

3 Decks.

IRON OR STEEL STEAMER.

No. 14620

State if Report is also sent on the Machinery of the Vessel

Date of completion of report

18th August 1896

Port of

Glasgow

Received at London Office

THUR AUG 20 1896

Date, First Survey

11th Nov. 1896

Last Survey

14th August 1896

1896

La Plata

Rig Schooner

Under Deck...
Tonnage...
and 4th L.E.
or Upper Dk.

2794.09

THREE DECKED VESSEL.

CLASS 100 A1

FEET.

Master (temporary) W. H. Owen

Year of appointment

(1) As Master in service of
owner of present vessel: 1893
(2) As Master of this
vessel: 1896

Built at Glasgow

When built 1896 Launched 28 May 96

By whom built R. Napier & Sons Ltd

Owners Royal Mail Steam Packet Co

Managers

(Where necessary to be entered in Reg. Book.)

Residence London

Port belonging to Glasgow

Poop 45.45

Bridge House 294.51

Forecastle 59.83

Houses on Dk 108.19

Access of Hatchways

Crown of

Room

Tonnage 3320.06

Crew Space 151.53

above Crown of

gine Room

ONNAGE FOR FEES 3148.53

Less Engine Room 1056.02

Less Navigation Spaces 25.17

Register Tonnage 2067.34

as out on Beam

Half Breadth (moulded) 21.89

Depth from upper part of Keel to top of Upper Deck Beams 28.12

Girth of Half Midship Frame (as per Rule) 46.75

deduct 7 feet 7.0

1st Number 89.76

Length 343.34

2nd Number 30818

Proportions—Breadth to Length 7.84

Depth to Length—Upper Deck to top of Keel 12.2

Main Deck ditto 17.06

Destined Voyage Brazil via Southampton If Surveyed while Building, Afloat, or in Dry Dock Yes

LENGTH on Deck as per Rule	Feet. 343	Inches. 4	BREADTH— Moulded	Feet. 43	Inches. 9 1/2	DEPTH top of Floors to Upper Deck Beams Do. do. Main Deck Beams	Feet. 24 1/4	Inches. 7 1/4	Power of Engines	Horse. 500	No. of Decks with flat laid	3
Dimensions of Ship per Register, Length 345.7, breadth 44.1, depth 24.6, Moulded depth, ft. 27 ins. 2 3/4 To Upper Dk. Round up of Beam, Upper Dk. } 10 1/2 ins.												
FRAMING.						FORGINGS or CASTINGS.						
FRAME, Angles, or Bars for 1/2 length amidships						KEEL, Bar or Side Plates, depth and thickness						
Do. for 1/2 at each end						STEM, moulding and thickness						
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.						
Do. at intermdt. Dkts.						" for Propeller						
Distance of Frames from moulding edge to moulding edge, all fore and aft						MAIN PIECE of Rudder, diameter at head						
REVERSED FRAME, Angles						" do. at heel						
DEEP FRAMING, depth of girder No. 2 Hold						RUDDER, how constructed						
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						Can the Rudder be unshipped afloat?						
" in way of Engines and Boilers						KEELSONS & STRINGERS.						
" thickness at the ends of vessel						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate						
" depth at 1/2 the half breadth, as per Rule						" Rider Plate						
" height extended at the Bilges						" Bulb Plate to Intercostal Keelson						
FLOORS & BRACKETS in Cell Dble Bottoms						" Horizontal Plates on Floors						
" Distance apart						" Angles						
CENTRE GIRDER, in Double bottom, depth and thickness						SIDE KEELSON, Angles						
" Angles, Top						" Bulb or Plate above floors, for						
" Bottom						" Intercostal Plate, for						
SIDE GIRDERS, number and thickness						" Attached to outside Plating with Angle						
" Angles						BILGE KEELSON, Angles						
MARGIN PLATE, depth (exclusive of flange) and thickness						" Bulb or Plate above floors, for						
" Angles						" Intercostal Plate for						
INNER BOTTOM PLATE, breadth and thickness of Middle Line Strake						" Attached to outside Plating with Angle						
" in Engine and Boiler space						BILGE STRINGER Angles						
" Remainder in Holds						" Bulb Plate for						
BEAMS, Upper Deck, Angle, Bulb, Angle, Plate or Tee Bulb						" Intercostal Plate for						
" Angles on edge						" Attached to outside Plating with Angle						
" Average space						SIDE STRINGERS Angles						
BEAMS, Middle Deck, Angle, Bulb, Angle, Plate or Tee Bulb						" Bulb or Intercostal Plate, for						
" Angles on edge						" Attached to outside plating with Angle						
" Average space						Upper Deck Stringer Plates, br'dth & thickness						
BEAMS, Lower Deck, Angle, Bulb, Angle, Plate or Tee Bulb						" Angle on ditto						
" Angles on edge						" Tie Plates fore and aft, outside Hatchways						
" Average space						" Deck * Iron or Steel, for						
BEAMS, Hold or Orlop Plate or Tee Bulb						" Wood Deck. Material & thickness						
" Angles on upper edge						Middle Deck Stringer Plate, br'dth & thickness						
" Average space						" Angles on ditto, No.						
BEAMS, Poop Deck, Angle, Bulb, Angle, Plate or Tee Bulb						" Tie Plates outside Hatchways						
" Angles on upper edge						" Diagonal Tie Plates on Bms. No. of prs.						
" Average space						" Deck * Iron or Steel, for						
BEAMS, Bridge Deck, Angle, Bulb, Angle, Plate or Tee Bulb						" Wood Deck. Material & thickness						
" Angles on upper edge						Lower Deck Stringer Plate, br'dth & thickness						
" Average space						" Angles on ditto, No.						
BEAMS, Forecastle Deck, Angle, Bulb, Angle, Plate or Tee Bulb						" Tie Plates outside Hatchways						
" Angles on upper edge						" Deck. Material and thickness						
" Average space						Hold, or Orlop Stringer Plate, br'dth & th'kns						
BEAMS, In 'tween Deck, size and spacing						" Angles on ditto, No.						
" Hold						" Tie Plates outside Hatchways						
" Quarter 'tween Dks.,						" Deck. Material and thickness						
" in Hold						Poop Deck Stringer Plate, breadth & thickness						
BE-FRAMES, In Fore Body, No. and spacing						" Angle on ditto						
" br'dth. & thickness						" Tie Plates						
" No. of Side Stringers						" Deck. Material and thickness						
WEB-FRAMES, In E. & B. Space, No. & spacing						Bridge Deck Stringer Plate, br'dth & thickness						
" br'dth. & thickness						" Angle on ditto						
" No. of Side Stringers						" Tie Plates						
" Size of Angles or Tee Bars to Web-Frames						" Deck. Material and thickness						
BRACKET PLATES to Stringers between Web Frames, depth and thickness						Forecastle Deck Stringer Plate, br'dth & th'kns						
						" Angle on ditto						
						" Tie Plates						
						" Deck. Material and thickness						
						BULKHEADS.						
						STIFFENERS.						
						Single or Double Frames.						
						Height up.						
						W. T. BULKHEADS						
						PARTITION						
						LONGITUDINAL						
						Are the outside Plates doubled two spaces of Frames in length?						

14620 gals.

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		Lower EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Diam.	Spacing or to cr.			Diam.	Spacing or to cr.		Breadth.	Thickness.	Breadth.	For what Length.		
FLAT PLATE KEEL (If Bar Keel, state Riveting)																			
GARBOARD OR A Strake	46	13	12	12	36	13	Double	1 1/8	5 1/2	Reeled	Double all	7/8	3 1/2	16 3/4	17	-	-	-	-
State actual thickness in way of Double Bottom.	B	11	9	9	11	11	Double	5/4	7/8	3 3/4	"	"	"	"	"	9	Full	"	"
	C	11	9	9	11	11	"	"	"	"	"	"	"	"	"	"	"	"	"
	D	11	9	9	11	11	"	"	"	"	"	"	"	"	"	"	"	"	"
	E	12	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"	"	"
	F	12	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"	"	"
	G	12	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"	"	"
	H	12	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"	"	"
	J	12	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"	"	"
	K	12	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"	"	"
	L	12	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"	"	"
	M	14	9	9	14	14	"	"	"	"	4 fold 3/4	1	3 1/2	-	-	14	"	"	
Sheer or	N	46	16	10	10	45 1/4	16	"	6	1	4	Double all	1	3 1/2	19	10	outside shape	20 5/8	
	O																		
	P																		
	Q																		
	R																		
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges at ends of bridge & for 3/4 length																			
of Sheerstrakes for aft in way of side scuttles 14																			
of Strake below																			
POOP SIDES upper strake = 7																			
BRIDGE SIDES 8																			
FORECASTLE SIDES 7																			
Manufacturer's name or trade mark of the Iron & Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. ? Siemens Process																			
Steel plates - Clydebridge, Dalzell																			
" angles - Lanarkshire Dalzell																			
" Bulb Tees - Dalzell																			
Iron plates - Stockton Iron Co. J. Hill & Co																			
Upper Deck Butts, treble riveted for half length amidship.																			
Stringer Plate Straps, single, double or overlapped for full length amidship.																			
Middle Deck Butts, treble riveted for full length amidship.																			
Stringer Plate Straps, single, double or overlapped for full length amidship.																			
Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted ? 7 & D																			
Inner Bottom Plating, riveting of Edges Double & single Butts Double																			
Centre Girder Butts Double riveted Keelson Butts, Treble riveted.																			
Frames, riveted through Plates with 7/8 in. Rivets, about 6 1/4 apart.																			
Rivets, state whether Iron or Steel Iron																			
FRAMES extend in one length from margin plate to upper, poop bridge & fore-castle decks																			
REVERSED FRAMES on floors and frames extend from margin plate to upper & middle & fore-castle decks alternately all to upper deck abaft aft peak Bk. In No. 2 hold all to upper deck. Double under Engines & Boilers																			
MASTS, SPARS, &c.																			
Material, Total Length, DIAMETER AND THICKNESS, No. of Plates in round, ANGLES, RIVETING.																			
Fore Mast, Main Mast, Mizen Mast, actual length of masts 8 to 10 ft less than above (see mast plan)																			
Topmasts, Yards and Remainder of Spars Pitch pine																			
Rigging, Material and Size, Shrouds 4" gal. steel wire																			
Stays 4 1/2 gal. steel wire																			
Sails, one Suit of fore & aft Sails, and the following spare sails one suit																			
EQUIPMENT No. 35258 LETTER V																			
ANCHORS.																			
Number of Certificate, Anchors, WEIGHT, EX. STOCK, WEIGHT OF STOCK, TEST, PER CERTIFICATE, WEIGHT REQ. BY RULE, Description of Anchor, Makers, Where and when tested and Superintendent.																			
37804 1st Bower ... 43 3 9 6 1 8 38 10 2 4 38 ... Halls Cast Steel																			
37801 2nd " ... 41 1 8 10 1 15 36 14 2 2 38 ... Head & Stock																			
37805 3rd " ... 38 2 6 6 1 11 34 17 3 7 32 1 - Rodgers																			
Collective weight 123 2 23 108 1 - Halls Cast Steel																			
37802 Stream ... 12 1 1 3 - 14 4 - 7 11 2 - ordinary																			
37803 Kedge ... 5 3 22 1 1 27 8 5 - 5 3 - Do																			
2nd Kedge ... certificates produced for cast steel heads & stocks																			
CHAIN CABLES.																			
Number of Certificate, Fathoms, Size, Test per Certificate, WEIGHT OF CHAIN CABLE, Fathoms and Size per Rule, Description, Makers of Cables, When and where tested, and Superintendent, Material, Fathoms, Size, Breaking Test of Steel Wire Towline, Fathoms and Size per Rule.																			
25373 135 2 1/2 81 1/4 313-0-4 304-1-7 135-2 16 stud N. Hingley & Co. With 28/96 H. Green																			
25374 135 2 1/2 81 1/4 314-3-10 304-1-7 135-2 16 Do Do 28/96 Do																			
24866 Iron Stream Chain or Steel Wire ... 90 1 3/4 38 1/4 67-1-23 165-0-16 90-1 3/4 Do Do 29/96 Do																			
Boats 7 Life Boats & 1 cutter																			
Pumps, Number Eleven Diameter of Barrel and Tail Pipe 6 x 3 forepeak 3 1/2 x 1 1/2																			
Windlass is steam Napier Bros Capstan Two on poop one on Fore-castle																			
Engine Room Skylights - How constructed ? Teak on 7 ft casing above Bridge deck																			
What arrangements for deadlights in bad weather ? Galv. gratings																			
Coal Bunker Openings - How constructed ? Plates & angles & cast iron How are lids secured ? Cleats & buttons & clutches Height above deck ? 18" & flush																			
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scuppers 7 pr. 7" Ports 4 pr. 32 1/2" x 21"																			
Ceiling in Holds, thickness and material 2 1/2 R.P. Ceiling 'tween Decks, thickness and material 2" R.P.																			
Cargo Hatchways - How formed ? Plates & angles - 24" Coaming Hatches, If strong and efficient ? 3 teak gratings																			
State size No. 1 Hatch (Forward) 12 x 8 No. 2 Hatch 19' 9" x 12' No. 3 Hatch 8 ft x 16 ft broad No. 4 Hatch inside 8 x 7' 6"																			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 7/8 x 5 - 1 beam & 1 x 2 7/8 x 2 - 1 web 3 pr. 7/8 x 3 1/2 x 2																			
No. 4 - 1 ft x 2 each No. of Breasthooks Three No. of Crutches Deep floors & flats																			
Bulwarks, height above deck and description 4' 3" Steel plates Main Rail, material and size 7 x 3 Bulb angle																			
The above is a correct description. NAPIER & SONS, Limited.																			
Builder's Signature (there only) James Hamilton																			
Surveyor's Signature W. H. Cooper																			
Surveyor to Lloyd's Register of British and Foreign Shipping.																			

Form No. 1E.

14620 gcs.

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

M 2/11/95, 8/11/95, 18/11/95, 3/12/95, 11/12/95, 21/1/96, 17/3/96, 24/3/96, 30/6/96

E. 4/3/96

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

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 plating?

a few

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

yes

General Remarks (State quality of workmanship, &c.)

Workmanship good

This vessel has been built in accordance with the approved Midship Section forwarded to London 13/8/96, the plans herewith (10) the Secretary's letters of the above dates and in general conformity to the Rules for the class contemplated.

The peak B.M., weather decks, gutterwaterways & pumps have been tested as required & found satisfactory. The sluices & W.T. doors have been worked & found in order.

The Bulkheads have been fitted to meet the recommendations of the Bulkhead Committee. Part of the lower tween decks in Nos 1 & 4 holds is insulated. Refrigerating machinery, one Eng. on each side of engine room, J & E. Hall's carbonic anhydride system. Brine insulation charcoal. An electric lighting installation has been fitted.

Length of forward cold chamber (internal) 23 ft. Capacity 2630 cub. ft.

Do do after do do (do) 4 1/2 ft. do 4386 " "

2 Forging Reports

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30 ft., R.Q.D. or Break ✓ ft., Bridge Dk. 96 ft., F' castle 42.25 ft. (in feet and tenths). When the Poop 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) 3 Dks (12 pl. str. ms.) U. SK T.S.

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside

Paint & Cement

Outside

Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

yes

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	68	84	Fore peak tank, Fresh water in 2 tanks	14	42 1/2
Double bottom, forward,	11 1/2	260	After peak tank, Fresh water	8	14
Double bottom, under Engines and Boilers, & Gross Pumpers	7 1/2	216	Midship deep tank	✓	✓
Double bottom, if under Engines only,	✓	✓	Other tanks, if fitted,	✓	✓
Double bottom, if under Boilers only,	✓	✓	(If necessary, furnish further information by sketch.)	✓	✓

State whether the above have been tested as required by the Rules

yes

Order for Special Survey No. 2890

Date 7th Nov 1895

Order for Ordinary Survey No. ✓

Date ✓

No. 449 in builder's yard

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.
- 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.

1895 Nov. 11, 12, 15, 19, 22, 27, 29. Dec. 2, 3, 4, 5, 6, 10, 13, 17, 19, 23, 27. 1896 Jan. 9, 16, 20, 21, 23, 27, 30. Feb. 3, 6, 10, 12, 14, 19, 21, 25, 28. Mar. 2, 4, 6, 12, 17, 20, 24, 26, 30, Apr. 2, 7, 13, 15, 17, 21, 23, 27, 29. May 1, 5, 7, 11, 13, 18, 19, 21, 22, 25, 28, 29. June 2, 3, 5, 9, 16, 19, 23, 26, 30. Total No. of Visits 88

The amount of Entry Fee.....£5 : : :

Special Survey Fee ...£10 1/2 : 14 : 6

Travelling Expenses, if any £ : : :

Fees applied for,

11/8/ 1896

Received by me,

13/8/ 1896

Certificate to be sent to

Glasgow.

I am of opinion this Vessel should be Classed

+ 100A1 "Steel"

With, or without Freeboard, as condition of Class ✓

W. H. Cooper

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

Committee's Minute

FRI. AUG 21 1896

Character assigned

100A1 Steel

2 a x c p
+ 2 m c 8, 96
7. D.

2 Dks (1 pl. str. ms.) - w & u s u - Teaks
3 to B.

[Signature]



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Lloyd's Register

Foundation

GL5175 - 0275 (2/2)