

STEEL STEAMER or MOTORSHIP.

Received at London Office

1 NOV 1927

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 25th October 1927Port of TriesteNo. 7742Survey held at MongalconeDate First Survey 1st September 1926Last Survey 22nd October

1927

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Twin Screw M.V. "ARARAQUARA"Machinery amidshipsState Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) With freeboardCLASS South American (State if with freeboard) Yes

Coasting as condition of Class

State Type of Erections Poopa & Cle.TONNAGE under Tonnage Deck 3698

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

Total

Gross Tonnage 4871.6Register Tonnage 2974.1

REGISTERED DIMENSIONS.

METRES. ITALIAN METHOD. FEET.

Length 115.22 378.00Breadth 16.37 53.71Depth 7.44 24.41Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 370.Breadth (greatest moulded) B 53.5Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 27.33.1st Longitudinal Number (L x D) = 10,113.2nd Numeral L x (B + D) = 29,908.Framing Depth "d," at middle of length. See Sec. 3 (1d) 16.15.Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.53.Do. Long Bridge to top of keel 18' 1".Draught Moulded 18' 1".Built at MongalconeLaunched August 1st 1927 Yard No. 176Builders Cantieri Navale TriestinoOwners Slyod Nacional Sociedade Anonima

Managers

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

Residence

Port of Registry Rio de Janeiro

If surveyed while building, afloat, or in dry dock

While building

FRAMES, DOUBLE BOTTOM AND BEAMS.

IN SHIP.

Any Departure from Approved Plans to be Noted.

IN SHIP.

Any Departure from Approved Plans to be Noted.

FRAMES, Spacing amidships

675." " from $\frac{1}{2}$ length to Collision bulkhead675.

" " in peaks

610.

SIDE FRAMING.

Frame Amidships, Angle E or [200 85 11.5alternately" " Extends up to Upper Deck

Reversed Frame Amidships, Angle

✓

" " Extends up to

✓

Depth of Framing Girder

200.Frames in Uppermost Continuous 'tween Decks, Angle E or [200 85 11.5" " Second 'tween Decks, Angle [or [at alternate frames

" " Third " " "

✓Framing in Peaks, Angle or [150 x 70 x 5 fore & aft

Diameter and Spacing of Rivets through Frame and Shell Plating amidships

3/4" spaced 5"

State if Frame Joggled

No.

PANTING ARRANGEMENTS (Sec. 7), state system and particulars

Deep frames 230 90 12 B. A.

STRENGTHENING OF BOTTOM FORWARD. State Particulars

Double midship frame 2 1/2 x 8 1/2 in. intercostal bottom plating to Coll. Pl. midship thickness

SINGLE BOTTOM.

Floors, Depth and thickness at mid-line in Holds

✓

Height of Brackets at side above base line at toe of frame

✓Middle Line Keelson, on Floors, Angles, [or [✓

" " " Through Plate or Intercostal Plate

✓

" " " Foundation Plate on Floors

✓

" " " Flat Plate Keel Angles

✓

Side Keelsons, No. each side

✓

" " thickness of Intercostal Plate

✓

" " Angles

✓

DOUBLE BOTTOM.

Solid Floors, thickness and spacing

8.5 every 3"

" " Are Frame and Reversed Frame joggled?

No

Bracket Floors, breadth and thickness at middle line

725 x 8.5.

" " breadth and thickness at margin plate

725 x 8.5.Bracket Floors, Frame B. A.150 70 8." " Reversed Frame B. A.150 70 8." " Vertical Struts Channel240 x 95 x 19/16

Centre Girder, depth and thickness amidships

968 x 12.

" " top Angles

75 75 12.

" " bottom Angles

100 100 18.

Side Girders, No. each side and thickness

one 8.5.

Margin Plate depth (excl. of flange) and thickness

940 x 11." " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem90 90 9" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem130 130 12 + 90 90 9" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stemEvery 3"" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stemEvery

Tank Side Brackets, height above base line at toe of Frame and thickness

156 7 x 9.

INNER BOTTOM PLATING.

Breadth and thickness of Middle Line Strake

1250 x 12.

Thickness of remainder in Holds

10.

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?

Yes

BEAMS.

Uppermost Continuous Deck, amidships in Walls, Angle E or [190 85 9.5" " in way of Bridge, Angle, [or [✓

Spacing

EverySecond Deck, amidships, Angle E or [200 85 11.

Spacing

EveryThird Deck, amidships, Angle [or [✓

Spacing

✓Fourth Deck, amidships, Angle [or [✓

Spacing

✓Poop Deck, Angle E or [230 90 11

Spacing

alternateProm. Bridge Deck, Angle E or [130 65 8.5

Spacing

alternateForecastle Deck, Angle E or [230 90 11

Spacing

alternate

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PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
	IN SHIP.	IN SHIP.	IN SHIP.	
Stringer Plate, breadth and thickness in way of Bridge	230x10, 190x10	11		
Thickness of Plating abreast Deck openings in way of Wells	11			
Thickness of Plating abreast Deck openings in way of Bridge	8			
Thickness of Plating within line of openings.....	8			
If Sheathed, material and thickness				
Third Deck.				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness.....				
Fourth Deck.				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness.....				
Poop Deck.				
Stringer Plate, breadth and thickness.....	860x8.5			
Plating, Sheathing, material and thickness	7.55" Teak			
Bridge Deck.				
Stringer Plate, breadth and thickness.....	1800x9			
Plating, Sheathing, material and thickness	6.55" Teak			
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	860x8.5			
Plating, Sheathing, material and thickness	7.65" Teak			

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	yes. RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or. to or.		Diam.	Spacing or. to or.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	1222	16.5	14.5	14.5		Double	7/8	3 3/8	3	7/8	3 1/2	Shapped
„ DRG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes	4	12.5	10.5	11.5		Double	3/4	3.	3	3/4	2 5/8	Shapped.
BILGE PLATING, No. of Strakes	1	12.5	10.5	11.5		Double	3/4	3.	3	3/4	2 5/8	Dr
SIDE PLATING, No. of Strakes	3	12.5	10.0	11.0		Double	3/4	3.	3	3/4	2 5/8	Dr
UPPER DECK, Sheer-strake in Wells	1270	17.5	10.0	10.0		Double	7/8	3 3/8	4	7/8	3 1/2	Dr
UPPER DECK, Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer-strake in Wells	1272	15.0	10.0	10.0		Double	7/8	3 3/8	4	7/8	3 1/2	Shapped
STRAKE BELOW Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
POOP SIDE PLATING				9.5		Single.	3/4	3.	1	3/4	2 5/8	Shapped
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
FORECASTLE SIDE PLATING			10.			Single.	3/4	3.	1.	3/4	2 5/8	Shapped

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—	Extending to Upper Deck (Sec. 3 c)	Deck next below	As per Rule	STIFFENERS.				Any departure from approved plans to be noted.
				VERTICAL.	HORIZONTAL.	VERTICAL.	HORIZONTAL.	
MIDSHIP BULKHEAD, Upper tween decks	6	1	6	6.5	130x15.675	✓	✓	
" " Second								
" " Third								
" " Holds				10-8	250x15.685	✓	✓	
COLLISION " (in Hold)				42-30	8x13.25x12.5	✓	✓	
AFTER PEAK "				46-30	9x14.24	✓	✓	

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Basis Open Hearth
Has the Steel been tested as required by the Rules?	Yes.

EQUIPMENT No. 32,485.

LETTER 'Y'

ANCHORS.

Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
339.	1st Bower	60 3 2	48 18 0	60-0-0	60-0-0	Hall's Stockless	Skoda Works	Pilsen 7.9.26. C.R.H.
340.	2nd "	60 2 7	48 15 0	60-0-0	60-0-0	"	"	" 7.9.26. C.R.H.
341.	3rd "	52 3 5	44 4 0	50-2-0	50-2-0	"	"	" 7.9.26. C.R.H.
330	Collective weight.	174 0 20	138 3 0	170-2-0	170-2-0	"	"	" 29.9.26. C.R.H.
342	Stream	30 3 12	28 15 0	16-1-0	16-1-0	admiralty Hall's Stockless	"	" 7.9.26. C.R.H.

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.	Length and size supplied.	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.
347.	270 2 1/2 86 1/2 120 5	664-1-22	645-3-0	270 2 1/2 86 1/2 120 5	Stud Chain	Bassoli	Sepphor 7.6.21. A. G.	HAWSERS & WARPS	2290 2 1/2 15 1/2 2290 2 1/2 15 1/2	120 4 1/4 120 4 1/4	120 4 1/4 120 4 1/4
Iron Stream Chain or Steel Wire	90 1 3/8 34 51	88-1-0	72-0-0	90 1 3/8 34 51	"	"	"	"	2290 2 1/2 12 1/2 2290 2 1/2 12 1/2	120 4 1/4 120 4 1/4	120 4 1/4 120 4 1/4

Steering Gear, Steam Hydro-Electric - Brown Bros.

Steering Gear, Hand Yes.

Boats 4 Sloopboats. 2 Dinghies Steering Chains, Size and Test Telemotor

Windlass Electric - Emerson Walker.

Ceiling in Holds, thickness and material 65" W. Pine

Cargo Battens, thickness, material and spacing 50" W. Pine 230" W.

Cargo Hatchways. (Upper Deck) Steel plates and angles

Thickness of Hatches 65" W.

Size of No. 1 Hatchway (Forward) 5,400x4,570 No. 2 5,400x4,700 No. 3 3,370x1,590 No. 4 4,050x3,810 No. 5 5,400x4,570 No. 6

Number of Shifting Beams under Fore and Afters No. 1-3; No. 2-3; No. 3-1; No. 4-2; No. 5-3.

Cantieri Navale Triestino

Builder's Signature

GENERAL DECLARATION This vessel has been built in accordance with the approved plans and the Society's Rules and Regulations for the class intended.

The workmanship and materials are good.

All double bottom tanks, peaks, fresh water tanks, weather decks and waterways have been tested as required by the Society's Rules.

The freeboard has been verified and cut in on the vessel's sides.

The following approved plans are enclosed for reference:- Midship Section, Profiles Decks,

After Peaks, Sternframes & Rudder, Shaft Brackets, Double bottoms, shell expansion, Construction

forward, Hatches, steering gear, Tunnel & F.W. tanks, Motor seating (plans), motor casing, stem,

superstructures (4 plans), pillars and girders (6 plans). 25 plans.

These plans are required again in this Office for sister ships building.

4 forging certificates are enclosed.

Sister ship:- Report No. 7672. M.V. "ARARANGUA".

The amount of Entry Fee ... £ 792-1-0
 Special Survey Fee ... £ 31-5-4
 Travelling Expenses, if any ... £ 25-17-0

Fees applied for,
 29/10/1927
 Received by me,
 19/11/1927

I am of opinion the Vessel should be Classed +100A1 "with freeboard" South American Coasting, with limiting ports Bahia Blanca and Trinidad.

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

Signature M. Constantini. Colin Bartlett?
 Surveyor to Lloyd's Register of Shipping.

Certificate to be retained in London.

Date of issue 26/11/27.

Committee's Minute FRI. 4 NOV 1927

Character assigned

St-100A1 With Freeboard
 South American Coasting, Bahia Blanca & Trinidad

Write for Lloyd's Register + L.R. 10.24 09
 All engines 120 lbs

My LR

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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 the Plans should be embodied.)

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

1st Bower 38-0-19 C.R.H. 737 58.26 } 18.1.22 C.R.H. 747 28.7.26
2nd " 38-0-15 D: 740 D: } Head 18.0.19. D: 745. D: }
3rd " 34-0-11. D: 753 D: } 15.0.9. D: 756 D: }
4th " 18-3-27. D: 760 D: } 8-3-10 D: 765 D: }

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle (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) 2 DKS: STEEL.

Official No. : Signal Letters Is bottom of Vessel coated with cement No
particulars of composition No 4, 6 + 7 d.b. tanks, peakless bilges-bitumastic. Remainder of d.b. tanks carrying oil fuel and not coated

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.
Double bottom, aft,	98.	228.3	Fore peak tank,	19.
Double bottom, under Engines and Boilers, Motors	38	190.	After peak tank,	20.
Double bottom, if under Engines only,			Deep tank, aft, between tunnels.	60.
Double bottom, if under Boilers only,			Deep tank, forward,	
Double bottom, forward,	164	500.	Other tanks, if fitted,	
	Total capacity of double bottom	913.	(If necessary, furnish further information by sketch.)	

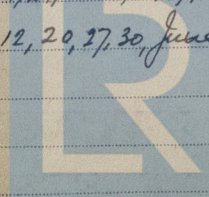
* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 130

Date 19th March 1926

Dates of Surveys held while building

1926 Sep 1, 3, 7, 13, 17, 17, 23, 24, 27, Oct 7, 11, 27, Nov 11, 18, 29, Dec 11, 15, 20, 21, 1927 Jan 10, Feb 28, Mar 10, 12, 14, 15, 22, 25, 29, May 5, 12, 20, 27, 30, June 11, 15, July 6, 8, 12, 19, 27, Aug 1, 18, 22, 29, 19, 27, 30, Oct 1, 4, 7, 13, 19, 20, 21, 22, 22,



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Total No. of V

U.S.O.F. with M.Y. "ARARANGUA" Gen Report 7672