

IRON SHIP.

Survey held at Paisley Date, First Survey July 1886 Last Survey January 1887 18

the Sr Risveglio **ONE, OR TWO DECKED, THREE DECKED VESSEL,** Master S Rosasco
SPAR, OR AWNING DECKED VESSEL.
 Built at Paisley
 When built 1887 Launched 10th Nov
 By whom built H Mc Intyre
 Owners C Raggio
 Residence Genoa
 Port belonging to Genoa
 Destined Voyage Sanander
 # Surveyed while Building, Afloat, or in Dry Dock

REGISTERS

Tonnage under Deck	429.10
of Third, Spar, or Awning Deck	3.69
of Fore-castles, or Raised Qr. Dk.	20.72
Ditto of Houses on Deck	14.77
Ditto of Fore-castles	14.77
Gross Tonnage	468.20
Less Crew Space	23.13
Less Engine Room	149.05
Less Engine Room	149.05
Register Tonnage as cut on Beam	296.30

PLANS

Half Breadth (moulded)	12.75
Depth from upper part of Keel to top of Upper Deck Beams	14.67
Girth of Half Mainship Frame (as per Rule)	24.45
1st Number	51.07
1st Number of 3-Decked Vessel deduct 7 feet	
Length	170.7
2nd Number	2054.2
Proportions— Breadths to Length	6.69
Depths to Length— Upper Deck to Keel	11.63
Main Deck ditto	

LENGTH on deck as per Rule ... 170 7 BREADTH— Moulded ... 25 5 DEPTH top of Floors to Upper Deck Beams ... 13 4 Power of Engines ... 70 Horse. No. of Decks with flat laid ... 1 No. of Tiers of Beams ... 1

Dimensions of Ship per Register, length, breadth, depth	Inches in Ship	Inches per Rule	16ths per Rule	16ths per Rule	Inches in Ship	Inches per Rule	16ths per Rule	16ths per Rule
KEEL, depth and thickness	7 1/2 x 170	7 1/2 x 170	7 1/2 x 170	7 1/2 x 170	7 1/2 x 170	7 1/2 x 170	7 1/2 x 170	7 1/2 x 170
STEM, moulding and thickness	6 1/2 x 170	6 1/2 x 170	6 1/2 x 170	6 1/2 x 170	6 1/2 x 170	6 1/2 x 170	6 1/2 x 170	6 1/2 x 170
STERN-POST for Rudder do. do.	6 1/2 x 3 1/4	6 1/2 x 3 1/4	6 1/2 x 3 1/4	6 1/2 x 3 1/4	6 1/2 x 3 1/4	6 1/2 x 3 1/4	6 1/2 x 3 1/4	6 1/2 x 3 1/4
" " for Propeller	"	"	"	"	"	"	"	"
Distance of Frames from moulding edge to moulding edge, all fore and aft	21	21	21	21	21	21	21	21
FRAMES, Angle Iron, for 3/4 length amidships	3 3 6	3 3 6	3 3 6	3 3 6	3 3 6	3 3 6	3 3 6	3 3 6
Do. for 1/2 at each end	3 3 5	3 3 5	3 3 5	3 3 5	3 3 5	3 3 5	3 3 5	3 3 5
REVERSED FRAMES, Angle Iron	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	1 1/2 6	1 1/2 6	1 1/2 6	1 1/2 6	1 1/2 6	1 1/2 6	1 1/2 6	1 1/2 6
" thickness at the ends of vessel	5	5	5	5	5	5	5	5
" depth at 3/4 the half-bdth. as per Rule	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
" height extended at the Bilges	29	29	29	29	29	29	29	29
BEAMS, Upper, Spar, or Awning Deck	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5	2 1/2 2 1/2 5
Single or double Angle Iron on Upper edge	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
Average space								
BEAMS, Main, or Middle Deck								
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron								
Single, or double Angle Iron, on Upper Edge								
Average space								
BEAMS, Lower Deck								
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron								
Single or double Angle Iron on Upper Edge								
Average space								
BEAMS, Hold, or Orlop								
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron								
Single or double Angle Iron on Upper Edge								
Average space								
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates								
" Rider Plate								
" Bulb Plate to Intercoastal Keelson	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6
" Angle Irons	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6
" Double Angle Iron Side Keelson								
" Side Intercoastal Plate Wash Plate	2 1/2 2 1/2 4	2 1/2 2 1/2 4	2 1/2 2 1/2 4	2 1/2 2 1/2 4	2 1/2 2 1/2 4	2 1/2 2 1/2 4	2 1/2 2 1/2 4	2 1/2 2 1/2 4
" do. Angle Irons								
" Attached to outside plating with angle iron								
LARGE Angle Irons	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6
" do. Bulb Iron half length	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6
" do. Intercoastal plates riveted to plating for length								
LARGE STRINGER Angle Irons	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6	3 1/2 3 6
Intercoastal plates riveted to plating for length								
DE STRINGER Angle Irons								

FRAMES extend in one length from Keel to deck stringer Riveted through plates with 3/4 in. Rivets, about 6 apart.
 REVERSED ANGLE IRONS on floors and frames extend from middle line to deck stringer and to large stringer 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 one Strakes at Bilge for half length, double 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, double riveted fore half length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.
 Butts of Main Stringer Plate, treble riveted for half length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for half length amidships.
 Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting 2 3/4
 Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Part treble No. of Breasthooks, 4 Crutches, 3
 What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Johnston & Co. Steel
 manufacturer's name or trade mark, J & M. H. M. & Co.
 The above is a correct description.
 Builder's Signature, H. M. Lutyens Surveyor's Signature, H. M. Lutyens
 Surveyor to Lloyd's Register of British and Foreign Shipping

State clearly where plating is of alternate thicknesses— as distinguished from diminished thickness at ends of vessel.
 * If Iron Deck, state if whole or part, and if wood deck so laid thereon.

G.L.S. 146-0194

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? *Very few*

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Masts, Bowsprit Yards, &c., are *Iron* 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
Two fore masts of Pitch Pine

NUMBER for EQUIPMENT	SAILS.	CABLES, &c.	Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprntd.	ANCHORS.		Test per Certificate.	W'ght req'd per Rule.	Machine where Tested & Suprntd.
								N ^o .	Weight. Ex. Stock.			
	Chain	105	1 1/2	34. 2. 2. 0	195. 1 1/2	1PHN.	Bower Anchors	11605	10. 0. 9	12. 2. 0. 21	10	1PHN 090
	Fore Sails,	90		22. 15. 0 0		10100	2 Bower Anchors	11607	10. 0. 1	12. 2. 0. 21	10	
	Fore Top Sails,	60. 2	3/4	15. 2. 2. 0	60 3/4	10200	2 Bower Anchors	11608	10. 0. 2. 16	10. 17. 2. 0	0 1/2	
	Fore Topmast Stay Sails,	75	0	10. 2. 2. 0	75 0		Stream Anchor	11723	3. 3. 1	6. 5. 1. 7	3 3/4	
	Main Sails,	90	6		90. 6		Kedge	11722	1. 5. 1	4. 7. 0. 21	1 3/4	
	Main Top Sails, and						2nd Kedge		1. 0. 5		3/4	

Standing and Running Rigging *Wire Shemps* sufficient in size and *good* quality. She has *one* Life Long Boat and *one* other
 The Windlass is *Iron* Capstan and Rudder *good* Pumps *good*

Engine Room Skylights.—How constructed? *on iron deck house* How secured in ordinary weather? *by bolts*

Coal Bunker Openings.—How constructed? *this deck* How are lids secured? *by lockings* Height above deck? *flush*

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *4 ports 14 Scuppers and 2 gangways on each side*

Cargo Hatchways.—How formed? *Iron comings*
 State size Main Hatch *13. 11 1/2 x 9* Forehatch *6. 10 1/2 x 5. 10* Quarterhatch *13. 11 1/2 x 0*

If of extraordinary size, state how framed and secured? *Shifting beams and foregates in large hatchways*

What arrangement for shifting beams?
 Hatches, If strong and efficient? *Articulated hatches*

Order for Special Survey No. *1881*
 Date *28th July*
 Order for Ordinary Survey No. *1881*
 Date *28th July*
 No. *81* in builder's yard.

General Remarks (State quality of workmanship, &c.)
The Workmanship is good and the vessel has been constructed in accordance with the rules and the approved plans appended. Some of the plates within the midship half length in the Sheerstrake being about 3/2 thinner than required, a doubling strake 2 1/2 x 7/8 has been wrought above the gunwale angle bar for the length of 27 feet. She is fitted with water ballast in the fore and the after keels (after the vessel was launched) in accordance with the rules.

Erections above main deck
Foremast forecote 22. 9"
Foremast Breechings 17. 0"
Water ballast
Forepeak 40 tons
Aft 25. "
Total 65 tons.

State if one, two, or three decked vessel, or if spar, or running decked; and the lengths of poop, bridge, forecote, or raised quarter deck. (If double bottom, state particulars on separate form.)

How are the surfaces preserved from oxidation? Inside *Cement and Paints* Outside *Paint.*

I am of opinion this Vessel should be Classed *+ 100 A 1*

The amount of the Entry Fee ... £ 5 : 0 : 0 is received by me, *(Signature)*
 Special ... £ 22 : 5 : 0 14th Decr 1881
 Certificate ... 0 : 0 : 0
 (to be sent as per margin)

(Travelling Expenses, if any, £ ...)
 Committee's Minute *Friday, December, 10th, 1881.*

assigned *(Signature)*

