality of workmanship, &c.)

Quality of workmanship good.

This vessel has been constructed in accordance with the accompanying approved sketches and in all other respects with the Rules & the Committee's Circulars.

The ballast tanks have been tested by means of water to height of deep load line & made watertight.

A. 2. D 79 ft B. D 40 23 ft Open Forecastle 91-6 (whale-back)

State if one, two, or three decked vessel, or if open, or closing decked; and the lengths of poop, bridge, fore-castle, or raised quarter-deck. (If double bottom, state particulars on separate form.)

How are the surfaces preserved from oxidation? Inside Cement & Paint Outside Paint

I am of opinion this Vessel should be Classed

The amount of the Entry Fee£ 2 : 0 : 0 is received by me, J.W.

Special£ 24 : 1 : 0 3rd Nov. 1885

(to be sent as per margin). Certificate ... Gratis:

(Travelling Expenses, if any, £2..10..0) Friday, November, 6th 1885.

Committee's Minute

Character assigned

Surveyor to Lloyd's Register of British and Foreign Shipping.

It is submitted that this vessel is eligible to be classed 100A.1

as recommended

Lloyd's Register of Shipping

Foundation