

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

IRON OR STEEL STEAMER.

No. 5999

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

Date of completion of Report

9<sup>th</sup> September 1905

Port of

Received at London Office

Southampton

Survey held at

On the

Steel Screw Steamer "Poderoso"

Date First Survey

4<sup>th</sup> July 1905

Last Survey

8<sup>th</sup> September 1905

Rig

Two small pole masts Schooner

Master

Year of appointment

(1) As master in service of owner of present vessel:—18  
(2) As master of this vessel:—18

Built at Woolston, Southampton

When built 1905 Launched 26<sup>th</sup> Aug<sup>r</sup> 1905

By whom built J. J. Hornycroft & Co. Ltd.

Owners Buenos Ayres & Pacific Railway Co. Ltd.

Managers

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

Residence

Port belonging to Buenos Ayres

Destined Voyage Buenos Ayres If Surveyed while Building, Afloat, or in Dry Dock While Building and Afloat

TONNAGE under

Tonnage Deck

Do. of Poop

Do. of Raised Or.

Do. of Break

Do. of Forecastle

Do. of Houses on Deck

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Space

Crown of

Room

FOR FEES

ine Room

ation Spaces

Tonnage

n Beam

ONE DECKED VESSEL.

CLASS 100 A.1  
For Towing purposes

Half Breadth (moulded)

9.0

Depth from upper part of Keel to top of Main Deck Bms.

9.25

Girth of Half Midship Frame (as per Rule)

16.1

1st Number

34 35

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

74.10

2nd Number

2545.33

Proportions—Breadths to Length

4.11

Depths to Length—Main Deck to top of Keel

8.0

Destined Voyage

Buenos Ayres

If Surveyed while Building, Afloat, or in Dry Dock

While Building and Afloat

on Deck as Feet. Inches. BREADTH—Feet. Inches. DEPTH, ACTUAL—Feet. Inches. No. of Decks with Flat laid No. of Tiers of Beams

as of Ship per Register, Length, 75.3 breadth, 18.1 depth, 8.5 Moulded Depth, 8 ft. 10 1/2 ins. Round of Beam, Actual 4 1/2 ins.

FRAMING.				FORGINGS AND CASTINGS.			
Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or a	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or a
Angles, 7/8" x 1/2" for 1/2 length amidships	2 1/2	2 1/2	5	2 1/2	2 1/2	5	5
at each end	1	4	"	"	"	"	"
way of Double Bottoms at Solid Floors.							
" at intermdt. Bkts.							
of Frames from moulding edge to ing edge, all fore and aft	20		20				
SED FRAME, Angles	2 1/2	2 1/2	5	2 1/2	2 1/2	5	5
FRAMING, depth of girder	13 1/2		5	13 1/2		5	5
depth and thickness of Floor Plate at mid-line for 1/2 length amidships			6.7			6.7	6.7
way of Engines and Boilers			5			5	5
thickness at the ends of vessel							
pth at 1/2 the half breadth, as per Rule							
ight extended at the Bilges							
& BRACKETS, in Cell Dble Bottoms							
" Distance apart							
GIRDER, in Double Bottom, depth and thickness							
" Angles, Top							
" Bottom							
RDERS, number on each side & thickness							
Angles							
PLATE, depth (exclusive of flange) and thickness							
Angles to Outside Plating							
BOTTOM PLATING, breadth and thickness of Middle Line Strake							
thickness in Engine and Boiler space							
" Remainder in Holds							
Main and Raised Quarter Deck, Angle, Bulb Angle, Plate or Tee Bulb	4	2 1/2	6	4	2 1/2	6	6
Angles on Upper Edge							
Average space	20		20				
Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Average space							
Hold, Plate or Tee Bulb							
Angles on Upper Edge							
Average space							
Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Average space							
Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb							
Angles on Upper Edge							
Average space							
Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Average space							
In 'tween Decks, Size and Spacing	2 1/2		2 1/2				
" Hold							
" Quarter, 'tween Dks.,							
" in Hold							
WEB FRAMES, In Fore Body, No. and Spacing							
" Brdth. & Thickness							
" No. of Side Stringers							
WEB FRAMES, In E. & B. Space, No. & Spacing							
" Brdth. & Thickness							
WEB FRAMES, In After Body, No. and Spacing							
" Brdth. & Thickness							
" No. of Side Stringers							
" Size of Angles or Tee Bars to Web Frames							
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness							
BULKHEADS.				STIFFENERS.			
In Vessel.	Per Rule.	Thickness.		Horizontal.	Vertical.	Single or Double Frames.	Height up.
W.T. BULKHEADS	4	4	5/20 2 1/2 x 2 1/2	48 2 1/2 x 2 1/2	30	Double to 8K	
PARTITION							
LONGITUDINAL,							
Are the outside Plates doubled two spaces of Frames in length?				Yes			
Are the Sluice Valves and Watertight Doors in efficient working order?				Yes			



PLATING.										RIVETING.												
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.							
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.		Single or Double.		RIVETS.		STRAPS.		IF LAPPED.		
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Diam.	Spacing.	Breadth.	Thickness.	Breadth.	Thickness.	
Flat Plate Keel	30	6	6	6	30	6	6	30	6	6	6	30	6	6	6	Double	3/8	2 1/2	9 3/4	7	4 1/4	7 1/2
Garboard of A Strake	38 1/2	6	6	6	38 1/2	6	6	38 1/2	6	6	6	38 1/2	6	6	6	Double	3/8	2 1/2	9 3/4	7	4 1/4	7 1/2
State actual thickness in way of Double Bottom.	41 1/2	5	5	5	41 1/2	5	5	41 1/2	5	5	5	41 1/2	5	5	5	"	"	"	"	"	"	"
Shuttlers	37 1/4	5	5	5	37 1/4	5	5	37 1/4	5	5	5	37 1/4	5	5	5	"	"	"	"	"	"	"
E	41 3/4	5	5	5	41 3/4	5	5	41 3/4	5	5	5	41 3/4	5	5	5	"	"	"	"	"	"	"
F	30	6	5	5	30	6	5	30	6	5	5	30	6	5	5	Double	3/4	2 3/8	9 3/4	7	"	"
G																						
H																						
J																						
K																						
L																						
M																						
N																						
O																						
P																						
DOUBLING OF Flat Plate Keel																						
Length of Bilges																						
Length of Sheerstrakes																						
Length of Strake below																						
ROOF SIDES																						
RAISED QUARTER DECK SIDES																						
BRIDGE SIDES																						
FORECASTLE SIDES																						
LENGTHS OF PLATING	12	0																				

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.) *James Martin, Norman, & Co. Ltd. Steel Coy of Scotland, Lanarkshire, Scotland.*

Has the Steel been tested as required by the Rules *Yes*

FRAMES extend in one length from *Centre line* to *gunwale*

REVERSED FRAMES on floors and frames extend from *Centre line* to *upper turn of bilge*

DOUBLE in Engine and boiler space.

MASTS, SPARS, &c.

LOWER MASTS...	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	Two small pole masts										
Main											
Mizen											

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds *Steel wire* *1 5/8* Stays *1 1/2* 2"

Sails. Suit of *Two* Sails and the following spare sails

EQUIPMENT No. *2545* LETTER *U.D.K.*

TONNAGE FOR TRAWLERS *U.D.K.*

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY AS APPROVED.			Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
28199	1st Bower	3	2	15	0	3	18	6	0	3	21	3	2	0	Ordinary	not stated	Tipton 25/10/05
28200	2nd "	3	2	0	0	3	14	5	18	3	0	3	2	0	"	"	"
	3rd "																
	Collective weight	7	0	15								7	0	0			C.E. Perkins
	Stream	3	0									3	0				
	Kedge	2	0									2	0				

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	WEIGHT OF CHAIN CABLE.			Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per
			Test per Certificate.	Supplied.	Table 22.								
29080	120 1/2	1 1/2	12 3/4	30.021	29.014	120 1/2	not stated	26th July 1905	C.E. Perkins	75 5/2	90 3	75 5/2	90 3
29082	45 1/2	1 1/2	6	7.112	7.110	45 1/2	close link	26th July 1905	C.E. Perkins				

HAWERSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per			
											29080	120 1/2	1 1/2

Boats *One*

Pumps, Number *3* Diameter of Barrel *5"* State whether they are in efficient working order *Yes*

Windlass is *Emerson, Walker & Thompson Bros* Capstan

Engine Room Skylights.—How constructed? *Steel coamings, Leak top*

What arrangements for deadlights in bad weather? *Glass Bulb eyes*

Coal Bunker Openings.—How constructed? *Framed* How are lids secured? *With clutch* Height above deck? *Flush*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *2 Scuppers & 3 freeing ports 16x9" each side*

Ceiling in Holds, thickness and material *Ceiling 'tween Decks, thickness and material lining*

Cargo Hatchways.—How formed? *Hatches.—If strong and efficient? Yes*

State size No. 1 Hatch (Forward) *No. 2 Hatch* *No. 3 Hatch* *No. 4 Hatch*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch

No. of Breasthooks *Two* No. of Crutches *one*

Bulwarks, height above deck and description *1'8" steel plates* Main Rail, material and size *Bulk angle 6x3*

The above is a correct description *For JOHN I. THORNYCROFT & Co. Limited*

Builder's Signature (here only) *John I. Thornycroft & Co. Limited* Surveyor's Signature *Charles Edwards*

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

Manager, Woolston Works.

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

15th June 1905 (m) 27th June 1905 (m)

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 the plating? *a few only*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.Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests.General Remarks (State quality of workmanship, &c.) *Materials and Workmanship very good.*

*This is a Steel Screw Lug built in accordance with the approved Midship section, and the requirements of the Rules complied with.*

*The Steel used in her construction has been tested in accordance with the Rules.*

*This is a sister vessel to the Steam Lug 'Bermuda'*

*Southampton report 5663.*

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *—* ft., R.Q.D. or Break *—* ft., Bridge Dk. *—* ft., F'castle *—* 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) *One deck iron, one tier of beams*Official No. *—*; Signal Letters *—* How are the surfaces preserved from oxidation? Inside *Cement and Paint* Outside *Paint*

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

Where fitted.	*Length.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.	Feet.	Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,			(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. *2/05* *Specially Surveyed on following dates: 4.7.10.15*

Date *22 June 1905* *17.22.27 July 4.15.24.25 Aug 2.8 Sept 1905*

No. *424* in builder's yard

DATES OF SURVEYS held while building

Total No. of Visits *13*

The amount of Entry Fee *£ 1 : 0 : 0* Fees applied for, *8 Sep 1905*

Special *£ 7 : 0 : 0* Received by me, *11.9.05*

Certificate *£ : : : 11.9.05*

Travelling Expenses, if any *£ : : : 11.9.05*

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

I am of opinion this Vessel should be Classed *\* 100A.1 for towing purposes*

With, or without Freeboard, as condition of Class *without*

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

Committee's Minute

Character assigned

TUES. 12 SEP 1905

*100A.1 char*

*for towing purposes*

*Lloyds 1460*

*+ L.M.B. 9.03*