

Steel and IRON SHIP.

THURS 22 APRIL 1886

(Received at London Office,)

No. 2212 Survey held at Belfast Date, First Survey June 29, 85 Last Survey April 1886

On the Steel and Iron Screw Steamer "Saint Fillan"

TONNAGE under Tonnage Deck 2984.83 ONE, OR TWO DECKED, THREE DECKED VESSEL.

Ditto of Third, Spar, or Awaiting Deck. 34.44 SPAR, OR AWNING DECKED VESSEL.

Ditto of Poop, or Raised Or. Deck. 34.36

Ditto of Houses on Deck. 73.85

Ditto of Forecastle 3130.48

Gross Tonnage 120.86

Loss Crew Space 3009.62

Loss Engine Room 1001.75

Register Tonnage as cut on Beam 2007.84

Half Breadth (moulded) 20.87

Depth from upper part of Keel to top of Upper Deck Beams 30.16

Girth of Half Midship Frame (as per Rule) 47.08

1st Number 90.11

1st Number, if a 3-Decked Vessel deduct 7 feet 7.11

Length 338.16

2nd Number 30809

Proportions— Breadths to Length 8.09

Depths to Length— Upper Deck to Keel 11.21

Main Deck ditto 15.24

Master E.D. FitzGerald

Built at Belfast

When built 1885-6 Launched Feb 25, 86

By whom built Harland & Wolff

Owners Rankin, Gilman & Co.

Residence Liverpool

Port belonging to Liverpool

Destined Voyage Suracoa via

If Surveyed while Building, Afloat, or in Dry Dock.

Specially surveyed while Building

Dimensions of Ship per Register, length, 340.5 breadth, 42.1 depth, 29.7

Flat Keel Plates, breadth and thickness 37 20 36 20

PLATES in Garboard Strakes, br'dth & thickness 37 20 36 20

From Garboard to upper part of Bilges 18-20 18-20

Of d'bling at Bilge, or increased thickness, and length applied 18-20 18-20

From up. prt of Bilge to lr. edge of Sh'rstrake 47 20 36 20

Main Sheerstrake, breadth and thickness 40 24 40 24

Of d'bling at Sh'stk. & lng. applied 40 24 40 24

From M'n. to Upr. or Spar Dk. Sh'rstrake 40 24 40 24

Up. or Spar Dk Sh'rstrake, br'dth & thckn'ss 40 24 40 24

Butt Straps to outside plating, breadth & thickness 40 24 40 24

Lengths of Plating 40 24 40 24

Shifts of Plating, and Stringers 40 24 40 24

Gunwale Plate on ends of Awaiting Spar, or Upper Deck Beams, breadth and thickness 40 24 40 24

Angle Iron on ditto 40 24 40 24

Tie Plates fore and aft, outside Hatchways 40 24 40 24

Diagonal Tie Plates on Beams No. of Pairs 40 24 40 24

Flat of Up. Spar or Awaiting Dk 40 24 40 24

How fastened to Beams 40 24 40 24

Stringer Plate on ends of Main or Middle Deck 40 24 40 24

Beams, breadth and thickness 40 24 40 24

Is the Stringer Plate attached to the outside plating? 40 24 40 24

Angle Iron on ditto, No. 2 40 24 40 24

Tie Plates, outside Hatchways 40 24 40 24

Diagonal Tie Plates on Beams, No. of pairs 40 24 40 24

Flat of Middle Deck\* do. do. 40 24 40 24

How fastened to Beams 40 24 40 24

Stringer Plates on ends of Lower Deck, Hatchways 40 24 40 24

Orlop Beams 40 24 40 24

Is the Stringer Plate attached to the outside plating? 40 24 40 24

Angle Iron on ditto, No. 4 40 24 40 24

Stringer or Tie Plates, outside Hatchways 40 24 40 24

Flat of Lower Deck\* 40 24 40 24

Ceiling betwixt Decks, thickness and material 40 24 40 24

in hold do. do. 40 24 40 24

Main piece of Rudder, diameter at head 40 24 40 24

do. at heel 40 24 40 24

Can the Rudder be unshipped afloat? 40 24 40 24

Bulkheads No. 7 No. per Rule 40 24 40 24

Thickness of 40 24 40 24

Height up 40 24 40 24

How secured to sides of ship 40 24 40 24

Size of Vertical Angle Irons 40 24 40 24

Are the outside Plates doubled two spaces of Frames in length? 40 24 40 24

Riveted through plates with 40 24 40 24

in Rivets, about 40 24 40 24

alternately 40 24 40 24

And butts properly shifted? 40 24 40 24

PLATING. Garboard, double riveted to Keel, with rivets 40 24 40 24

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 40 24 40 24

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 40 24 40 24

Butts of all Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 40 24 40 24

Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 40 24 40 24

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 40 24 40 24

Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted. 40 24 40 24

Butts of Main Sheerstrake, double riveted for 1/2 length amidships. Butts of Upper or Spar Sheerstrake, treble riveted 40 24 40 24

Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length. 40 24 40 24

Breadth of laps of plating in double riveting 40 24 40 24

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? 40 24 40 24

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? 40 24 40 24

Manufacturer's name or trade mark. 40 24 40 24

The above is a correct description. 40 24 40 24

Surveyor's Signature, 40 24 40 24

Surveyor to Lloyd's Register of British and Foreign Shipping 40 24 40 24

ROBERT TAYLOR & SON Commercial and General Estimators, 17, Old Street, Gresham Road, London. 40 24 40 24

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**Workmanship.** Are the butts of plating planed or otherwise fitted? *hammered*  
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? *very few*

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

State also Length and Diameter of Lower Masts and Bowsprit. *Schooner rigged as Auxiliary to Steam power*  
*Fore Mast, extreme with pole, 114 x 24; Main Mast 105.9 x 23 ft Steel*  
*Three plates in the round 10 to 32, and three iron angles 3 x 3 x 1/2*  
*Steel plates tested at the Manufactory*

NUMBER for EQUIPMENT <i>36493</i>						Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprntd.	ANCHORS.	N <sup>o</sup> .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Machine where Tested & Suprntd.
SAILS.		CABLES, &c.									Bower Anchors	1	40.0.0	25.15.0	40	27 Jan 86
		Chain .....		150	1 2 1/2	107.2-0-0	200 x 2 1/2	16 June 86		(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)			9.1.14			
Fore Sails,			Iron Stream Chain	44	2 1/2	4-0-0	20-4-				1	40.0.0	25.15.3.0	40	26-0	
Fore Top Sails,			or Steel Wire ..	90	4 1/2	4-0-0	42 x 1 1/2	16 June 86			1	34.0.7	31.14.1.14	34	25-0	
Fore Topmast Stay Sails,			or Hempen Strm } Cable.....										1.3.28			
			Towline, Hemp.	130	13		120 x 13									
Main Sails,			or Steel Wire ..	90	8 1/2		42 x 1 1/2	16 June 86								
			Hawser .....	90	3 1/2	4-0-0	90 x 10	16 June 86			Stream Anchor	1	12.3.0	14.1.3.0	12	27 Jan 86
Main Top Sails,			Warp .....	120	7		90 x 9				Kedge ...	1	2.0.2.12	2.7.2.0	6	26-0
and			quality	6 x 120	5 1/2						2nd Kedge ...	1	2.3.0	2.0.3.24	3	22-0

The Windlass is *Patent and good* Capstan *good* and Rudder *good* Pumps *good*

Engine Room Skylights.—How constructed? *of Oak in Iron Cases* How secured in ordinary weather? *Patents and masts*

What arrangements for deadlights in bad weather? *solid top with roller*

Coal Bunker Openings.—How constructed? *plates & angles* How are lids secured? *solid hatches* Height above deck? *gins*

Scuppers, &c.—What arrangements for clearing upper deck of water in case of shipping a sea? *Open railing fore and aft, except in way of Forecastle, Bridge and Poop*

Cargo Hatchways.—How formed? *of plates and angles* Comings *2-3 above deck*

State size Main Hatch *19.6 x 112.0* Forehatch *11.6 x 10.0* Quarterhatch *15.6 x 10.0 and 11.6 x 10.0*

If of extraordinary size, state how framed and secured? *A deep 10 ft plate and 3 feet 2 inches in main hatch (19.2) shifting beams and one foot 2 inches in each of 10.1, 4.2, 5, and one*

What arrangement for shifting beams? *one and after w. No. 3.*

Hatches, If strong and efficient? *yes solid*

Order for Special Survey No. <i>173</i>	DATES of Surveys held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought	<i>June 29; July 10, 24, 31; Aug 5, 13, 17, 22, 28</i>
Date <i>July 9-1885</i>		2nd. On the plating during the process of riveting	<i>Sept 1, 2, 4, 9, 11, 17, 22, 29; Oct 1, 5, 13, 16</i>
Order for Ordinary Survey No. <i>—</i>		3rd. When the beams were in and fastened, and before the decks were laid...	<i>22, 29; Nov 4, 11, 19, 23; Dec 2, 10, 17, 19</i>
Date <i>—</i>		4th. When the ship was complete, and before the plating was finally coated or cemented.	<i>23<sup>rd</sup> Jan 6, 12, 20, 22, 28; Feb 2, 11, 18, 20, 24</i>
No. <i>186</i> in builder's yard.		5th. After the ship was launched and equipped	<i>Mar 4, 10, 23, 30; April 7, 10, 15, 20, 1886</i>
State dates of letters respecting this case		<i>26<sup>th</sup> Feb-1885, 21<sup>st</sup> April 1885; also Nov-10<sup>th</sup> 85.</i>	

**General Remarks** (State quality of workmanship, &c.) *This vessel has been built in accordance with the accompanying approved tracing of midship section and pumping plan, in compliance with the Secretary's letters dated as above, and in general conformity with the Rules. She is a three decked steamer having a Forecastle 49 long, Bridge 76 long, under which the Engines & Boilers are enclosed, and on top of which is fitted a Chart room and the Engine room skylight; and a poop 33 long. She has a partial double bottom constructed on the Cellular system. Under Engines and Boilers and in fore part of After hold 104 feet long with water capacity for 420 tons, and a deep tank amidships 28 feet long with water capacity for 420 tons. All tested as required by the Rules.*

*The materials used in her construction, and the workmanship are very good*

State if one, two, or three decked vessel, or if open or running decked, and the lengths of poop, bridge, Forecastle, and main quarter-deck. (If double bottom, state particulars on separate form.)

How are the surfaces preserved from oxidation? Inside *Cement and paint* Outside *paint*

I am of opinion this Vessel should be Classed *+100 A1*

The amount of the Entry Fee .....£ 5 : : : is received by me, *James Curpin*

Special .....£ 100 : 5 : : 20.4.1886

(to be sent as per margin). Certificate *gratis* :

(Travelling Expenses, if any, & — )

Committee's Minute

Character assigned

*1 O.T.A. 1 Steel*

*2 Dredg. Shed*

*3 For Boilers*

*27th Feb 1886*