

IRON OR STEEL STEAMER.

(Received at London Office)

Part Awning Dk. 26

Date of completion of Report 18 Nov 1891.

Port of West Hartlepool

No. 8666 Survey held at West Hartlepool Date, First Survey 18 June 91. Last Survey 2nd Dec 1891.

On the Steel Sloop Steamer "MARIETTA RALLI" Schooner Rig 2 Masts.

TONNAGE under Tonnage Deck... 1802.77... CLASS 100A1... Master A. Symon.

Do. of Poop 80.14... Do. of Ribs & (Gr.) Dk. or Break 100.05... Half Breadth (moulded) 18.11... Built at West Hartlepool

Do. of Bridge House 229.81... Do. of Houses on Deck 6.81... Depth from upper part of keel to top of Main Deck Beams 23.2... When built 1891. Launched 19 Oct 1891

Do. of excess of Hatchways 19.52... Do. of Forecastle... Girth of Half Midship Frame (as per Rule) 37.4... By whom built Furness Withy & Co. Ltd.

Gross Tonnage 2339.10... Less Crew Space 70.92... Length 288.4... Owners Foscolo Manno & Co.

TONNAGE FOR FEES... 2268.18... End Number 22897... Managers... (Where necessary to be entered in Reg. Book.)

Residence Constantinople... Port belonging to Constantinople... Destined Voyage Constantinople... # Surveyed while Building, Afloat, or in Dry Dock

REGISTRATION... LEAS... BREADTH... DEPTH... Power of Engines... No. of Decks with flat laid... No. of Tiers of Beams

Dimensions of Ship... Length 290.0 breadth 38.05 depth 19.9... Moulded depth, ft. 22 ins. 5 To Main Dk. Round up of Beam, Main Dk. 9 ins.

Table with columns: INCHES IN SHIP, INCHES PER RULE OR AS APPROVED. Rows: KEEL, Bar or Side Plates, depth and thickness; STEM, moulding and thickness; STERN-POST for Rudder do. do.; MAIN PIECE of Rudder, diameter at head; RUDDER, how constructed; Can the Rudder be unshipped afloat?

FRAMING. Table with columns: INCHES IN SHIP, INCHES PER RULE OR AS APPROVED. Rows: FRAME Angles, or Bars for 1/2 length amidships; Do. for 1/2 at each end; Do. in way of Double Bottoms; Distance of Frames from moulding edge to moulding edge, all fore and aft; REVERSED FRAME Angles; FLOORS, depth and thickness of Floor Plate; FLOORS & BRACKETS, in Cell Dble Bottoms; CENTRE GIRDER, in Double bottom, depth and thickness; SIDE GIRDERS, number and thickness; MARGIN PLATE, depth (exclusive of flange) and thickness; BOTTOM PLATING, breadth and thickness of Middle Line Strake; BEAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb; BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb; BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb; BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb; BEAMS, in 'tween Decks, Size and Spacing; WEB FRAMES, In Fore Body, No. and spacing; WEB FRAMES, In After Body, No. and spacing; CKET PLATES to Stringers between; b Frames, depth and thickness

KEELSONS AND STRINGERS. Table with columns: INCHES IN SHIP, INCHES PER RULE OR AS APPROVED. Rows: CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Intercoastal Plate; Bulb Plate; Bulb Plate to Intercoastal Keelson; Horizontal Plates on Floors; SIDE KEELSON, Angles; Bulb or Plate above floors, for Intercoastal Plate, for Attached to outside Plating with Angle; BILGE KEELSON, Angles; Bulb or Plate above floors, for Intercoastal Plate, for Attached to outside Plating with Angle; BILGE STRINGER Angles; Bulb Plate, for Intercoastal Plate, for Attached to outside Plating with Angle; SIDE STRINGER Angles; Bulb or Intercoastal Plate, for

Spar, or Awning Deck Stringer Plates, on ends of Beams, breadth and thickness; Angle on ditto; Tie Plates, fore and aft, outside Hatchways; Diagonal Tie Plates on Dms., No. of prs.; Flat of Deck, * Iron or Steel, for Jon. Material and thickness; How fastened to Beams Iron Rivets; Main Deck Stringer Plate, breadth & thickness; Angles on ditto, No. 2; Tie Plates, outside Hatchways; Diagonal Tie Plates on Dms., No. of prs.; Flat of Deck, * Iron or Steel, for whole len. Material and thickness; How fastened to Beams Iron Rivets; Lower Deck Stringer Plates, br'dth & thickn's; Angles on ditto, No. 2; Tie Plates, outside Hatchways; Flat of Deck, * Material and thickness; How fastened to Beams; Hold, or Orlop Stringer Plate, br'dth & thickn's; Angles on ditto, No. 2; Tie Plates, outside Hatchways; Flat of Deck, * Material and thickness; How fastened to Beams; Poop Deck Stringer Plate, breadth & thickness; Angles on ditto; Tie Plates; Flat of Deck, * Material and thickness; Bridge Deck Stringer Plate, br'dth & thickness; Angle on ditto; Tie Plates; Flat of Deck, * Material and thickness; Forecastle Deck Stringer Plate, br'dth & thickn's; Angle on ditto; Tie Plates; Flat of Deck, * Material and thickness

PLATING. Table with columns: INCHES IN SHIP, INCHES PER RULE OR AS APPROVED. Rows: FLAT PLATE KEEL, breadth and thickness; PLATES in Garboard Strakes, breadth & thickness from Garboard to lower part of Bilges; Bilges, No. of Strakes and thickness; Of doubling at Bilge, or increased thickness, and length applied; from up. part of Bilge to Ir. edge of Sh'rstrake; Main Sheerstrake, breadth and thickness; Of doubling at Sh'rstk. & lng. applied; from Main to Spar Dk. or Awn. Dk. Sh'rstk. Spar or Awn. Dk. Sh'rstk., br'dth & thickn's; Poop sides; Bridge sides; Forecastle sides; Lengths of Plating

Table with columns: INCHES IN SHIP, INCHES PER RULE OR AS APPROVED. Rows: Poop Deck Stringer Plate, breadth & thickness; Angles on ditto; Tie Plates; Flat of Deck, * Material and thickness; Bridge Deck Stringer Plate, br'dth & thickness; Angle on ditto; Tie Plates; Flat of Deck, * Material and thickness; Forecastle Deck Stringer Plate, br'dth & thickn's; Angle on ditto; Tie Plates; Flat of Deck, * Material and thickness

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BULKHEADS.		No. in Vessel	No. Req'd. by Rule
Ceiling betwixt Decks, thickness and material	2 1/2" Red Pine		
" In hold do. do.	2 1/2" "		
Number of Breasthooks	8		
" Crutches	4		

W. T. BULKHEADS after engine Room Bulkheads in after hold.

LONGITUDINAL bulkheads between bulkheads. Are the outside plates doubled two spaces of Frames in length? *Yes*

The FRAMES extend in one length from *stank side* to *gunwale*. Riveted through Plates with *7/8"* in Rivets, about *6/8"* apart.

The REVERSED ANGLE on floors and frames extend from *all formed as per sketch of Midship Section.*

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.

Garboard, double riveted to *Bar Keel or Flat Plate Keel*, with rivets *1"* in diameter, averaging *4"* ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets *7/8"* in diameter, averaging *3 1/2"* ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, treble or double riveted; treble for *1/2* lgh.; with rivets *7/8"* in dia., averaging *3 1/8"* ins. from cr. to cr.

Butts of *all* Strakes at Bilge for *1/2* length, treble riveted with Butt Straps *3/16"* thicker than the plates they connect.

Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets *7/8"* in diameter, averaging *3 1/2"* ins. from centre to centre.

Butts from Bilge to Main Sheerstrake, worked carvel, treble or double riveted; treble for *1/2* lgh.; with rivets *7/8"* in dia., averaging *3 1/8"* ins. from cr. to cr.

Edges of Main Sheerstrake, double or single riveted. *Spars or Awning Sheerstrake*, double or single riveted.

Butts of Main Sheerstrake, treble riveted for *1/2* length amidships. *Butts of Spar or Awning Sheerstrake*, treble riveted *1/2* length amidships.

Butts of Main Stringer Plate, treble riveted for *1/2* length amidships. *Butts of Spar or Awning Stringer Plate*, treble riveted for *1/2* length amidships.

Butts of Inner Bottom Plating double riveted for *1/2* length. *Butts of Centre Girder* treble riveted.

Breadth of edge laps of Shell Plating in double riveting *6 1/2" to 4 1/2"*. Breadth of edge laps of Shell Plating in single riveting *6 1/2" to 4 1/2"*.

Butt Straps of Shell Plating, breadth and thickness *1 1/2" x 1 1/2"*. *Butts, if Lapped*, breadth of laps *9 ins.*

Butt Straps of Keelsons, Stringer and Tie Plates, treble or double, riveted.

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c. *Steel. See's Patent. Dorman Long & Co. Middlesbrough. Furness & Co. Furness. West Hartlepool Iron Co. and West Steel Co.; See's Patent. Dorman Long & Co. Middlesbrough. Furness & Co. Furness. West Hartlepool Iron Co. and West Steel Co.*

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed, where practicable.*

Is the riveted work properly closed? *Yes.*

Are the liners between the frames 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, generally.*

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 plating? *Yes, a few.*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes.*

MASTS, SPARS, &c.

LOWER MASTS, &c.	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.		Head.	Number.	Size.	Seams.
Fore	Iron	72.0	2 1/2" x 1/4"	1 1/2" x 1/4"	1 1/2" x 1/4"	Two			Double	Butts
Main	do.	79.0	2 1/2" x 1/4"	1 1/2" x 1/4"	1 1/2" x 1/4"	Two			do.	do.
Mizen	do.	79.0	2 1/2" x 1/4"	1 1/2" x 1/4"	1 1/2" x 1/4"	Two			do.	do.

Bowsprit *as approved in Secretary's letter 13/9/91 to Middlesbrough Surveyors.*

Topmasts, Yards and Remainder of Spars *Red Pine*

Rigging, Material and Size, Shrouds *3/4" Wire (Iron)*

Sails. *See* Suit of Sails and the following spare sails *Stays 4/4" Wire (Iron)*

EQUIPMENT No. 25759. LETTER S. ANCHORS.

Number of Certificate.	WEIGHT, EX STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQ'D BY RULE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
30825	1	0	0	35	18	3	0	40	0	0	Hartford's Patent	24/9/91. H. Green
30827	1	0	0	35	10	7	0	40	0	0	do.	24/9/91. H. Green
30826	1	0	0	32	7	2	0	34	0	0	do.	24/9/91. H. Green
13959	1	0	0	12	15	1	7	10	2	0	Ordinary	1/10/91. H. Green
13957	1	0	0	7	14	0	7	5	1	0	do.	1/10/91. H. Green
13958	1	0	0	14	5	5	0	2	2	0	do.	1/10/91. H. Green

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms.	Size.	Fathoms & Size. Per Rule.
			Tons.	Weight of Chain Cable.							
12331	135 1/2	1 1/2"	229	0	270	Wood's Patent	7/10/91. H. Green	Towline	90	1 1/2"	90-7/2
12332	135 1/2	1 1/2"	229	1	270	do.	7/10/91. H. Green	Hawser	90	1 1/2"	90-7/2
12333	75	1 1/8"	57	2	75-1 1/8"	do.	7/10/91. H. Green	do.	80	1 1/8"	80-6
Iron chain or Steel Wire.	90	4	33		90-4	Steel wire	7/10/91. H. Green	do.	80	4	80-6
Towline (if steel wire)	90	3 1/2"	32		90-3 1/2"	do.	7/10/91. H. Green	do.	80	3 1/2"	80-5 1/2

HAWSERS AND WARPS.

Boats *Two lifeboats & two others.*

Pumps, Number *4*. Diameter of Barrel and Tail Pipe *6" x 3"*.

The Windlass is *Iron. Good.*

Engine Room Skylights. How constructed? *of Iron & Steel.*

What arrangements for deadlights in bad weather? *Strong steel shutters with bulls' eyes fitted.*

Coal Bunker Openings. How constructed? *of Iron.* How are lids secured? *2 1/2" latched.* Height above deck? *12"*

Number of Scuppers, and number and dimensions of Freecing Ports, &c. *Open bulwarks in way of Part-Awning Deck, and four ports aft, each 22 1/2" x 15", on each side.*

Cargo Hatchways. How formed? *of Iron plates & angled.* Hatches. If strong and efficient? *Yes. 3" thick.*

State size No. 1 Hatch (Forward) *16' 0" x 14' 0" x 2' 0"*. No. 2 Hatch *24' 0" x 15' 0" x 2' 0"*. No. 3 Hatch *20' 0" x 15' 0" x 2' 0"*. No. 4 Hatch *20' 0" x 15' 0" x 2' 0"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *One web in No. 1; and two webs in other hatchways. Three fore & afters in each hatchway.*

Bulwarks, height above deck and description *Iron rails & stanchions (open).* Main Rail, material and size *Yes.*

The above is a correct description.

Builder's Signature (here only) *Leonard Mello.* Surveyor's Signature *Thos Phillips*

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

Order for Special Survey No. *1496*

Date *24 April 1891.*

Order for Ordinary Survey No. *187.* in builder's yard.

Dates of Surveys held while building as per Section 18: *24/4/91, 27/5/91, 12/13/91, 26/11/91*

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

Built under special survey.

Date 1st Survey *18 June 1891.*

Last *2 Dec 1891.*

Total No. of Visits *60.*

State dates and initials of letters respecting this case *24/4/91, 27/5/91, 12/13/91, 26/11/91*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the Rules, and the approved tracings now in the London office.*

The whole of the steel used in the hull has been heated as prescribed by the Rules, and found satisfactory.

The workmanship is of good quality.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *8 ft.*, R.Q.D. or Break *84' 0 ft.*, Bridge Dk. *173 ft.*, Mastle *ft.* (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated *Poop.*

R.A. Deck, and Partial Awning Decks are connected.

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *1 Dk. (Steel & Iron) and web frames, & part Awning Dk. (Iron).*

Official No. *100A1*; Signal Letters *Steel*

PARTICULARS OF WATER BALLAST—

Double bottom, aft, length *✓* and water capacity in tons *✓*. Double bottom, forward, length *✓* and water capacity in tons *✓*

Double bottom, under engines and boilers, length *✓* and water capacity in tons *✓*. If under Engines only, or Boilers only, state which *✓*

Double bottom, constructed on the cellular system, length *248 ft.* and water capacity in tons *377*

Fore peak tank, water capacity in tons *30*. After peak tank, water capacity in tons *30*

Midship deep tank, length *✓* and water capacity in tons *✓*. Other tanks, if fitted, length *✓* and water capacity in tons *✓*

The above have *not* been tested as required by the Rules.

(If necessary, furnish further information by sketch.)

How are the surfaces preserved from oxidation? *Inside by Portland Cement & Paint. Outside by paint.*

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated *27 Nov. 1891. 41.*

In Summer *2 ft. 0. ins.*

In Winter *2 ft. 4. ins.*

For Winter in North Atlantic *2 ft. 8. ins.*

Fresh Water above the centre of disc *5. ins.*

Statutory deck level of To top of Wood, Iron or Steel Upper, Spar, Awning, or Part-Awning Deck.

The amount of Entry Fee *£ 5* is received by me, *Thos Phillips*

Special *£ 81. 14.* *7 Nov 1891*

Certificate *£ 7. 10.*

Travelling Expenses, if any *£ 100A1 Steel*

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

Signature *Thos Phillips*

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

Committee's Minute *FRI 11 DEC 1891*

Character assigned *100A1 Steel*

LATER subject to freeboard of 8' 2" as assigned by the Committee for the top of the statutory deck line at Pt. Awning Dk. & was marked on the vessel; and to be recorded in the Register Book and the freeboards as set forth on the accompanying verification form to be inserted in the certificate of class.

1 Dk (pt. Steel & pt. Iron) & web frames & pt. Awning Dk. (Iron)

1 Dk (pt. Steel & pt. Iron) & web frames & pt. Awning Dk. (Iron)

Cell. D.B. (part under above)

F.K.

Lloyd's Register Foundation

HPL 366-0110 (2/12)