

STEEL STEAMER or MOTORSHIP.

Received at London Office 27 DEC 1929

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

Port of *Glasgow*No. *49946*Survey held at *Glasgow*Date First Survey *29-1-29*Last Survey *12th December 1929*

On the (State if Machinery fitted Aft and (if Single, Twin or Triple Screw)

*M. V. "CARMEN" AVELLANEDA**Machinery fitted amidships*

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Special Type - Train Ferry

State Type of Erections

Flush deck

TONNAGE under Tonnage Deck...

*2206.52*CLASS *100.A.1 Ferry*

State if with freeboard (as condition of Class)

Yes

Built at

Glasgow

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

*133.75 135.75*Launched *1st November 1929* and No. *866 P.*

Total

Breadth (greatest moulded)

57.5 45.0

Builders

A & J. Inglis Ltd

Gross Tonnage

2234.30

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

14.75 15.25

Owners

Entre Rios Rail Co. Ltd

Register Tonnage

1344.02

1st Longitudinal Number (L x D)

5120

Managers

do

REGISTERED DIMENSIONS. FEET.

Length

340.0

Breadth

57.4

Depth

14.7

Framing Depth "d," at middle of length. See Sec. 3 (1d)

14.0

Proportions—Depth to Length—Uppermost continuous deck to top of keel

14.0

Do. Long Bridge to top of keel

12.0

Draught Moulded

12.0

(Where necessary to be entered in Reg. Book)

Residence *River Plate House, Finsbury Circus, London*

Port of Registry

Ibicy

If surveyed while building, afloat, or in dry dock

Yes

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships			Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead	<i>24</i>		" " Reversed Frame		
" " in peaks			" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, [or]	<i>8 3 1/2 20</i>		" " top Angles		
" " Extends up to	<i>Upper Deck</i>		" " bottom Angles		
Reversed Frame Amidships, Angle	<i>3 1/2 3 1/2 11-1</i>		Side Girders, No. each side and thickness		
" " Extends up to	<i>Lower turn of bilge</i>		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	<i>8</i>		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		
" " Second between Decks, Angle, [or]			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " Third			" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
Framing in Peaks, Angle or [<i>8 3 1/2 20</i>		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 6 1/4</i>		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes, except at ends</i>		Breadth and thickness of Middle Line Strake		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Pillars, Girders and Keelsons per approved plans</i>		Thickness of remainder in Holds		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?		
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>30 x 20</i>		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	<i>7 1/2 x 3 x 17-4</i>	
Height of Brackets at side above base line at toe of frame	<i>15"</i>		" " in way of Bridge, Angle, [or]		
Middle Line Keelson, on Floors, Angles, [or]	<i>(1) 11 3 1/2 3 1/2 11-1</i>		Spacing	<i>24</i>	
" " Through Plate or Intercoastal Plate	<i>40 x 28.5</i>		Cabin Plat		
" " (2) Foundation Plates on Floors	<i>18 x 28.5</i>		Second Deck, amidships, Angle, [or]	<i>4 3 10</i>	
" " Flat Plate Keel Angles	<i>5 5 16.2</i>		Spacing	<i>24</i>	
Side Keelsons, No. each side	<i>Three</i>		Third Deck, amidships, Angle, [or]		
" " thickness of Intercoastal Plate	<i>12 1/2</i>		Spacing		
" " Angles	<i>(2) 4 4 12.8</i>		Fourth Deck, amidships, Angle, [or]		
DOUBLE BOTTOM.	<i>(1) 5 5 16.2</i>		Spacing		
Solid Floors, thickness and spacing			Poop Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Bridge Deck, Angle, [or]		
" " breadth and thickness at margin plate			Spacing		
			Forecastle Deck, Angle, [or]		
			Spacing		

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	<i>Six</i>		Stringer Plate, breadth and thickness in way of Bridge		
in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells		
in Holds " " " " " "	<i>6 x 3 1/2 x 17-8 double Channels 12 ft apart</i>		Thickness of Plating abreast Deck openings in way of Bridge		
Centre Line Bulkhead. Stiffeners and Spacing.....			Thickness of Plating within line of openings...		
Plating, thickness of			If Sheathed, material and thickness		
STRINGERS AND DECKS.			Third Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	<i>65 x 26-5</i>		If Plated, state thickness.....		
in way of Bridge			Fourth Deck.		
Angle in Wells	<i>6 6 24 7</i>		Stringer Plate, breadth and thickness.....		
Thickness of Plating abreast Deck openings in way of Wells	<i>15 lbs</i>		If Plated, state thickness		
Thickness of Plating abreast Deck openings in way of Bridge			Poop Deck.		
Thickness of Plating within line of openings...	<i>20 lbs at ends</i>		Stringer Plate, breadth and thickness		
If Sheathed, material and thickness			Plating, Sheathing, material and thickness ...		
Second Deck.			Bridge Deck.		
Stringer Plate, breadth and thickness in Wells...			Stringer Plate, breadth and thickness.....		
			Plating, Sheathing, material and thickness ...		
			Forecastle Deck.		
			Stringer Plate, breadth and thickness.....		
			Plating, Sheathing, material and thickness		

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.					Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	<i>45</i>	<i>35-9</i>	<i>25-3</i>	<i>25-3</i>		<i>Double</i>	<i>1 4</i>	<i>Three</i>	<i>1</i>	<i>3 1/2</i>	<i>Strapped</i>
DBLG (if any)											
BOTTOM PLATING, No. of Strakes	<i>10</i>	<i>24-5</i>	<i>21-2</i>	<i>21-2</i>		<i>Double</i>	<i>7/8 3 3/4</i>	<i>Three</i>	<i>7/8</i>	<i>2 1/2 3</i>	<i>Strapped</i>
BILGE PLATING, No. of Strakes	<i>20</i>	<i>20-4</i>	<i>14-5</i>	<i>14-5</i>		<i>do</i>	<i>3/4 3</i>	<i>do</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>
SIDE PLATING, No. of Strakes	<i>10</i>	<i>20-4</i>	<i>14-5</i>	<i>14-5</i>		<i>do</i>	<i>3/4 3</i>	<i>do</i>	<i>3/4</i>	<i>2 5/8</i>	<i>do</i>
UPPER DECK, Sheer-strake in Wells.....	<i>67</i>	<i>26-5</i>	<i>22</i>	<i>22</i>		<i>do</i>	<i>7/8 3 3/4</i>	<i>do</i>	<i>7/8</i>	<i>3 5/8</i>	<i>Strapped</i>
UPPER DECK, Sheer-strake in Bridge ...											
STRAKE BELOW Sheer-strake in Wells.....	<i>20-4</i>	<i>14-5</i>	<i>14-5</i>			<i>Double</i>	<i>3/4 3</i>	<i>Three</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING											
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING											

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					<i>Eight</i>
Extending to Upper Deck (Sec. 3 c)					<i>Eight</i>
Deck next below					<i>✓</i>
As per Rule					<i>Approved. Six</i>
MIDSHIP BULKHEAD, Upper 'tween decks	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
" " Second					
" " Third					
" " Holds		<i>50-30</i>	<i>8 x 3 1/2</i>	<i>24/28</i>	<i>✓</i>
" " (in Hold)		<i>4-30</i>	<i>6 x 3 1/2</i>	<i>21/28</i>	<i>✓</i>
" " COLLISION		<i>46-30</i>	<i>7 x 3 1/2</i>	<i>23/28</i>	<i>✓</i>
" " AFTER PEAK		<i>46-30</i>	<i>7 x 3 1/2</i>	<i>23/28</i>	<i>✓</i>

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL-Bar				
STEM	<i>Steel</i>	<i>20</i>	<i>The Clyde Valley Steel</i>	
STERN FRAME	<i>Forging</i>	<i>9 x 16</i>	<i>Caledonian Forge Iron Co. Ltd</i>	
Propeller Post				
Rudder				
RUDDER—A x D		<i>292</i>	<i>Caledonian Forge Iron Co. Ltd</i>	
Speed of Vessel		<i>10 1/2 K</i>	<i>kt</i>	
RUDDER mainpiece at head	<i>Forging</i>	<i>8 dia</i>		
" " heel		<i>6 "</i>		
" how constructed			<i>Forged frame shrunk on arms</i>	
" double or single plate			<i>Single plate</i>	
" coupling, vertical or horizontal			<i>Horizontal</i>	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *D Colville & Sons. Ltd* (Open Hearth process)

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

EQUIPMENT No. 26000												LETTER	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
32503	1st Bower ...	38	3	14	Stockless	35	0	3	21	38 ⁴ / ₁₆	Byers Imp. Stockless not stated	Sunderland	22/10/29	Batten	
32502	2nd „ ...	38	2	0	do	34	16	1	0	38 ¹ / ₁₆	do	do	do	do	
	3rd „ ...														
	Collective weight.	77	1	14						76 ¹ / ₁₆					
44832	Stream	8	0	4	2	0	10	10	2	2	0	Ordinary	do.	Bridgeton 24.10.29 Paul	

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.			Length.	Diam.					Length.	Ins.		Length.	Ins.
43567	240	1 13/16	59 1/2	82 3/4	397.3.7						Spd. Link.	not stated	Bridgeton 24/10/29 Paul	TOWLINE	90	3 3/4	29	90	3 3/4
41029	14 5/8	do	do	do	24.3.21	447 2/3	270	1 13/16			do	do	do 14/8/28 do	HAWSERS & WARPS	2-90	2 1/4	9 1/2	2-90	6
41666	14 5/8	do	do	do	24.3.14						do	do	do 15/8/28 do	"	2-90	1 3/4	6	2-90	5
Stream	60	3 3/4	29	47	2-14						Hook Haggston			"	1-50	6	Hamlet	25	6

Steering Gear, ~~Steam~~ Electric Hydraulic by Brown Bros. Emergency Steering Gear, Hand Efficient

Boats 1 Dinghy Steering Chains, Size and Test no chains Windlass Electric by Clarke Chapman

Ceiling in Holds, thickness and material None Cargo Battens, thickness, material and spacing None

Cargo Hatchways.—(Upper Deck) None Thickness of Hatches

Size of No. 1 Hatchway (Forward) ✓ No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓

Builder's Signature *James D. Pyllis* Director

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *Yes* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The materials and workmanship are good.

Vessel has been built in accordance with the approved plans, the Secretary's letters of various dates and in general conformity with the Rules for the Class contemplated.

The deck and bulkheads have been hose tested, as required by the Rules, and the freeboard markings have been verified and cut in on the ship's sides. The oil fuel bunker in deep tank at fore end of motor room has been tested to the height of the filling pipes with satisfactory result, and the requirements of Section 20 of the Rules, where they apply, have been carried out.

Vessel is a sister ship of the T.S.M.V. "Dolores de Urquiza" and the T.S.M.V. "Delfina Mitre", the same builders N^o 725^o and 815^o (Kepts N^o 46022 and 48080).

The amount of Entry Fee £ 6 : : Fees applied for, 20/12/29

Special Survey Fee.... £ 186 : 14 : Received by me, 31.1.19

Travelling Expenses, if any £ 5 : 16 : 8

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

Certificate to be sent to *Glasgow* Date of issue *11/2/30* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 24 DEC 1929*

Character assigned *+ 100 A1*

12.29.

Train Ferry for Service on the River Parana

Lloyd's A.S.C.P.

+ L.M.C. 12.29.

WJM

The Surveyors are requested not to write on or below the Committee's Minute.

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

List of Plans

- ✓ Midship Section, as approved
- do. Vessel as built
- ✓ Shell Expansion
- ✓ Rudder (N^o 725^r 815^r)
- ✓ Detail of Lubricating Oil Tank
- ✓ Sections in way of Aft Sheer Brackets and of forward Sheer Brackets
- ✓ Bulkheads
- ✓ Bulkhead Bracketing
- ✓ Detail of Plate Beam
- ✓ Seating for Settling Tanks
- ✓ Pumping Plan 725^r.
- ✓ Modification to Stern
- ✓ Connection of floor plate to frame and reversed frame
- ✓ Terminal Scarfed frames
- ✓ Fore body floor Sections
- ✓ Detail of Motor Room casing
- ✓ Centre line division of oil fuel bunker
- ✓ Deck over oil fuel bunker
- ✓ Stern plan
- ✓ Hatches over Engine Room
- ✓ Web frames in Motor Room
- ✓ After Body floor Sections
- ✓ Propeller Brackets
- ✓ Plan of 1st and 3rd Guides
- ✓ Stern Case
- ✓ Engine Seat plan
- ✓ Alterations to oil fuel Tank
- ✓ Profile and Decks
- Reports
 - ✓ Stern Frame
 - ✓ Stem
 - ✓ Sheer Brackets
 - ✓ Tiller
 - ✓ Rudder
- Plans 815^r & N^o 866^r
 - ✓ Arrangement of Steering Gear
 - ✓ Detail of Bracketing of Channel pillars
 - ✓ Centre Keelson
 - ✓ Propeller Sheer Brackets
 - ✓ Midship Section, Vessel as built
 - ✓ Pumping Arrangement
 - ✓ Connection of Centre Keelson to W. T. Bulkheads
 - ✓ General Arrangement Plan
 - ✓ Rudder plan
 - ✓ Companion Entrance to Engine Room

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials,
Number of Certificate, Date
of Test.

1st Bower	24. 2. 21	L. R.	338	4. 10. 29
2nd "	26. 0. 0	M. R.	647	8 th and 11 th May 1928
3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle — ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1st deck Steel

Official No. ; Signal Letters
Is bottom of Vessel coated with cement if not given
particulars of composition Bottom coated with bituminous enamel. Clean of all obstructions. Spaces painted with red lead. Planks cemented with Portland Cement. Mast-holes painted with red lead.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	Oil fuel bunker.	8-0 100
Double bottom, forward,			Other tanks, if fitted, Lubricating oil Tank in E. R.		5
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 5972

Date 11-1-29

Dates of Surveys held while building

1929 Jan 29 Feb. 5. 15. 19. 20. 22. 26 Mar. 1. 5. 8. 15. 20. 22. 27. 29 Apr. 5. 11. 20 May 2. 7. 9. 14. 17. 21. 29
June 5. 10. 13. 18. 19. 24 July 1. 3. 4. 8. 24. 30 Aug 5. 8. 9. 13. 19. 22 Sep 2. 5. 10. 13. 18. 24. 27 Oct 1. 3. 7. 8
11. 18. 22. 29. 30. 31 Nov. 1. 5. 12. 18. 19. 25. 27. 28. 29 Dec 2. 5. 9. 10. 12.

Total No. of Visits 74