

STEEL IRON SHIP.

(Received at London) MONDAY 8 DEC 1884

No. 6760 Survey held at Paisley Date, First Survey 20th June 1884 Last Survey 2nd November 1884

On the S.S. ROSSGULL

TONNAGE under Tonnage Deck 189.54
 Ditto of Third, Spar, or Awning Deck. } 71
 Ditto of Poop, or Raised Qr. Dk. } 29.8
 Ditto of Houses on Deck } 15
 Ditto of Forecastle } 15
Gross Tonnage 220.23
 Less Crew Space 24.49
201.74
 Less Engine Room 115.31
Register Tonnage as out on Beam 86.43

ONE OR TWO DECKED, THREE DECKED VESSEL, SPAR, OR AWNING DECKED VESSEL.
 Half Breadth (moulded) 11.0
 Depth from upper part of Keel to top of Upper Deck Beams 11.16
 Girth of Half Midship Frame (as per Rule) 19.95
 1st Number 42.11
 1st Number, if a 3-Decked Vessel, deduct 7 feet
 2nd Number 5432.19
 Length 129
 2nd Number 5432.19
 Proportions— Breadths to Length... 5.86
 Depths to Length— Upper Deck to Keel... 11.55
 Main Deck ditto 11.55

Master Peter Mitchell
 Built at Paisley
 When built 1884 Launched 18th Dec 1884
 By whom built J. McArthur
 Owners Earl of Leitrim
 Residence Londonderry
 Port belonging to Londonderry
 Destined Voyage Coasting
 If Surveyed while Building, Afloat, or in Dry Dock, While building and afloat.

LENGTH on deck as per Rule 129 0 **BREADTH**— Moulded... 22 0 **DEPTH** top of Floors to Upper Deck Beams 10 1/2 Do. do. Main Deck Beams... 10 1/2 **Power of Engines** 55 **Horse.** 55 **Nº. of Decks with flat laid** 1 **Nº. of Tiers of Beams** 1

	Feet.		Inches.		Feet.		Inches.		Feet.		Inches.		Horse.		Nº. of Decks with flat laid		Nº. of Tiers of Beams		
Dimensions of Ship per Register, length, <u>130.1</u> breadth, <u>22.05</u> depth, <u>10.0</u>																			
KEEL , depth and thickness	7	1/2	5	8	7	1/2	5	8											
STEM , moulding and thickness	6	1/4	1	5	6	1/4	1	5											
STERN-POST for Rudder do. do.	6	3	8	3	6	3	8	3											
" " for Propeller	6	3	8	3	6	3	8	3											
Distance of Frames from moulding edge to moulding edge, all fore and aft	2	1			2	1													
FRAMES , Angle Iron, for 1/2 length amidships	3	2	1/2	8	3	2	1/2	8											
Do. for 1/4 at each end	3	2	1/2	8	3	2	1/2	8											
REVERSED FRAMES , Angle Iron	2	2	1/2	7	2	2	1/2	7											
FLOORS , depth and thickness of Floor Plate at mid line for half length amidships	1	2			1	2													
" thickness at the ends of vessel	6				6														
" depth at 3/4 the half-bdth. as per Rule	2	4			2	4													
" height extended at the Bilges	5	1/2	3	14	5	1/2	3	14											
BEAMS , Upper, Spar, or Awning Deck																			
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron																			
Single or double Angle Iron on Upper edge	4	2			4	2													
Average space	3	1			3	1													
BEAMS , Main, or Middle Deck																			
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron																			
Single or double Angle Iron on Upper Edge	4	2			4	2													
Average space	3	1			3	1													
BEAMS , Lower Deck																			
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron																			
Single or double Angle Iron on Upper Edge	4	2			4	2													
Average space	3	1			3	1													
BEAMS , Hold, or Orlop																			
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron																			
Single or double Angle Iron on Upper Edge	4	2			4	2													
Average space	3	1			3	1													
KEELSONS Centre line, single or double plate, box, or intercostal, Plates	1	0			1	0													
" Rider Plate	6	3			6	3													
" Bulb Plate to Intercostal Keelson	3	3			3	3													
" Angle Irons steel	3	3			3	3													
" Double Angle Iron Side Keelson	8				8														
" Side Intercostal Plate wash plates	2	2			2	2													
" do. Angle Irons	3	3			3	3													
" Attached to outside plating with angle iron	3	3			3	3													
BILGE Angle Irons steel	6				6														
" do. Bulb Iron steel	10				10														
" do. Intercostal plates riveted to plating for length	3	3			3	3													
BILGE STRINGER Angle Irons	3	3			3	3													
Intercostal plates riveted to plating for length	3	3			3	3													
SIDE STRINGER Angle Irons steel	3	3			3	3													

The **FRAMES** extend in one length from Keel to gunwale Riveted through plates with 3/4 in. Rivets, about 5 apart.
 The **REVERSED ANGLE IRONS** on floors and frames extend from middle line to side stringer and to deck 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 5/8 - 3/4 in. diameter averaging 2 1/2 - 3 ins. from centre to centre.
 " Butts of one Strake 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 1/2 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 in. way length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.
 " Butts of Main Stringer Plate, treble riveted for all length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.
 Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting 2 1/2
 Keelsons, Stringer and Tie Plates, treble, double or single Riveted? treble & double No. of Breasthooks, 3 Crutches, 1
 Material used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Siemens Martin
Mosson & Son & Steel Coy. & Balyell works Motherwell
 Surveyor's Signature, Charles Edwards
 Surveyor to Lloyd's Register of British and Foreign Shipping.

6760 Gls
Plated

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

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? *A few in butts only*

Masts, Bowsprit, Yards, &c., are *P. Pine* 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

N ^o .	NUMBER for EQUIPMENT SAILS.	CABLES, &c.	Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Supplied.	ANCHORS.				
								N ^o .	Weight. Ex. Stock.	Test per Certificate.	W ^g t req'd per Rule.	Machine where Tested & Supplied.
	Fore Sails,	Chain	165	14	35 20.12.2.0	165 - 14		Bower Anchors				
	Fore Top Sails,	Iron Stream Chain	45	10	9.25	45 - 10		1820	5.3.14	8.2.3.7	5.3.0	Tested at Nelson's 25th Aug 1884
	Fore Topmast Stay Sails,	or Steel Wire ..			4.625		1823	5.3.11	8.2.3.7	5.3.0		
	Main Sails,	or Hempen Strm Cable ..	75	6 1/2		75 - 6 1/2						
	Main Top Sails,	Towline, Hemp.	90	4		90 - 4		1825	1.2.14	4.1.2.7	1.2.0	
	and good quality good	or Steel Wire ..									0.3.7	
	Standing and Running Rigging	Warp										
	The Windlass is	Hawser										

Standing and Running Rigging *Nine Manila* sufficient in size and *good* in quality. She has *one* Long Boat and *another* The Windlass is *T. Reid* Capstan *and* Rudder *good* Pumps *good*

Engine Room Skylights.—How constructed? *Leak frames on iron* How secured in ordinary weather? *Quadrants*

What arrangements for deadlights in bad weather? *Strong Canvas covers*

Coal Bunker Openings.—How constructed? *Cast iron frames* How are lids secured? *With a Clutch* Height above deck? *Flush*

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *One mousing pipe, three scuppers and two wash ports 23x13 at each side of main deck; On R. 2. 15" below 12" deep with two wash ports & two scuppers on each side.*

Cargo Hatchways.—How formed? *Plates and Angles*

State size Main Hatch *15.6" x 8.6" x 15"* Forehatch *8.6" x 6.0" x 15"* Quarterhatch *✓*

If of extraordinary size, state how framed and secured? *Not of extraordinary size*

What arrangement for shifting beams? *One shifting beam in main hatchway*

Hatches, If strong and efficient? *Yes. solid 3" thick*

Order for Special Survey No. <i>1450</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>1884: 20. 22 June, 11. 14. 8. 10. 12. 14. 16. 18. 20. 22 July.</i>
Date <i>14th June 1884</i>		2nd. On the plating during the process of riveting	<i>1. 6. 7. 12. 26. 28 August; 2. 4. 8. 15. 27 Sept;</i>
Order for Ordinary Survey No. <i>✓</i>		3rd. When the beams were in and fastened, and before the decks were laid ...	<i>2. 9. 11. 17. 21 Oct; 4. 13. 18. 20. 24 Nov.</i>
Date <i>✓</i>		4th. When the ship was complete, and before the plating was finally coated or cemented..	
No. <i>29</i> in builder's yard.		5th. After the ship was launched and equipped.	

State dates of letters respecting this case *29th May & 5th Sep 1884.*

General Remarks (State quality of workmanship, &c.) *Workmanship and Materials are good.*
This is a one deck vessel built in accordance with the approved sketches herewith returned and Secretary's letters of above dates. She has a fore-castle 26.0; Bridge 7.6 and a Raised Quarter deck 50 feet in length.
The fore peak tank was tested by water pressure as required by the Rules and proved satisfactory. The after compartment was filled with water and bulkhead found tight.

State if one, two, or three decked vessel, or if spar, or running 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 and Paint* Outside *Paint*

I am of opinion this Vessel should be Classed *100 A. 1. Steel*
 The amount of the Entry Fee£ *2* : - : - is received by me, *(Signature)*
 Special£ *10* : *2* : - *5/12/ 1884*

Charles Edwards
 Surveyor to Lloyd's Register of British and Foreign

Committee's Minute *TUESDAY 9 DEC 1884 18*

Character assigned *100 A. 1. Steel*
LADDER
(Signature)

