

STEEL STEAMER or MOTORSHIP

Received at London Office

State if Report has been sent on the Freeboard of the Vessel Yes (voyage only)State if Report is sent on the Machinery of the Vessel YesDate of completion of report 9th December 1926 Port of SouthamptonNo. 12663Survey held at SouthamptonDate First Survey April 20th 1926 Last Survey 9th December 1926On the (State if Machinery fitted Aft and) steel twin screw double ended ferry steamer "IMBUHY" Machinery amidshipsState Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) ✓State Type of Erections ✓TONNAGE under Tonnage Deck 472.21CLASS A- for harbour State if with freeboard No as condition of ClassBuilt at Woolston, SouthamptonDo. of space or spaces between Tonnage Dk. and Upper Dk. 8.08Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 177.88Launched 11th September 1926 Yard No. 1060Total 480.29Breadth (greatest moulded) W.L. over sponsons B 33.00
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 11.33Builders Messrs. John I. Thornycroft & Co. Ltd.Owners Companhia Cantareira e Viacao FluminenseGross Tonnage 480.291st Longitudinal Number (L x D) = 4497Managers LEOPOLDINA RAYKAT Co.
(Where necessary to be entered in Reg. Book.)Register Tonnage 216.132nd Numeral L x (B + D) = 7988Residence 3 Lombard Street, LondonREGISTERED DIMENSIONS.
FEET.

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

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

Do. Long Bridge to top of keel

Draught Moulded 7'-0 5/16"Port of Registry RIO DE JANEIRO, BRAZIL

If surveyed while building, afloat, or in dry dock

ALL

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	24				Bracket Floors, Frame	✓			
" " from 1/2 length to Collision bulkhead	24				" " Reversed Frame	✓			
" " in peaks	24				" " Vertical Struts	✓			
DE FRAMING.					Centre Girder, depth and thickness amidships	✓			
Frame Amidships, Angle, <u>E</u> or <u>C</u>	4	2 1/2	28		" " top Angles	✓			
" " Extends up to <u>spanson</u>					" " bottom Angles	✓			
Reversed Frame Amidships, Angle	2 1/2	2 1/2	26		Side Girders, No. each side and thickness	✓			
" " Extends <u>across floors</u>					Margin Plate depth (excl. of flange) and thickness	✓			
Depth of Framing Girder	4				" " Vertical Angle to Tank side	✓			
Frames in Uppermost Continuous 'tween Decks, Angle, <u>C</u> or <u>E</u>	✓				Bracket abaft 1/2 len. from stem	✓			
" " Second 'tween Decks, Angle, <u>C</u> or <u>E</u>	✓				" " Vertical Angle to Tank side	✓			
" " Third " " " "	✓				Bracket forward 1/2 len. from stem	✓			
Framing in Peaks, Angle or <u>C</u>	4	2 1/2	28		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8	4 1/2			" " Gussets, spacing and scantling forward 1/2 len. from stem	✓			
State if Frame Joggled	Yes				Tank Side Brackets, height above base line at toe of Frame and thickness	✓			
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	✓				INNER BOTTOM PLATING.				
STRENGTHENING OF BOTTOM FORWARD. State Particulars	✓				Breadth and thickness of Middle Line Strake	✓			
ANGLE BOTTOM.					Thickness of remainder in Holds	✓			
Floors, Depth and thickness at mid-line in Holds	12	30	E.R.		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?	✓			
" " " " " "	12	26	B.R.		BEAMS.				
Height of Brackets at side above base line at toe of frame	30				Uppermost Continuous Deck, amidships	5	3	30	
Middle Line Keelson, on Floors, Angles, <u>C</u> or <u>E</u>	30	26			" " in Wells, Angle, <u>E</u> or <u>C</u>	✓			
" " " " Through Plate <u>or</u> Intercostal Plate	30	26			" " in way of Bridge, Angle, <u>C</u> or <u>E</u>	✓			
" " " " Foundation Plate on Floors	12	34	30		Spacing	24			
" " " " Flat Plate Keel Angles	3	3	30		Second Deck, amidships, Angle, <u>C</u> or <u>E</u>	✓			
Side Keelsons, No. each side	Two				Spacing	✓			
" " thickness of Intercostal Plate	22				Third Deck, amidships, Angle, <u>C</u> or <u>E</u>	✓			
" " Angle <u>bulb</u>	5	3	30		Spacing	✓			
DOUBLE BOTTOM.					Fourth Deck, amidships, Angle, <u>C</u> or <u>E</u>	✓			
Solid Floors, thickness and spacing	✓				Spacing	✓			
" " Are Frame and Reversed Frame joggled?	✓				Poop Deck, Angle, <u>C</u> or <u>E</u>	✓			
Bracket Floors, breadth and thickness at middle line	✓				Spacing	✓			
" " breadth and thickness at margin plate	✓				Upper Bridge Deck, Angle, <u>E</u> or <u>C</u>	3	2	32	
					Spacing	24			
					Shade Forecastle Deck, Angle, <u>E</u> or <u>C</u>	3	1 1/2	8	
					Spacing	36			

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>FIVE</i>					Stringer Plate, breadth and thickness in way of Bridge	✓			
„ in 'tween Decks, Size and Spacing.....	<i>2½</i>	<i>3/16 Hollow</i>			Thickness of Plating abreast Deck openings in way of Wells	✓			
„ „ „ „ „	<i>See plan.</i>				Thickness of Plating abreast Deck openings in way of Bridge	✓			
„ in Holds „ „	<i>3</i>	<i>26 Hollow</i>			Thickness of Plating within line of openings...	✓			
„ „ „ „ „	<i>See plan.</i>				If Sheathed, material and thickness	✓			
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.....		✓			Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of		✓			If Plated, state thickness.....	✓			
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....	✓			
Stringer Plate, breadth and thickness in Wells	<i>40</i>	<i>30</i>	<i>26</i>		If Plated, state thickness	✓			
„ „ „ „ in way of Bridge		✓			Poop Deck.				
„ Angle in Wells	<i>3</i>	<i>3</i>	<i>30</i>		Stringer Plate, breadth and thickness	✓			
Thickness of Plating abreast Deck openings in way of Wells <i>Tie Plates</i>	<i>9</i>	<i>38</i>			Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings in way of Bridge <i>at...A.T.A...Space...</i>		<i>24</i>			Shade Bridge Deck.				
Thickness of Plating within line of openings...		✓			Stringer Plate, breadth and thickness.....	<i>10</i>	<i>24</i>		
If Sheathed, material and thickness	<i>TEAK 2"</i>				Plating, Sheathing, material and thickness ...	<i>W.P.</i>	<i>3/8</i>		
Second Deck.					<i>TIE PLATES. W.P. & Canvas</i> <i>Upper.</i>	<i>4½</i>	<i>18</i>		
Stringer Plate, breadth and thickness in Wells...	✓				Forecastle Deck.				
					Stringer Plate, breadth and thickness.....	<i>18</i>	<i>24</i>		
					<i>TIE PLATES.</i> Plating, Sheathing, material and thickness ...	<i>TEAK</i>	<i>1¾</i>		
						<i>8</i>	<i>24</i>		

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— Extending to Upper Deck (Sec. 3 c) 4 „ Deck next below ✓ As per Rule 4																																																																											
<table border="1"> <thead> <tr> <th rowspan="3"></th> <th rowspan="3">Plating Thickness.</th> <th colspan="4">STIFFENERS.</th> </tr> <tr> <th colspan="2">VERTICAL.</th> <th colspan="2">HORIZONTAL.</th> </tr> <tr> <th>Scantlings.</th> <th>Spacing.</th> <th>Scantlings.</th> <th>Spacing.</th> </tr> </thead> <tbody> <tr> <td>MIDSHIP BULKH'D, Upper tween decks</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>„ „ Second „</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>„ „ <i>o. f. bunker</i> Third „</td> <td>✓</td> <td>34</td> <td>24.</td> <td></td> <td></td> </tr> <tr> <td>„ „ „</td> <td>✓</td> <td>30</td> <td>7x3x34. 24</td> <td></td> <td></td> </tr> <tr> <td>„ „ „</td> <td>✓</td> <td>34</td> <td></td> <td></td> <td></td> </tr> <tr> <td>„ „ Holds</td> <td>✓</td> <td>26</td> <td>4x2½x30 24</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>COLLISION „ (in Hold)</td> <td>✓</td> <td>30</td> <td>5x3x30 24</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>„ „ „</td> <td>✓</td> <td>26</td> <td>4x2½x30 24</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>AFTER PEAK „ „</td> <td>✓</td> <td>30</td> <td>5x3x30 24</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>„ „ „</td> <td>✓</td> <td>26</td> <td>4x2½x30 24</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>			Plating Thickness.	STIFFENERS.				VERTICAL.		HORIZONTAL.		Scantlings.	Spacing.	Scantlings.	Spacing.	MIDSHIP BULKH'D , Upper tween decks						„ „ Second „						„ „ <i>o. f. bunker</i> Third „	✓	34	24.			„ „ „	✓	30	7x3x34. 24			„ „ „	✓	34				„ „ Holds	✓	26	4x2½x30 24	✓	✓	COLLISION „ (in Hold)	✓	30	5x3x30 24	✓	✓	„ „ „	✓	26	4x2½x30 24	✓	✓	AFTER PEAK „ „	✓	30	5x3x30 24	✓	✓	„ „ „	✓	26	4x2½x30 24	✓	✓
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STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction <i>Skinner's 1. & C. Co. Gust, Keen & Nettlefolds .. Darm</i> <i>David Colville & Sons Ltd. Pease & Partners Ltd.</i> Has the Steel been tested as required by the Rules? Yes.																																																																											

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓		
STEM	Forging	4" x 1"		
STERN FRAME { Propeller Post	✓	✓		
{ Rudder "	✓	✓		
RUDDER—A x D. 20 x 74		15.8.		
Speed of Vessel 11½ knots.				
RUDDER mainpiece at head ...	Spade.	5"	4" dia.	
" " heel ...	✓	✓	See plan.	Day, Summers
" how constructed	See plan.	28	See plan.	W. C. L. P.
" double single plate				Harland & Wolff
" coupling, vertical or				
" horizontal	✓	✓		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Beddingtons Iron & Steel Works.*
Skinner's 1. & 2. Co. Gust, Keen & Nettlefolds .. Dorman, Long & Co. LTD. Bolckow, Vaughan & Co. LTD. Steel Co. of Scotland.
David Colville & Sons LTD. Pease & Partners LTD. SIEMENS, MARTIN, OPEN HEARTH PROCESS
 Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. ✓				LETTER ✓				ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	
88497	1st Bower ...	10	0	7	Stack/ass	12	2	0	21	✓	Cast steel head F.W.I. Shank
88496	2nd „ ...	10	0	6	Do.	12	2	0	21	✓	Do.
	3rd „ ...										
	Collective weight.										
	Stream										

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.	Stat-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Ins.		Length.	Ins.
78921.	60 3/8	1 5/16	15.8	25.7	27	1	0	✓	✓	✓	Stud.	Not Known	NETHERLAND 9/9/26 L.H.M.	TOWLINE...	✓	✓	✓	✓	✓
78946.	60 3/8	1 5/16	15.8	25.7	27	0	25	✓	✓	✓	do.	Do.	Do.	HAWSERS & WARPS	22 1/2	6	✓	✓	✓
Iron Stream Chain or Steel Wire																			

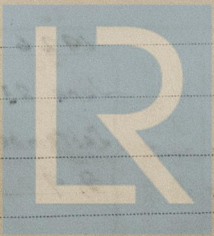
Steering Gear, Steam	None.	Steering Gear, Hand	1 For ^d + 1 aft. T.M. ARCHER. DUNSTON ON TYNE.								
Boats	2 STEEL 14' 0" x 5' 6" x 2' 1/4	Steering Chains, Size and Test	5/8"	4-12	2	0.1 P.N.C.H.	26/28	Windlass	Hand.	1 For ^d + 1 aft.	ROSE, DOWNS + THOMPSON LTD. HULL.
Ceiling in Holds, thickness and material	✓	Cargo Battens, thickness, material and spacing	✓								
Cargo Hatchways.—(Upper Deck)	✓	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	✓										

JOHN I. THORNYCROFT & Co. LTD.			
Builder's Signature	J. S. S. S. S.		
	DIRECTOR.		
	(MANAGER—SOUTHAMPTON)		

GENERAL DECLARATION	This vessel has been built under Special Survey in accordance with the enclosed plans (12 in all) the Secretary's letters of various dates and in conformity with the Rules for the class contemplated so far as they apply. The workmanship is good.		
	The tanks at the ends of the vessel and the coal bunker, which is alternatively an oil fuel tank and has been constructed as such, have been tested as required by the Rules and found satisfactory.		
	The weather deck and gutterways, W.T. bulkheads, pumps, steering gear, and windlasses have been tested and found satisfactory.		
	The following plans and forging reports and mill sheets are enclosed.		
	Midship Section, Profile and deck plan, W.T. bulkheads, Rudders, Rudder Brackets, Rudder bearing, Shaft bearing 2 (1 smaller), Shaft brackets, Web frames, Stiffening at ends of vessel, Modification to enter keelson in B.R.		
	Forging reports. Rudder brackets, shaft brackets.		

The amount of Entry Fee	£ 3 : 0 : 0	Fees applied for,	
Special Survey Fee	£ 48 : 0 : 0	Received by me,	
Freeboard.	3 : 0 : 0		
Travelling Expenses, if any £	:		
State whether the Vessel has been built under Special Survey	Yes.	Signature	A. S. S. S. S.
Certificate to be sent to	Southampton	Date of issue	23/12/26

Committee's Minute	TUES. 14 DEC 1926
Character assigned	A - For Harbour Service
	+ L.M.C. 12.26
	0.9
	Wick
	Glasgow 14/12/26
	My



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Lloyd's Register
Foundation

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.)

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

1st Bower 6-2-6. D.D.W. 776/ 88497 20-5-26.
2nd „ 6-1-27. D.D.W. 771/ 88496 20-5-26.
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) 10th TEAK.

Official No. ☒ ; Signal Letters _____ Is bottom of Vessel coated with cement yes if not _____
particulars of composition ☒

PARTICULARS OF WATER BALLAST.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank, <u>Fresh water.</u>	<u>10.0</u>	<u>15</u>
Double bottom, under Engines and Boilers,			After peak tank, <u>Do.</u>	<u>10.0</u>	<u>15</u>
Double bottom, if under Engines only,			Deep tank, aft, <u>Coal bunker alternatively oil Tank.</u>	<u>4.0</u>	<u>38</u>
Double bottom, if under Boilers only,			Deep tank, forward,		<input checked="" type="checkbox"/>
Double bottom, forward,			Other tanks, if fitted,		<input checked="" type="checkbox"/>
			(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. _____

Date 9th April 1926

Dates of Surveys held while building

1926 April 12, 20, 27, 29. May 4, 6, 8, 10, 12, 13, 14, 19, 20, 21, 27. June 1, 3, 8, 10, 23. July 8, 12, 16, 19, 22, 28. August 9, 10, 12, 18, 23, 26, 28, 31. September 6, 8, 10, 16, 22, 27. October 1, 13, 14, 16, 19. November 15, 25. December 8, 9.

Total No. of Visits 5