

Rpt. 1

RECEIVED

- 5 MAR 1947

3/9/47

IN D.O.

WRECK
SECTION"NIN" SOUTH AMERICA"
STEEL STEAMER OR MOTORSHIP

Received at London Office 4 MAR 1947

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 *1st March 1947* Port of *Sunderland* No. *34639*Survey held at *Sunderland* Date First Survey *11th March 46* Last Survey *27th February 1947*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Steel screw* "RIO TEUCO" Machinery *Amidships*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *C.S.S. with tonnage opening aft* State Type of Erections *Deck or C.S.S.*TONNAGE under Tonnage Deck ... *4800.90* CLASS *100 A.1* State if with freeboard as condition of Class *yes* Built at *Sunderland*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) *L 421.25* Launched *11th November 1946* Yard No. *494*Total Breadth (greatest moulded) *B 56.66* Builders *Short Brothers Limited*s Tonnage *5380.74* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 36.83* Owners *Flota Mercante del Estado*ster Tonnage *3177.75* 1st Longitudinal Number (L x D) *= 15200* Managers (Where necessary to be entered in Reg. Book)REGISTERED DIMENSIONS. FEET Framing Depth "d," at middle of length. See Sec. 3 (1d) *23.958* Residenceth *429.5* Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.44* Port of Registry *Buenos Aires*dth *57.0* Do. Long Bridge to top of keel *✓* If surveyed while building, afloat, or in dry dockh *25.7* Draught Moulded *25'-0 1/2* *While building*

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	<i>31" ✓</i>		Bracket Floors, Frame	<i>6 x 3 1/2 x 41L ✓</i>	
" " from 1/2 length amidships to Collision bulkhead	<i>27" ✓</i>		" " Reversed Frame	<i>6 x 3 1/2 x 32L ✓</i>	
" " in peaks	<i>24" ✓</i>		" " Vertical Struts	<i>2@ 8 x 3 1/2 x 32 x 42L ✓</i>	
SIDE FRAMING.			" " Vertical Struts	<i>1@ 6 x 3 x 32L ✓</i>	
Frame Amidships, Angle, <i>E or F</i>	<i>12 x 4 x 4 x 46L ✓</i>		Centre Girder, depth and thickness amidships	<i>43 1/2 x 54 ✓</i>	
" " <i>1/10 DEEP TANK</i>	<i>9 x 3 1/2 x 46L ✓</i>		" " top Angles <i>DOUBLE</i>	<i>3 1/2 x 3 1/2 x 48 ✓</i>	
" " Extends up to <i>2nd DK, SHELTER @ STRONG BEAMS</i>	<i>12 x 3 1/2 x 45L ✓</i>		" " bottom Angles <i>do</i>	<i>4 x 4 x 54 ✓</i>	
" " <i>1/10 TUNNEL RECESS</i>	<i>12 x 3 1/2 x 45L ✓</i>		Side Girders, No. each side and thickness	<i>ONE 38 ✓</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>38 x 54 ✓</i>	
" " Extends up to	<i>✓</i>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>3 1/2 x 3 1/2 x 44 SINGLE ✓</i>	
Depth of Framing Girder	<i>12" ✓</i>		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	<i>3 1/2 x 3 1/2 x 44 do ✓</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	<i>6 x 3 1/2 x 32L ✓</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>28 x 42 CONTIN^g FL 2 1/2 ✓</i>	
" " Second 'tween Decks, Angle, <i>E or F</i>	<i>✓</i>		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area <i>AT PANTING</i>	<i>25 x 42 CONTIN^g FL 2 1/2 ✓</i>	
" " Third	<i>✓</i>		" " Tank Side Brackets, height above base line at toe of Frame and thickness	<i>33 x 42 do do 2 1/2 ✓</i>	
" " from 1/2 len. for'd. to 15% len. from Stem <i>AT PANTING AREA</i>	<i>15 x 4 x 4 x 41L ✓</i>		INNER BOTTOM PLATING.		
" " in Peaks, Angle or <i>F</i>	<i>8 x 3 1/2 x 35L ✓</i>		Breadth and thickness of Middle Line Strake	<i>46 PLATED TRANS^{LY} ✓</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 RIV^g 5 3/4 ✓</i>		" " <i>52 1/10 HATCHES ✓</i>		
State if Frame Joggled	<i>yes ✓</i>		Thickness of remainder in Holds	<i>46 8:52 ✓</i>	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes ✓</i>		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?	<i>yes ✓</i>	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes ✓</i>		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships <i>in</i>	<i>8 x 3 1/2 x 35L ✓</i>	
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>		" " <i>Wells, Angle, E or F</i>	<i>✓</i>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		" " in way of Bridge, Angle, <i>E or F</i>	<i>✓</i>	
Middle Line Keelson, on Floors, Angles, <i>E or F</i>	<i>✓</i>		Spacing	<i>EVERY FRAME ✓</i>	
" " Through Plate or Inter-costal Plate	<i>✓</i>		Second Deck, amidships, Angle, <i>E or F</i>	<i>8 x 3 1/2 x 7/6 L ✓</i>	
" " Foundation Plate on Floors	<i>✓</i>		" " <i>1/10 DEEP TANK</i>	<i>9 x 3 1/2 x 38L ✓</i>	
" " Flat Plate Keel Angles	<i>✓</i>		Spacing	<i>EVERY FRAME ✓</i>	
Side Keelsons, No. each side	<i>✓</i>		Third Deck, amidships, Angle, <i>E or F</i>	<i>✓</i>	
" " thickness of Intercoastal Plate	<i>✓</i>		Spacing	<i>✓</i>	
" " Angles	<i>✓</i>		Fourth Deck, amidships, Angle, <i>E or F</i>	<i>✓</i>	
DOUBLE BOTTOM.			Spacing	<i>✓</i>	
Solid Floors, thickness and spacing	<i>42 EVERY 3RD FRAME ✓</i>		Poop Deck, Angle, <i>E or F</i>	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>FRAME ONLY ✓</i>		Spacing	<i>✓</i>	
Bracket Floors, breadth and thickness at middle line	<i>32 1/2 x 42 FL3 ✓</i>		Bridge Deck, Angle, <i>E or F</i>	<i>✓</i>	
" " breadth and thickness at margin plate	<i>42 FL3 ✓</i>		Spacing	<i>✓</i>	
			Forecastle Deck, Angle, <i>E or F</i>	<i>8 x 3 1/2 x 35L ✓</i>	
			Spacing	<i>EVERY FRAME ✓</i>	

(MADE IN ENGLAND.)

004170-004176-0029.1 1/2

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.	Number of Certificate.
PILLARS, No. of Rows	ONE ✓			Stringer Plate, breadth and thickness in way of Bridge	✓			50092
" in 'tween Decks, Size and Spacing	4x4x50 SINGLE ON ALTERNATE FRAMES ✓			Thickness of Plating abreast Deck openings in way of Wells	✓	38		50103
" " " " " "	6x6x625 & 6x6x75 SINGLE AT HATCH ENDS. ✓			Thickness of Plating abreast Deck openings in way of Bridge	✓			50107
" in Holds " " " " " "	✓			Thickness of Plating within line of openings...	✓	34		3367
" " " " " " " "	✓			If Sheathed, material and thickness	✓			Number of Certificate.
Centre Line Bulkhead.				Third Deck.				7205
Stiffeners and Spacing	IN HOLDS. ✓ 7x3x38 L AFT To 12x3 1/2x9/16 L FORD AT 2 FEE SPACES APART ✓			Stringer Plate, breadth and thickness	✓			
Plating, thickness of	40 6 30 ✓			If Plated, state thickness	✓			
STRINGERS AND DECKS.				Fourth Deck.				
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness	✓			Iron Steam Chests or Steel Wire
Stringer Plate, breadth and thickness in Wells	69 x 62 ✓			If Plated, state thickness	✓			Steering
" " " " " in way of Bridge	✓			Poop Deck.				Steering
" Angle in Wells	6 x 6 x 62 ✓			Stringer Plate, breadth and thickness	✓			Ceiling
Thickness of Plating abreast Deck openings in way of Wells	58 ✓			Plating, Sheathing, material and thickness ..	✓			Cargo
Thickness of Plating abreast Deck openings in way of Bridge	52 ✓			Bridge Deck.				Size of
Thickness of Plating within line of openings...	40 ✓			Stringer Plate, breadth and thickness	✓			Number and
If Sheathed, material and thickness	2 1/2" O.P. IN W/O ACCOM ✓			Plating, Sheathing, material and thickness...	✓	34		
Second Deck.				Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells	69 x 40 ✓			Stringer Plate, breadth and thickness	✓	34		
1/2" O.P. DEEP TANK	41 ✓			Plating, Sheathing, material and thickness...	✓	30		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State it jagged? No.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	52"	78"	70"	68"		DOUBLE ✓	1"	3 7/8"	WELDED ✓	✓	✓	BUTT WELD
„ Dblg. (if any)	✓											
Bottom Plating, No. of Strakes A.B.C.....		60"	57 1/2"	60"		DOUBLE ✓	7/8"	3 7/8"	3R ✓	7/8"	3 1/2"	LAPPED ✓
Bilge Plating, No. of Strakes D.E.....		60"	57 1/2"	60"		do ✓	7/8"	3 7/8"	3R ✓	7/8"	3 1/2"	do ✓
Side Plating, No. of Strakes F.G.H.....		60"	57 1/2"	49"		do	7/8"	3 7/8"	3R ✓	7/8"	3 1/2"	do ✓
Upper Deck, Sheer- strake in Wells K..	85"	68"	46"	46"		do	7/8"	3 7/8"	4R TO 3R ✓	7/8"	3 1/2"	do ✓
Upper Deck, Sheer- strake in Bridge ...	✓											
Strake below Sheer- strake in Wells J...	78"	60"	46"	46"		DOUBLE ✓	7/8"	3 7/8"	3R ✓	7/8"	3 1/2"	LAPPED ✓
Strake below Sheer- strake in Bridge ...	✓											
Poop Side Plating.....	✓	SIDE SHELL AT PAINTING AREA = 57 1/2"										
Bridge Side Plating.....	✓	BOTTOM SHELL A.B.C. FORWARD OF 1/2 L = 66"										
Forecastle Side Plating			40"			SINGLE ✓	3/4"	3 3/8"	1R ✓	3/4"	3"	LAPPED ✓

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c)..... 1 ✓

„ Deck next below..... 6 ✓

As per Rule..... 7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	✓	✓		
STEM		10' x 2 1/2" x 5' 6"	✓	100 PLATE.
STERN FRAME {	Propeller Post	FABRICATED BY DORMAN LONG & CO. LTD ✓		
	Rudder	AS PER APPROVED PLAN ✓		
Speed of Vessel		11 1/4 KNOTS ✓		
RUDDER—Type		ORDINARY	T. S. FORSTER & SONS.	
" A x D.		362 ✓		
" Diam. of head		10 1/2" ✓		
" Mainpiece at top pintle		10 1/2" ✓		
" " heel ...		8" ✓		
" how constructed		FORGED ✓		
" double or single plate		DOUBLE ✓		
" coupling, vertical or		VERTICAL ✓		
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Open hearth* ✓
Dorman Long, Corsett Iron Co., Appleby Frodingham, Loughborough, Leicestershire
South Durham
 Has the Steel been tested as required by the Rules? *yes* ✓

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.)

Sister vessels: "RIO DIAMANTE" Sunderland Rpt no 34537
"RIO GUALEGUAY" do do do 34583

Blank flanges supplied for ventilator coamings and for bilge, ballast and oil suction of midship deep tank.

Damage stated to have been sustained when the vessel came in contact with the quay wall at the South Dock, Sunderland on the 23rd February 1947. Vessel surveyed afloat and damage noted:— Shell plates "F" strake nos 15 & 16 (S.S.) indented and 2 frames in way set in. Now Done:— Shell plating, framing and riveting examined and found to be efficient.

It is recommended that she be classed in the Society's Register Book subject to permanent repairs being effected to shell plating "F" strake nos 15 & 16 (S.S.) and frame nos 136 & 137 (S.S.) at first convenient opportunity. Subject to do plating in "F" strake (nos.) final

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of keel and centre girder welded. Tank top seams and butts welded. Tank side gussets, bulkheads, centreline bulkheads, bulkhead stiffener brackets, auxiliary seats, thrust seat, tunnel stools, tunnel and recess side welded to tank top. Second deck, upper deck under forecastle, and settling tank top and bottom welded to shell. Centreline bulkhead welded to tunnel top. Mast houses, wing girders and vent coamings welded to upper deck. Stern frame parts welded. Boss plates welded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. E.S.D. D.F. "CRUISER STERN"
"CARRYING OIL F.P. ABOVE 150°F OR VEGETABLE OIL IN MIDSHIP DEEP TANK" "FITTED FOR OIL FUEL F.P. ABOVE 150°F"
"BUTTS OF KEEL WELDED" "7BH (Coll To W.DK, 6 To 2nd DK)"

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	44-2-7	J.H.J.	8123	25-9-46
	2nd "	46-1-7	S.P.R.	8084	11-9-46
	3rd "	38-0-0	A.E.G.	8650	16-7-46

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 35.42 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.
Official No. Signal Letters L.O.J.F. Extreme Breadth over Belting (Circ. 1611) Over-all Length 441.42' (Circ. 1703)
No. and Material of Decks 1 Deck (steel) & 1 shelter deck (steel)
Parts of Bottom of Vessel coated with cement or approved composition Cement in peak tanks, nos 1 & 5 double bottom tanks and cofferdams.
Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	126.58	375	Fore peak tank,	21.52	82
Double bottom, under Engines and Boilers,	43.92	220	After peak tank,	30.00	238
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	25.83	1039
Double bottom, forward,	187.33	771	Other tanks, if fitted,	✓	✓
Total length (if continuous) and Capacity	357.83	1366	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6201
Date 13.11.45
Dates of Surveys held while building
1946. Mar. 11, 12. May 31. June 4, 7, 12, 17, 19, 21, 24. July 1, 4, 10, 18, 19. Aug 7, 13, 14, 20, 21, 29. Sep 3, 6, 9, 12, 13, 14, 20, 23, 25, 27, 30. Oct. 1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 14, 15, 18, 21, 22, 23, 25, 28, 29, 30, 31. Nov. 1, 5, 6, 8, 9. 11, 13, 18, 20, 28. Dec. 2, 3, 6, 13, 18, 19, 20, 23, 24, 27, 30. 1947. Jan 3, 6, 7, 8, 9, 10, 13, 15, 17, 20, 21, 24, 27, 29. Feb. 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 17, 19, 20, 24, 27.

Total No. of Visits 105