

Rpt. 1.

## STEEL STEAMER or MOTORSHIP.

23 DEC 1931

Received at London Office.

State of Report has been sent on the Freeboard of the Vessel No.State of Report is sent on the Machinery of the Vessel YES

Date of completion of report

Port of LiverpoolNo. 96612.Survey held at Saltney, CheshireDate First Survey July 19<sup>th</sup>/31Last Survey Decr 9<sup>th</sup>

1931.

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

State Type

(Full Scantling, Complete Scantling  
with or without Tonnage Openings)Steel Screw LaunchState Type of Erections ✓TONNAGE under  
Tonnage Deck...51.00CLASS 8100A1. For LaunchingService in the Port of Rio de Janeiro

FEET.

Built at Saltney, CheshireLaunched 15<sup>th</sup> October 1931Card No. 518Builders Messrs J. Crichton & Co.Owner Rio de Janeiro HarbourImprovements Co. Ltd.

Managers

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

Residence Rio de JaneiroPort of Registry Rio de Janeiro

If surveyed while building, afloat, or in dry dock

Yes.Do. of space or spaces  
between Tonnage Dk.  
and Upper Dk.8.73Length from fore part of stem to after part of stern  
post on summer L.W.L. See Sec. 3 (1a)L 70.00

Breadth (greatest moulded)

B 15.00Depth, at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c)D 7.50

1st Longitudinal Number (L x D).....

525

2nd Numeral L x (B + D).....

1575Framing Depth "d," at middle of length. See  
Sec. 3 (1d)6.50Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel9.33Do. Long Bridge to top  
of keel

Draught Moulded

6.0

## REGISTERED DIMENSIONS.

FEET.

Length

70.00

Breadth

15.05

Depth

4.70

## 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	21	✓	Bracket Floors, Frame	✓	
" " from $\frac{3}{4}$ length to Collision bulkhead	21	✓	" " Reversed Frame	✓	
" " in peaks	21	✓	" " Vertical Struts	✓	
SIDE FRAMING. <u>B.S. &amp; FUEL BUNKERS</u>	2 1/2 .32	✓	Centre Girder, depth and thickness amidships	✓	
Frame Amidships, Angle, <u>E-1</u>	2 1/2 .28	✓	" " top Angles	✓	
" " Extends up to	Deck	✓	" " bottom Angles	✓	
Reversed Frame Amidships, Angle	2 1/4 2 1/4 .24	✓	Side Girders, No. each side and thickness	✓	
" " Extends up to	E.S. 3 3 3 1/2	✓	Margin Plate depth (excl. of flange) and thickness	✓	
Depth of Framing Girder	3	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E</u> or <u>F</u>	✓	✓	" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	✓	
" " Second 'tween Decks, Angle, <u>E</u> or <u>F</u>	✓	✓	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	✓	
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	✓	
Framing in Peaks, Angle <u>E-1</u>	3 2 1/2 .24	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	5/8 1 1/2	✓	INNER BOTTOM PLATING.	✓	
State if Frame Joggled	✓	✓	Breadth and thickness of Middle Line Strake	✓	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	✓	✓	Thickness of remainder in Holds	✓	
STRENGTHENING OF BOTTOM FOR- WARD. 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	12 2 1/4 .30	✓	Uppermost Continuous Deck, amidships in Wells, Angle, <u>E-1</u>	4 1/2 3 .30	✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " in way of Bridge, Angle, <u>E-1</u>	2 1/2 2 1/2 .25	✓
Middle Line Keelson, on Floors, Angle, <u>E-1</u>	5 3 .30	✓	" " <u>E-1</u> 1/2 BEAMS	21	✓
" " Through Plate or Intercoastal Plate	✓	✓	Spacing	42	✓
" " Foundation Plate on Floors	✓	✓	FORWARD FLAT		
" " Flat Plate Keel Angles	✓	✓	Second Deck, amidships, Angle, <u>E-1</u>	3 2 1/2 1/4	✓
Side Keelsons, No. each side	✓	✓	Spacing	42	✓
" " thickness of Intercoastal Plate	✓	✓	AFTER FLAT		
" " Angles	4 3 .24	✓	Third Deck, amidships, Angle, <u>E-1</u>	3 2 1/2 1/4	✓
DOUBLE BOTTOM.			Spacing	42	✓
Solid Floors, thickness and spacing	✓	✓	Fourth Deck, amidships, Angle, <u>E</u> or <u>F</u>	✓	✓
" " Are Frame and Reversed Frame joggled?	✓	✓	Spacing	✓	✓
Bracket Floors, breadth and thickness at middle line	✓	✓	Bridge Deck, Angle, <u>E</u> or <u>F</u>	✓	✓
" " breadth and thickness at margin plate	✓	✓	Spacing	✓	✓
			Forecastle Deck, Angle, <u>E</u> or <u>F</u>	✓	✓
			Spacing	✓	✓



## PILLARS AND DECKS.

PILLARS AND DECKS.				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.....			1			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 .....		✓	
„ „ „ „ „			✓			Thickness of Plating abreast Deck openings in way of Bridge .....		✓	
„ in Holds „ „		2"	42			Thickness of Plating within line of openings...		✓	
„ „ „ „ „						If Sheathed, material and thickness .....		✓	
Centre Line Bulkhead, IN ON FUEL BUNKERS		4	3	30		Third Deck.		✓	
Stiffeners and Spacing.....			21"			Stringer Plate, breadth and thickness.....			
Plating, thickness of .....			25			If Plated, state thickness.....		✓	
STRINGERS AND DECKS.						Fourth Deck.		✓	
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness.....			
Stringer Plate, <del>breadth and</del> thickness in Wells			25			If Plated, state thickness .....		✓	
„ „ „ „ in way of Bridge			✓			Poop Deck.		✓	
„ Angle in Wells .....		2 1/2	2 1/2	28		Stringer Plate, breadth and thickness .....			
Thickness of Plating abreast Deck openings in way of Wells .....			25			Plating, Sheathing, material and thickness ...		✓	
Thickness of Plating abreast Deck openings in way of Bridge .....			✓			Bridge Deck.		✓	
Thickness of Plating within line of openings...			20			Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness .....		2"	TEMP			Plating, Sheathing, material and thickness ...		✓	
Second Deck.						Forecastle Deck.		✓	
Stringer Plate, breadth and thickness in Wells...			✓			Stringer Plate, breadth and thickness.....			
						Plating, Sheathing, material and thickness ...		✓	

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

Total No. of **W.T. BULKHEADS** in Vessel— 6  
 Extending to Upper Deck (Sec. 3 c) 6  
 „ Deck next below ✓  
 As per Rule *No. approved.*

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted
<b>KEEL, Bar</b> .....		IRON 6" x 1		
<b>STEM</b> .....		" 4" x 1		
<b>STERN FRAME</b> {	Propeller Post .....	" 4" x 1 7/8		
	Rudder .....	" " " "		
<b>RUDDER—A x D</b> .....		26" x 8"		
<b>Speed of Vessel</b> .....		10.5 KNOTS		
<b>RUDDER</b> mainpiece at head ...		IRON 3" x 4		
	" "	" 2" x 4		
" "	heel ...	ARMED SHROUDS AND KEYS		
" "	how constructed .....	BUILT		
" "	double or single plate	DALZ		
" "	coupling, vertical or horizontal .....	STEEL 76		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*  
*Ironingham Iron Steel Co., Appleby Iron Co., The Lancashire Steel Co., Connell Iron Co.*  
 STEEL. *The Steel Company of Scotland.*  
*Best Bessemer Steel (Dalgro) Colvilles Ltd.*  
 Has the Steel been tested as required by the Rules? *Yes.*



EQUIPMENT No. *As approved.* LETTER *✓*

ANCHORS. 2.

Number of Certificate.	Anchors.	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.			
1. 92546	1st Bower	5	1	3	✓	5	16	2	2 1/2 Lx STOCK	1. Hargreaves	9th. 31/10/31 H. Green.
2. 92557	2nd "	5	1	6	✓	5	16	2	2 1/2 "	"	6/11/31 H. Green.
3. 91519	3rd "	2	1	7	✓	4	17	2	2 1/2 "	"	31/1/32 H. Green.
Collective weight											
Stream											

## CHAIN CABLES.

## HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate. Break- ing.	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.		Supplied.	Per Rule.	Cwts.	Fathoms.					Fathoms.	Ins.		Fathoms.	Ins.
96390	30	1 1/2	8 1/2	12 1/4	7.2.22	14 1/2	60	1 1/2	1. Hargreaves	20th. 4/11/31 H. Green.	TOWLINE	2. 30	8 1/2	8 1/2		
96389	30	1 1/2	8 1/2	12 1/4	7.2.20				"	6/11/31 H. Green.	HAWSERS & WARPS	60	1 1/2	17 Mille	60	1 1/2
	60	2	10	12 1/4	7.2.20				"			60	2	17 Mille	60	2
Stream																
Steel Wire																

Steering Gear, Steam

Steering Gear, Hand

Boats

Steering Chains, Size and Test

1/2" Shot Link 3.0.0.0 Windlass Stand, Single Pump

Ceiling in Holds, thickness and material

Aft Hold 1 - 1 1/2" Pitch Pine

Cargo Battens, thickness, material and spacing

Cargo Hatchways. (Upper Deck)

Thickness of Hatches

Size of No. 1 Hatchway

AFT. (Forward) 24" x 21"

No. 2

No. 3

No. 4

No. 5

No. 6

Number of Shifting Beams and/or Fore and Afters

FOR AND ON BEHALF OF

J. CRICHTON &amp; CO. Ltd.

Builder's Signature

GOVERNING 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.

This vessel has been built in accordance with the approved plans, the Secretary's letter and the Society's rules for the class contemplated.

The materials and workmanship are good. Bulkheads and Deck have been satisfactorily tested. Oil fuel is carried in bulkheads fitted between frames 28/30. The following plans are forwarded with this report: - Midship Section, Elevation + Deck Plan, Sternframe + Rudder, Bulkheads, Engine Seating, Boiler Stools, Raising Scheme, Live Loring Report.

The vessel has been shipped on board the S.S. Phidias for Rio de Janeiro.

The amount of Entry Fee ..... £ 2 : 0 : 0

Fees applied for,

22 DEC. 1931

Special Survey Fee.... £ 20 : 0 : 0

Received by me,

Travelling Expenses, if any £ 2 : 5 : 0

12.1 1932

I am of opinion the Vessel should be Classed

S.S. 100 A1. FOR TOWING SERVICES IN THE BAY OF RIO DE JANEIRO

State whether the Vessel has been built under Special Survey

Yes.

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Lio. Clarity &amp; Sons.

Date of issue

18/1/32

Committee's Minute

LIVERPOOL

22 DEC. 1931

Character assigned

+ 100 A1 - 12.31.

For Towing Services  
in the Bay of Rio de Janeiro.

Lloyds A & C.P.

+ 100 A1 - 12.31.

Fitted for oil fuel 12.31.

F.P. above 180° F.

T.D. Ch.



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Lloyd's Register Foundation

W1253-00292



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.)

Rpt. 4.

Date of visit

No. in



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

1st Bower  
2nd "  
3rd "

*See Page 3.*

**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 *Peak*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *1 DR (W.S.).*

Official No. ☒ : Signal Letters

Is bottom of Vessel coated with cement *yes* if not give

**PARTICULARS OF WATER BALLAST.**—

Where Fitted.	Length.		Where Fitted.	Length.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	✓	2.26
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,	✓	
Double bottom, forward,			Other tanks, if fitted,	✓	
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. *1262*

Date

*18/6/31.*

Dates of Surveys held while building

*July 19. Aug 26. Oct 2. 13. 23. Nov 18. 23. Dec 9.*



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Total No. of Visits

*8.*