

3 Decks.

IRON OR STEEL STEAMER.

WFD 19 MAY 1901

Received at London Office

Date of completion of report

Survey held at

On the

TONNAGE under

Tonnage Deck...

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop (A.R.T.)

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room ...

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room ...

TONNAGE FOR FEES..

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam ...

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

Port of

GREENOCK.

No. 15578.

Date, First Survey

13th Sept 1900

Last Survey

11th May

1900

THREE DECKED VESSEL.

CLASS 100 A.1.

Half Breadth (moulded)

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

Girth of Half Midship Frame (as per Rule)

1st Number

Length on deck from after part of stem to fore part of

2nd Number

Proportions—Breadth to Length

Depth to Length—Upper Deck to top of Keel

Destined Voyage

Buenos Ayres

Surveyed while Building

Afloat, or in Dry Dock

Master G. H. MOORE

Year of appointment

Built at PORT GLASGOW

When built 1909 Launched 12th April 1909

By whom built RUSSELL & CO.

Owners THE WING STEAMSHIP CO. LTD.

Managers N. HALLETT & CO.

Residence 99 EXCHANGE BUILDING CARDIFF

Port belonging to LONDON

LENGTH on Deck	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH, ACTUAL	Feet.	Inches.	No. of Decks with flat laid
as per Rule	328	8	Moulded	48	9	Top of Floors to top of Upper Dk. Beams	21	10 3/4	ONE
						Do. do. do. do. Main Dk. Beams			ONE

Dimensions of Ship per Register, Length 331.5 breadth 49.0 depth 21.8. Moulded depth, ft. 24 ins. 3 1/2 To Upper Dk. Round of Upper Dk. Beam, Actual 12 1/4 ins.

FRAMING.						FORGINGS OR CASTINGS.						Inches in Ship.		Inches per Rule. Or as Approved.	
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, or $\overline{\text{H}}$ or $\overline{\text{L}}$ Bars for $\frac{1}{2}$ length amidships	10	3 1/2	13	10	3 1/2	13	KEEL, Bar or Side Plates, depth and thickness	11 x 2 3/4	11 x 2 3/4	11 x 2 3/4	11 x 2 3/4	11 x 2 3/4	11 x 2 3/4	11 x 2 3/4	11 x 2 3/4
Do. for $\frac{1}{2}$ at each end	10	3 1/2	11	10	3 1/2	11	STEM, moulding and thickness	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	8-7	3 1/2	3 1/2	8-7	STERN-POST for Rudder do. do.	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2
" " " at intermdt. Bkts.	5 1/2	3 1/2	9-8	5 1/2	3 1/2	9-8	" " for Propeller	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2
Spacing of Frames from centre to centre	24			24			MAIN PIECE of Rudder, diameter at head	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
REVERSED FRAME, Angles, in Peaks	4	3 1/2	8	4	3 1/2	8	" " do. at heel	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
DEEP FRAMING, depth of girder	10			10			RUDDER, how constructed	BUILT IRON FRAME & SINGLE PLATE 30/20							
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships							Can the Rudder be unshipped afloat?	YES							
" " in way of Engines and Boilers							KEELSONS & STRINGERS.								
" " thickness at the ends of vessel							CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate								
" " depth at $\frac{1}{2}$ the half breadth, as per Rule							" " Rider Plate								
" " height extended at the Bilges							" " Bulb Plate to Intercoastal Keelson								
FLOORS & BRACKETS in Cell Dble Bottoms	41	8		41	8		" " Horizontal Plates on Floors								
" " state if flanged (top & bottom)							" " Angles								
" " Spacing	24	48		24	48		SIDE KEELSON, Angles								
CENTRE GIRDER, in Double bottom, depth and thickness	41	10		41	10		" " Bulb or Plate above floors, for								
" " Angles, Top	3 1/2	3 1/2	10	3 1/2	3 1/2	10	" " Intercoastal Plate, for								
" " Bottom	4 1/2	4 1/2	12	4 1/2	4 1/2	12	" " Attached to outside Plating with Angle								
SIDE GIRDERS, number on each side & thickness	THREE	8	THREE	8			BILGE KEELSON, Angles, A.T. ENDS	6	4	10	6	4	10		
" " state if flanged (top and bottom)							" " Bulb or Plate above floors, for								
" " Angles, TA. FARRARS	3	3	8	3	3	8	" " Intercoastal Plate for								
MARGIN PLATE, depth (exclusive of flange) and thickness	46	9		32 1/2	9		" " Attached to outside Plating with Angle	3 1/2	3 1/2	7	3 1/2	3 1/2	7		
" " Angles to Outside Plating	FLANGED TO OUTSIDE PLATING						1. BILGE STRINGER Angles	6	4	12-10	6	4	12-10		
" " Floors	5	3 1/2	8	5	3 1/2	8	" " Bulb Plate for								
" " Height of Floors at the Bilges	78			78			" " Intercoastal Plate for								
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	54	10		41	10		" " Attached to outside Plating with Angle	3 1/2	3 1/2	8-7	3 1/2	3 1/2	8-7		
" " in Engine and Boiler space	10-11			10-11			2. SIDE STRINGER Angles	6	4	12-10	6	4	12-10		
" " Remainder in Holds	9-8-7			9-8-7			" " Bulb or Intercoastal Plate, for								
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	7 x 3 x 3	9	7 x 3 x 3	9			" " Attached to outside plating with Angle	3 1/2	3 1/2	8-7	3 1/2	3 1/2	8-7		
" " Angles on upper edge							Upper Deck Stringer Plates, br'dth & thickness	47	12	47	12				
" " Spacing	24			24			" " Angle on ditto	4 1/2 x 4 1/2	10	4 1/2 x 4 1/2	10				
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							" " Tie Plates, outside Hatchways								
" " Angles on upper edge							" " Deck, * Lower Steel, for								
" " Spacing							" " Wood Deck, Material & thickness	9/16 STEEL	8-7		8-7				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							Middle Deck Stringer Plate, br'dth & thickness								
" " Angles on upper edge							" " Angles on ditto, No.								
" " Spacing							" " Tie Plates outside Hatchways								
BEAMS, Hold, or Orlop, Plate or Tee Bulb							" " Diagonal Tie Plates, No. of pairs								
" " Angles on upper edge							" " Deck, * Iron or Steel, for								
" " Spacing							" " Wood Deck, Material & thickness								
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 x 3 1/2 x 3 1/2	9	8 1/2 x 3 1/2 x 3 1/2	10			Lower Deck Stringer Plate, br'dth & thickness								
" " Angles on upper edge							" " Angles on ditto, No.								
" " Spacing	48			48			" " Tie Plates outside Hatchways								
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	8	5 1/2	3	8	" " Diagonal Tie Plates, No. of pairs								
" " Angles on upper edge							" " Deck, * Iron or Steel, for								
" " Spacing	24			24			" " Wood Deck, Material & thickness								
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 x 3 1/2 x 3 1/2	8	8 1/2 x 3 1/2 x 3 1/2	9			Hold, or Orlop Stringer Plate, br'dth & thickness								
" " Angles on upper edge							" " Angles on ditto, No.								
" " Spacing	48			48			" " Tie Plates outside Hatchways								
CLARS, In, tween Deck, size and spacing	2 1/4	48		2 1/4	48		" " Deck, Material and thickness								
" " Hold INCREASED AT ENDS	4	48		4	48		Poop Deck Stringer Plate, breadth & thickness	32	7	32	7				
" " Quarter, tween Dks.							" " Angle on ditto	3 1/2 x 3 1/2	7	3 1/2 x 3 1/2	7				
" " in Hold							" " Tie Plates								
WEB-FRAMES, In Fore Body, No. and spacing							" " Deck, Material and thickness	STEEL	6		6				
" " br'dth. & thickness							Bridge Deck Stringer Plate, br'dth & thickness	40	9	40	9				
WEB-FRAMES, In E. & B. Space, No. & spacing	Two		Two				" " Angle on ditto	4 x 4	10	4 x 4	10				
" " br'dth. & thickness	22	8		22	8		" " Tie Plates								
WEB-FRAMES, In After Body, No. and spacing							" " Deck, Material and thickness	STEEL	7		7				
" " br'dth. & thickness							Forecastle Deck Stringer Plate, b'dth & th'kns	32	7	32	7				
" " No. of Side Stringers							" " Angle on ditto	3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8				
" " Size of Angles or Tee Bars to Web-Frames	4	3 1/2	8	4	3 1/2	8	" " Tie Plates								
BRACKET PLATES to Stringers between							" " Deck, Material and thickness	P.P.	3 1/2		3				
Web-Frames, depth and thickness															

BULKHEADS.

Number in Vessel.

Thickness.

STIFFENERS.

Single or Double Frames.

Height up.

W. T. BULKHEADS

PARTITION

LONGITUDINAL

Are the outside Plates doubled two spaces of Frames in length?

Are the Stiffeners and Watertight Doors in efficient working order?

YES.

W402-0002

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.			
	AMIDSHIP.		FORWARD.		AFT.		ORDINARY.		ORDINARY.		BUTTS.		IF LAPPED.	
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.
FLAT PLATE KEEL	46	20	13	13	46	20	DOUBLE	6	1	4	DOUBLE	1	3 1/2	14
GARBOARD OR A STRAKE	61	14	12	12	61	14	"	6 1/2	1 1/8	3 1/2	"	4	"	"
B	64	12	9	9	64	12	"	5 1/4	7/8	3 1/2	"	3 1/2	"	12
C	64	12	9	9	64	12	"	"	"	"	"	"	"	"
D	64	12	10	10	64	12	"	"	"	"	"	"	"	"
E	60	13	10	10	60	13	"	"	"	"	"	"	"	"
F	56	13	10	10	56	13	"	"	"	"	"	"	"	"
G	64	12	9	9	64	12	"	"	"	"	"	"	"	"
H	64	12	9	9	64	12	"	"	"	"	"	"	"	"
J	64	14	9	9	64	14	"	"	"	"	1	4	"	14
K	44	15	10	10	44	15	"	"	"	"	"	"	"	"
L	J. STRAKE 13/20 IN WAY OF BRIDGE. K. STRAKE 13/20 IN WAY OF BRIDGE.													
M	MIDSHIP THICKNESS OF B. AND C. STRAKES MAINTAINED TO COLLISION BULKHEAD.													
N	AFTER LENGTHS OF PLATING CONNECTED TO THE STERN FRAME ARE OF THE MIDSHIP THICKNESS, EXCEPT THE BOSS PLATES AND PLATES ABOVE AND BELOW SAME WHICH ARE 3/20 THICKER.													
O	FRAMES IN DOUBLE BOTTOM DOUBLED FROM THE 3/5 LENGTH FORWARD TO GUNWALE BULKHEAD AND ADDITIONAL INTERCOSTALS FITTED FOR SAME DISTANCE.													
P														
Q														
R														
S														
DOUBLING OF PLATE KEEL	Length of Bilges and thickness of Strakes below DOUBLED FOR 20'-0" AT EACH END OF BRIDGE													
POOP SIDES	7				7				SINGLE 3 3/4 3				DOUBLE 3/4 2 7/8 5 WHOLE	
BRIDGE SIDES	12x11				12x11				DOUBLED 5 1/4 7/8 3 1/2				TREBLE 7/8 3 1/2 9	
FORECASTLE SIDES	8				8				SINGLE 3 3/4 3				DOUBLE 3/4 2 7/8 5	

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, Plating, &c.?
SIEMENS MARTIN PROCESS FROM BEARDMORE, LANARKSHIRE, STEEL COY GLENGARNOCK, DALZELL, CALDERBANK & CLYDESDALE

Has the Steel been tested as required by the Rules? **YES**

FRAMES extend in one length from **CENTRE LINE** to **MARGIN PLATE THENCE TO GUNWALE** State if ordinary or joggled **JOGGLED**

REVERSED FRAMES on floors and frames extend from **CENTRE LINE TO MARGIN PLATE, DOUBLE** State if ordinary or joggled **JOGGLED**

ON FLOORS IN ENGINE SPACE & UNDER BOILER STOWS. ALL TO UPPER DECK IN PEAKS, ALTERNATELY TO FLOOR DECK (BULB ANGLE FRAMING)

MASTS, SPARS, &c.

LOWER MASTS.	Fore	Main	Material.	Total Length.	DIAMETER AND THICKNESS				No. of Plates in Round.	ANGLES.		RIVETING.	
					At Partners.	Heel.	Round.	Head.		Number.	Size.	Seams.	Butts.
Fore	STEEL	48-6	20x7/20	20x7/20	17x4/20	Two	✓	✓	SINGLE	TREBLE			
Main	"	57-0	"	"	16x7/20	"	✓	✓	"	"			

Topmasts, Yards and Remainder of Spars **PITCH PINE**

Rigging, Material and Size, Shrouds **G.S.W. 3/4**

Sails. **ONE** Suit **ONE** Stays **G.S.W. 4.**

Sails and the following spare sails

EQUIPMENT No. 33889 LETTER V

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EE STOCK.		WEIGHT REQUIRED BY TABLE 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	Cwts.	qrs.			
11479	1st Bower	49	0	41	15	0	0	STOCKLESS
11480	2nd "	48	3	41	15	0	0	Do
11481	3rd "	41	3	36	19	1	4	Do
	4th "	39	2	36	19	1	4	Do
	Collective weight	139	2	139	0	0		
34648	Stream	13	0	14	15	0	0	ORDINARY
34647	Kedge	6	3	8	0	2	14	Do

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE		Length and size per Table 22.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
			Supplied.	Per Table 22.				
35598	135' 2"	72	100.8	274.0	3.0	270	2	STOCKLESS
35599	135' 2"	72	100.8	274.0	3.0	270	2	Do
	270'	72	100.8	274.0	3.0	270	2	Do
	90' 4 1/2"	39	54.7	149		90	4 1/2	S.W. WEBSTER

HAWSERS AND WARPS

Number of Certificate.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 22.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
35598	135' 2"	72	100.8	274.0	3.0	270
35599	135' 2"	72	100.8	274.0	3.0	270
	270'	72	100.8	274.0	3.0	270
	90' 4 1/2"	39	54.7	149		90

Boats **FOUR**

Pumps, Number **DOWNTON PUMP TO HEAD. HAND PUMP TO FORECASTLE** Diameter of Barrel **DOWNTON 5** State whether they are in efficient working order **YES**

Windlass is **OF STEEL BY EMERSON WALKER & HOBBS** **Captain 6 STEEL WINCHES**

Engine Room Skylights—How constructed? **OF STEEL PLATES AND ANGLES.**

What arrangements for deadlights in bad weather? **STEEL SHUTTERS AND BULLS EYES.**

Coal Bunker Openings—How constructed? **OF STEEL.** How are lids secured? **BUTTERFLY CLIPS.** Height above deck? **9' BULB ANGLE**

Number of **Scuppers**, and numbers and dimensions of **Freeing Ports, &c.** **FIVE SCUPPERS & FOUR FREEING PORTS AROUND SIDE 28"x20"**

Ceiling in Holds, thickness and material. **2 1/2" W.P. OVER BILGE & 4" W.P. OVER CARGO BATTENS, thickness and material 2" W.P.**

Cargo Hatchways—How formed? **OF STEEL PLATES AND ANGLES.** Hatches, If strong and efficient? **YES. 3 SOLID**

State size **No. 1 Hatch (Forward) 24-0 x 18-0 x 36. No. 2 Hatch 26-0 x 18-0 x 36. No. 3 Hatch 26-0 x 18-0 x 30. No. 4 Hatch 24-0 x 18-0 x 30.**

Number of **Web Plates, Shifting Beams and Fore and Afters** to each Hatch **FOUR IN NOS 1 & 4. HATCHWAYS FIVE IN NOS 2 AND 3.**

HATCHWAYS. No. of Breasthooks **FIVE** No. of Crutches **DEEP FLOORS.**

Bulwarks, height above deck and description **46 x 7/20 STEEL BULB STRIPS 7 x 7/20** Main Rail, material and size **BULB ANGLE 6 x 3 x 7/20**

The above is a correct description.

Builder's Signature **For Russell & Co.** Surveyor's Signature **J. French** 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).
N. 9908 19/9/08 14/9/08 14/10/08 E. 15/10/08

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? **FRAMES JOGGLED** 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**

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** State results of tests **SATISFACTORY**

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? **YES** State results of tests **SATISFACTORY.**

General Remarks (State quality of workmanship, &c.) **THIS VESSEL HAS BEEN BUILT IN ACCORDANCE WITH THE RULES AND APPROVED PLANS.**

THE QUALITY OF THE MATERIAL AND WORKMANSHIP IS GOOD

THE KEEL WAS SIGHTED BEFORE LAUNCHING AND FOUND TO HAVE ONE INCH CAMBER

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop **31.0** ft., B.D. or Deck **ft.**, Bridge Dk **98.5** ft., F'castle **38.0** 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). **ONE DECK (STEEL) AND DEEP FRAMING 3 DK RULE.**

Official No. **125786**; Signal Letters. State if Machinery is fitted **AS REQUIRED.**

How are the surfaces preserved from oxidation? Inside **BY PORTLAND CEMENT & PAINT** Outside **BY 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,	104	338	Forepeak tank,		
Double bottom, under Engines and Boilers,	34	137	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		83
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	150	521	Other tanks, if fitted,		
Total capacity		996	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules **YES.**

Order for Special Survey No. **255**

Date **22 Sept 1908**

No. **594** in builder's yard.

DATES OF SURVEYS held while building

1908 Sept 23, 25, 30. Oct 2, 6, 7, 12, 14, 19, 24, 26, 27. Nov 3, 6, 9, 10, 13, 20, 24, 30. Dec 2, 3, 7, 8, 10, 11, 14, 16, 17, 18, 21, 24, 30. 1909 Jan 13, 14, 22, 26, 28. Feb 1, 4, 5, 8, 10, 12, 16, 17, 19, 22, 24, 26. Mar 1, 3, 5, 8, 10, 12, 15, 17, 18, 19, 22, 24, 26, 27, 30. Apr 1, 3, 7, 8, 10, 13, 14, 16, 17, 20, 21, 22, 24, 25. May 6, 11.

Total No. of Visits **80**

The amount of Entry Fee **£ 5**; " " **12/5/1908**

Special Survey Fee **£ 99**; " " **19: 6**

Travelling Expenses, if any **£** " " **13/5/1908**

State whether the Vessel has been built under Special Survey **YES**

I am of opinion this Vessel should be Classed **100-A-1 STEEL 3 DK RULE**

Without Freeboard, as condition of Class

Committee's Minute **GLASGOW 18 MAY 1909**

Character assigned **+ 100 A1 (Steel)**

509 Lloyd's A.O.P. + LMC 509

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

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