

1 or 2 Dks., R. Q. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

THUR. FEB 27 1902

No. 3282

State of Report is also sent on the Machinery of the Vessel Yes Sld 20829 Received at London Office.
Date of completion of Report 24 February 1902 Port of Middlesbrough - Des
Date, First Survey 20 June 1901 Last Survey 19 February 1902
Minas (yard No. 82) Rig Schooner

Survey held at Thornaby-on-Tees
On the ship steamer
TONNAGE under
Tonnage Deck 1686.84
Do. of Poop 61.26
Do. of Forecastle 38.33
Do. of Houses on Deck 45.82
Do. of excess of Hatchways 30.42
Do. above Crown of
Engine Room 1862.67
Gross Tonnage 47.28
Less Crew Space 1815.39
Less above Crown of
Engine Room 596.25
Navigation Spaces 24.98
Register Tonnage 1194.36
cut on Beam

ONE OR TWO DECKED VESSEL.
CLASS 100A/Steel

Master J. E. Lopategui
Year of appointment (1) As master in service of owner of present vessel: 1902
(2) As master of this vessel: 1902
Built at Thornaby-on-Tees
When built 1902 Launched 24-12-01
By whom built Craig Taylor & Co
Owners Sociedad Espanola de Minas
Managers Ramon de Madariaga
Residence Bilbao
Port belonging to Bilbao

LENGTH on Deck as Feet. 269 0 Inches. 0
BREADTH—Feet. 40 6 Inches. 6
DEPTH, ACTUAL—Feet. 19 4 Inches. 4
No. of Decks with Flat laid one
No. of Tiers of Beams 10
Dimensions of Ship per Register, Length, 269' 4" breadth, 40' 8" depth, 19' 4" Moulded Depth, 20' 6" ins. Round of Beam, Actual 10' ins.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
AME, Angles, $\frac{1}{2}$ E or L Bars, for $\frac{1}{2}$ length amidships	5	3	8	5	3	KEEL, Bar or Side Plates depth and thickness	9 x 2 1/2		9	2 1/2	
Do. for $\frac{1}{2}$ at each end	5	3	8	5	3	STEM, moulding and thickness	9 x 5 1/2		9	5 1/2	
Do. in way of Double Bottoms at Solid Floors	3	3	8	3	3	STERN-POST for Rudder do. do.	9 x 5 1/2		9	5 1/2	
" " at intermdt. Bkts.	24		24			" for Propeller	7 1/2		7 1/2		
VERSED FRAME, Angles	3 1/2	3	8	3 1/2	3	MAIN PIECE of Rudder, diameter at head	3 1/2		3 1/2		
EP FRAMING, depth of girder						do. at heel	3 1/2		3 1/2		
DOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships						RUDDER, how constructed Iron forging. Plated in usual way					
in way of Engines and Boilers						Can the Rudder be unshipped afloat? Yes					
thickness at the ends of vessel											
depth at $\frac{1}{2}$ the half breadth, as per Rule											
height extended at the Bilges											
DOORS & BRACKETS, in Cell Dble Bottoms	38		40	38	7						
" " state if flanged (top & bottom)											
" " Spacing	24		24								
TRE GIRDER, in Double Bottom, depth and thickness	38		10	38	10						
" " Angles, Top	4	4	9	4	4						
" " Bottom	5 1/2	4	9	5 1/2	4						
E GIRDERS, number on each side & thickness state if flanged (top & bottom)	one		8		8						
Angles	3 1/2	3 1/2	7	3 1/2	3 1/2						
GIN PLATE, depth (exclusive of flange) and thickness	30		8	30	8						
Angles to Outside Plating	3 1/2	3 1/2	8	3 1/2	3 1/2						
" Floors	3 1/2	3 1/2	7	3 1/2	3 1/2						
Height of Floors at the Bilges											
R BOTTOM PLATING, breadth and thickness of Middle Line Strake	36		9	36	9						
" thickness in Engine and Boiler space			9		9						
" Remainder in Holds			7		7						
IS, Main and Raised Quarter Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	3	9	7	3						
Angles on Upper Edge	24		24								
Spacing											
IS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb											
Angles on Upper Edge											
Spacing											
S, Hold, Plate or Tee Bulb											
Angles on Upper Edge											
Spacing											
S, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	7	5	3						
Angles on Upper Edge	24		24								
Spacing											
S, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	6	3	8	6	3						
Angles on Upper Edge	24		24								
Spacing											
S, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2		7	7 1/2	7						
Angles on Upper Edge	3	3	6	3	3						
Spacing	48		48								
RS, In 'tween Decks, Size and Spacing	2 1/2 as Rule		2 1/2								
" Hold	3 1/2 as Rule		3 1/2								
" Quarter, 'tween Dks., "											
" " in Hold											
WEB FRAMES, In Fore Body, No. and Spacing	Eight pairs 6 1/2		4		Frame spaces						
" " Brdth. & Thickness	15		8 1/2	15	8 1/2						
" No. of Side Stringers	Two		15		8 1/2						
WEB FRAMES, In E. & B. Space, No. & Spacing	Four pairs 6 1/2		4		Frame spaces						
" " Brdth. & Thickness	15		8	15	8						
WEB FRAMES, In After Body, No. and Spacing	Seven pairs 6 1/2		4		Frame spaces						
" " Brdth. & Thickness	15		8 1/2	15	8 1/2						
" No. of Side Stringers	Two		15		8 1/2						
" Size of Angles or Tee Bars to Web Frames	6	4	10	6	4						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness											

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Ordinary or Joggled?		RIVETS.		Double or Treble and for what Length.		STRAPS.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or. to cr.	Diam.	Spacing or. to cr.	Breadth.	Thickness.	Breadth.	For what Length.			
	Inches.	16ths or 20ths.	16ths or 20ths.	16ths or 20ths.	Inches.	16ths or 20ths.		Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	16ths or 20ths.	Inches.	Feet.			
FLAT PLATE KEEL.....	36	16	12	12	36	16	Double	6	1	4	Treble	1	3 1/2			10 1/2	Whole.		
(If Bar Keel, state Riveting)	50	12	11	12	50	12	5/8	5 1/4	3/8	3 1/2	Quad	4	3 1/2			12	5/8		
GARBOARD OR A STRAKE...	60	10	9	9	60	10	5/8	5 1/4	3/8	3 1/2	5/8	3/8				12	5/8		
State actual thickness in way of Double Bottom.	60	10	9	10	60	10	5/8	5 1/4	3/8	3 1/2	5/8	3/8				12	5/8		
B "	60	13	10	14	60	13	5/8	5 1/4	3/8	3 1/2	5/8	3/8				12	5/8		
C "	60	12	9	12	60	12	5/8	5 1/4	3/8	3 1/2	5/8	3/8				12	5/8		
D "	47	12	9	12	47	12	5/8	5 1/4	3/8	3 1/2	Quad Treble	1/2	3 1/2			12 x 9	5/8		
E "	60	10	8	10	60	10	5/8	5 1/4	3/8	3 1/2	Quad	1/2	3 1/2			12	5/8		
F "	58	13	9	10	58	13	5/8	5 1/4	3/8	3 1/2	5/8	3/8				12	5/8		
G "	45	15	10	10	45	15	5/8	5 1/4	3/8	3 1/2	Treble	1/2	3 1/2			9	Whole		
H "		8				8	Single	2 1/2	3/4	3	Double	3/4	2 1/2			5	Whole		
I Bridge...		9				9	5/8	2 1/2	3/4	3	5/8	2 1/2				5	Whole		
L Sides...																			
M "											Butts of A, B, C, D, E, G & H Chokes								
N "											quadruple riveted from stem to 3/4 length								
O "											aft. Butts of 7 Choke quadruple riveted								
P "											from stem to midships, above this Treble								
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges																			
of Sheerstrakes																			
of Strake below																			
POOP SIDES				7		7	Single	2 1/2	3/4	3	Double	3/4	2 1/2			5	Whole		
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES				7		7	Single	2 1/2	3/4	3	Double	3/4	2 1/2			5	Whole		
LENGTHS OF PLATING																			
Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c.?										Main Stringer Plate { Butts, treble riveted for Half length amidship. Straps, single, double or overlapped for whole length amidship.									
Steel plates, Corbett, Belshon Vaughan & Co & malleable.										Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted?									
Steel angles & bulbs, Corbett & Dorman Long & Co										Inner Bottom Plating, riveting of Edges Single Butts Double 1/2 length									
Has the Steel been tested as required by the Rules Yes										Centre Girder Butts, Treble lap riveted. Keelson Butts, riveted.									
										Frames, riveted through Plates with 7/8 in. Rivets, about 6 1/2 apart.									
										Rivets, state whether of Iron or Steel Iron.									
FRAMES extend in one length from Middle line to Land-side Plance to gunwale										state if ordinary or joggled? Joggled in									
REVERSED FRAMES on floors and frames extend from Middle line to main deck and stringer										state if ordinary or joggled? Cellular bottom									
MASTS, SPARS, &c.																			
DIAMETER AND THICKNESS.																			
At Partners. Heel. Hounds. Head.																			
No. of Plates in round.																			
ANGLES.																			
Number. Size.																			
RIVETING.																			
Seams. Butts.																			
LOWER MASTS....																			
Fore																			
Main																			
Mizen																			
Bowsprit																			
Topmasts, Yards and Remainder of Spars Pitch Pine.																			
Rigging, Material and Size, Shrouds G. Wire & manilla. Shrouds 3 1/2. Stays 3 3/4. Backstays 2 1/2.																			
Sails. One complete Suit of										Sails and the following spare sails									
Equipment No. 22574 Letter R										Tonnage U.Dk. or Plating No. for Trawlers									
ANCHORS.																			
Number of Certificate.																			
Anchors.																			
WEIGHT, EX STOCK																			
WEIGHT OF STOCK.																			
TEST, PER CERTIFICATE.																			
WEIGHT REQUIRED BY TABLE 22.																			
Description of Anchor.																			
Makers.																			
Where and when tested and Superintendent.																			
46422 1st Bower ..										Hartshorn's Patent G. Hartshorn's Ratherton									
46427 2nd ..										5/8 10-1-02									
46428 3rd ..										5/8 H. Green									
Collective weight										106 3 0 106 3 0 106 3 0									
23082 Stream										Common R. Sykes & Co. S. D. D. 8-1-02									
23081 Kedge										5/8 C. E. Perrins									
CHAIN CABLES.																			
HAWERS AND WARPS.																			
Number of Certificate.																			
Length and size supplied.																			
Length. Diam.																			
Test per Certificate.																			
Statutory. Breaking.																			
Tons. Tons.																			
WEIGHT OF CHAIN CABLE.																			
Supplied. Per Table 22.																			
Length. Diam.																			
Description.																			
Makers of Cables.																			
When and where tested and Superintendent																			
Material.																			
Length and size supplied.																			
Length. Cir.																			
Breaking Test of Steel Wire Towline.																			
Length and size per Table 22.																			
Length. Cir.																			
23097 240 1 1/2 7 1/2 5 1/2										370-2-2370-1-22 240 1 1/2 7 1/2 5 1/2									
Iron Stream Chain or Steel Wire.....										75 4 33 75 4 Steel Craven Speeding Bros									
Boats Two Life Boats (24 feet x 20 feet) & Dingy (18 feet)																			
Pumps, Number Hydraulic pump connected to suction in each hold, and Hand pump on top of fore hold										State whether they are in efficient working order Yes									
Windlass is Emerson Wainder & Co (Steam) Capstan Four Steam Winches																			
Engine Room Skylights.—How constructed? Steel plates and angles																			
What arrangements for deadlights in bad weather? Teak flaps with Bull's eyes																			
Coal Bunker Openings.—How constructed? Steel plates & angle How are lids secured? Hatch bars										Height above deck? Bridge 12 1/2 x 40 1/2									
Number of Scuppers, and number and dimensions of Freeing Ports, &c. Four Freeing Ports before Bridge and four abaft (30 x 20)																			
Ceiling in Holds, thickness and material 2 1/2 Pine										Cargo Battens, thickness and material 2 Pine									
Cargo Hatchways.—How formed? Steel plates and angles										Hatches.—If strong and efficient? 2 1/2 Fir									
State size No. 1 Hatch (Forward) 22'-0" x 16'-0" No. 2 Hatch 22'-0" x 16'-0" No. 3 Hatch 24'-0" x 16'-0" No. 4 Hatch 22'-0" x 16'-0"																			
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch Two Web Plates and three wood, one in fore and one in aft																			
No. of Breasthooks Six										No. of Crutches Three									
Bulwarks. height above deck and description 4 1/2 Steel plates and stanchions Main Rail and Stays, material and size Bulw angle 6 x 3 x 8/20																			
The above is a correct description.										Surveyor's Signature									
Builder's Signature (here only) Craig Taylor										Surveyor to Lloyd's Register of British and Foreign Shipping.									

Correspondence. State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

9th May (H) + 30th August 1901 (E)

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

Is the riveted work properly closed? Yes

Are the liners between the frames and plates solid single pieces? Yes

to plate, &c., conform well to each other? Yes

from the faying surfaces? Yes

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

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? Yes

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes

General Remarks (State quality of workmanship, &c.) This steel crew steamer has been built in accordance

with the approved plans of Midships Section and Profile as amended, the

Secretary's letters of the above-mentioned dates bearing upon the case and

in other respects as required by the Rules and circulars for the class contemplated

The workmanship is good.

The Bower anchors are Hartshornes Patent stockless and their cast-steel

heads have been subjected to drop and mechanical tests at Tipton by Mr

C. E. Perrins.

She has a Bilge Keel formed of bull 9 $\frac{1}{2}$ " x 9 $\frac{1}{2}$ " and tee bar 6" x 4" x 10 $\frac{10}{16}$ " fitted

for a length of about ninety feet.

This is a similar vessel to the steamers "Eleanora Mail" + "North Sea"

Now Reports No 2514 + 2681.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 26.75 ft., R.Q.D. or Break ft., Bridge Dk. 68 ft., F'castle 26.5 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

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 AN (all) 1 tier of Beams + Rib frames.

Official No. ; Signal Letters State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Painted with Green enamel cement paint Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular system.

Where fitted. *Length. Water Capacity. Where fitted. *Length. Water Capacity.

Double bottom, aft, 82 153 Fore peak tank, 19.5 143

Double bottom, under Engines and Boilers, 20 48 After peak tank, 14 92

Double bottom, if under Engines only, Deep tank, aft, Deep tank, forward, Other tanks, if fitted,

Double bottom, if under Boilers only, 100 215 (If necessary, furnish further information by sketch.)

Double bottom, forward, 416 State whether the above have been tested as required by the Rules Yes.

The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 542

Date 30 . 5 . 01

No. 82 in builder's yard.

1901 June 20.21.23.24.29. July 4.5.9.11.16.19.23.25.29. Aug 1.2.6.7.12.14.15.26.29.

Sept 2.6.10.11.12.16.18.19.20.24.25.30. Oct 3.8.10.14.11.17.18.22.24.28.30. Nov 4.8.15.20.23.28.

Dec 4.6.7.10.11.17.19.20.21.24.27. 1902 Jan 6.10.20.21.24.28.29.31 Feb 1.3.4.6.11.

13.17.19

Total No. of Visits 79

The amount of Entry Fee £ 4 : 0 : 0

Special £ 70 : 7 : 6

Travelling Expenses, if any £ - : - : -

Fees applied for, 25.2.1902

Received by me, 25.2.1902

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100A1 Steel. L.A.T.C.P.

With, or without Freeboard, as condition of Class

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

Committee's Minute

Character assigned

100A1 Steel

Lloyd's Register

+ LMC 2, 02

Wicham, 8/3/02.

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Lloyd's Register

Foundation