

DISCLOSED
SECTION

STEEL STEAMER OR MOTORSHIP.

DISCLOSED
SECTION

Received at London Office.

26 AUG 1946
66993
1946

IN D.O. No. 795

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

22nd August, 1946

Port of

Gothenburg

No.

14891.

Survey held at

Gothenburg

Date First Survey

12th July 1946

Last Survey

30th July

1946

On the

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

Single Screw Motorship

"SERIGI"

Machinery fitted aft

State Type

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

Full Scantling

State Type of Erections

Combined Poop Bridge + Fife

TONNAGE under Tonnage Deck ...

334.69

CLASS

100 A1

State if with freeboard as condition of Class

No

Built at

Marstrand

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 180.46

Launched

18th Jan 1944

Yard No. 17

Breadth (greatest moulded)

B 29.53

Builders

A.A. Marstrand & Mek. Varkstad

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

D 12.14

Owners

Naragacao e Comercio Sengue Parana S. A.

Total

Gross Tonnage

513.87

Register Tonnage

296.58

Managers

Dr. Humberto

(Where necessary to be entered in Reg. Book)

Residence

Rio de Janeiro

Port of Registry

Rio de Janeiro

If surveyed while building, afloat, or in dry dock

Afloat & in floating dock.

REGISTERED DIMENSIONS.

55.54
9.05
2.87

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

9.7

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

14.85

Do. Long Bridge to top of keel

9.58

Draught Moulded

12'0"

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	550	✓	Bracket Floors, Frame	75 65 7	✓
" " from 1/2 length amidships to Collision bulkhead	550	✓	" " Reversed Frame	75 65 7	✓
" " in peaks	550	✓	" " Vertical Struts	100 75 7	✓
DE FRAMING.			Centre Girder, depth and thickness amidships	750 x 9	✓
Frame Amidships, Angle, E or F	115 65 7	✓	" " top Angles	Weld 4.5	✓
" " Extends up to	Bridge deck	✓	" " bottom Angles	Weld 4.5	✓
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	None	✓
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	660 x 8	
Depth of Framing Girder	-		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Weld 3.5	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	-		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	Weld 3.5	
" " Second 'tween Decks, Angle, E or F	-		" " Gussets, spacing and scantling abaft 1/4 len. from stem	None	✓
" " Third " " " "	-		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	None	✓
" " from 1/2 len. for'd. to 15% len. from Stem	115 65 7	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	800 x 7.5	✓
" " in Peaks, Angle, E or F	115 65 7	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	19 c 135	✓	Breadth and thickness of Middle Line Strake	-	
State if Frame Joggled	No	✓	Thickness of remainder in Holds	7	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	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?	As approved	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	-	
Floors, Depth and thickness at mid-line in Holds	-		" " in way of Bridge, Angle, E or F	100 65 8.5	✓
Height of Brackets at side above base line at toe of frame	-		Spacing	550	✓
Middle Line Keelson, on Floors, Angles, E or F	-		Second Deck, amidships, Angle, E or F	-	
" " Through Plate or Inter-costal Plate	-		Spacing	-	
" " Foundation Plate on Floors	-		Third Deck, amidships, Angle, E or F	-	
" " Flat Plate Keel Angles	-		Spacing	-	
Side Keelsons, No. each side	-		Fourth Deck, amidships, Angle, E or F	-	
" " thickness of Inter-costal Plate	-		Spacing	-	
" " Angles	-		Poop Deck, Angle, E or F	100 65 8/10.5	✓
DOUBLE BOTTOM.			Spacing	550	✓
Solid Floors, thickness and spacing	6" frame 7	✓	Bridge Deck, Angle, E or F	100 65 8	2021
" " Are Frame and Reversed Frame joggled?	Welded	✓	Spacing	550	✓
Bracket Floors, breadth and thickness at middle line	580 x 7	✓	Forecastle Deck, Angle, E or F	100 65 8	✓
" " breadth and thickness at margin plate	580 x 7	✓	Spacing	550	✓

PILLARS AND DECKS.				INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows				INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
One, except between Nos 2 & 3 3 hatches, where at sides							
in 'tween Decks, Size and Spacing				180 x 9.5			
as per appd. plans							
in Holds				280 x 11			
C.L. And Elsewhere							
Centre Line Bulkhead.				115		23.9.46	
Stiffeners and Spacing				65 7			
Plating, thickness of				6			
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells				1200 x 10			
in way of Bridge				1200 x 6.5			
Angle in Wells				90 90 10			
Thickness of Plating abreast Deck openings in way of Wells				10			
Thickness of Plating abreast Deck openings in way of Bridge				6.5			
Thickness of Plating within line of openings				6.5			
If Sheathed, material and thickness				-			
Second Deck.							
Stringer Plate, breadth and thickness in Wells				-			
Stringer Plate, breadth and thickness in way of Bridge				1200 x 8.5			
Plating, Sheathing, material and thickness				7.5			
Forecastle Deck.							
Stringer Plate, breadth and thickness				7.5			
Plating, Sheathing, material and thickness				7.5			

	SCANTLINGS.								RIVETING.						
STRAKES.	AS IN VESSEL.						ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No</i>			BUTTS.				
	<i>Aftships.</i>		<i>Forward.</i>		<i>Aft.</i>	<i>SINGLE OR DOUBLE.</i>		<i>RIVETS.</i>		<i>No. OF ROWS OF RIVETS.</i>	<i>RIVETS.</i>		<i>STEAPPED OR LAPPED.</i>		
	Breadth.	Thickness.	Thickness.	Thickness.	Diam.			Spacing cr. to cr.	Diam.		Spacing cr. to cr.				
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.				
Flat Plate Keel.....	10 ²⁰ / ₁₆	13 ⁵ / ₁₆	12	12		Double	19	68							
" Dblg. (if any)															
Bottom Plating, No. of Strakes }		9 ✓	10 ✓	8-5	part	Single									
Bilge Plating, No. of Strakes }		9 ✓	8 ✓	8 ✓		Double	19	68		Butt					
Side Plating, No. of Strakes }		8-5 ✓	7-5 ✓	8 ✓		Single	19	68		Welded					
Upper Deck, Sheer-strake in Wall	X	10 ✓	7-5 ✓	7-5 ✓	Note:- Sheerstrake + Strake below	Single	19	68							
Upper Deck, Sheer-strake in Bridge ... }					continuous from										
Strake below Sheer-strake in Wall		10 ✓	7-5 ✓	7-5 ✓	deck to forecastle	Single	19	68							
Strake below Sheer-strake in Bridge ... }					through forward										
Poop Side Plating.....				7-5/ ₈	tell.										
Bridge Side Plating.... See X															
Forecastle Side Plating				8/ ₇₋₅											

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.				Scantlings.		Maker's Name.		Any Departure from Approved Plans to be Noted.	
Extending to Upper Deck (Sec. 3 c) <i>Four</i> ✓						KEEL, Bar				<i>Plate</i> ✓					
" Deck next below						STEM				<i>90°</i> ✓					
As per Rule <i>Three</i>						STIFFENERS.				STERN FRAME				Th.	
										{ Propeller Post <i>rolled</i> { Rudder " <i>plan</i>				<i>supplied</i> <i>rolled</i>	
						Speed of Vessel				<i>11 knots</i> ✓					
						RUDDER—Type				<i>Unbalanced</i> ✓				<i>bars</i>	
						" A × D.....				<i>278 Metric</i>				<i>fr</i>	
						" Diam. of head				<i>150</i> ✓				<i>Stem frame</i>	
						" Mainpiece at top pintle				<i>See</i>					
						" " heel				<i>plan</i> ✓				<i>Rudder.</i>	
						" how constructed				<i>Wilded</i> ✓				<i>Tested by</i>	
						" double or single plate coupling, vertical or horizontal				<i>Double</i> ✓				<i>German Lloyd</i>	
										<i>Horizontal</i> ✓					
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). <i>Open Hearth</i> ✓ <i>Gutehoffnungshütte, Ruhrstahl Aktien-Gesellschaft, Mannesmannröhren-werke,</i> <i>Th. Muffmann.</i>															
Has the Steel been tested as required by the Rules? <i>By Germanischer Lloyd. Certificate signed.</i>															

EQUIPMENT No. <i>8424</i>										LETTER <i>J</i>		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.		
		Kg.	lbs.	Kg.	lbs.	Kg.	lbs.						
<i>30283 M</i>	1st Bower	<i>944</i>				<i>20200</i>			<i>Garrison</i>	<i>M</i>	<i>Making Works</i>		
<i>30284 M</i>	2nd "	<i>956</i>				<i>20400</i>	✓		<i>Stockless</i>	<i>Garrison</i>	<i>12.41</i>		
<i>30285 M</i>	3rd "	<i>948</i>				<i>20200</i>	✓			<i>& Co.</i>	<i>Germanischer Lloyd</i>		
	Collective weight	<i>2848</i>	✓					<i>2440</i>	✓				
<i>10269 MH</i>	Stream	<i>260</i>	✓	<i>73</i>	✓	<i>7750</i>	✓	<i>240 ex stock</i>	✓	<i>Stock</i>	<i>Mauntpain</i>	<i>Making Works 2.42</i>	
<i>10270 MH</i>		<i>129</i>		<i>36</i>		<i>4880</i>				<i>Mauntpain</i>	<i>German Lloyd</i>		
						CHAIN CABLES.				HAWERS 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.	
	Mlength.	Dia.	Status.	Break- ing.	Supplied	Per Rule.	Mlength.	Dia.					Length.	Cir.		Length.	Cir.
169259D	386 1/2	3 1/8	31 7/8	24950	43250	9002	8420 kg.	38 5/8	3 1/8	Stud Links	S.M. Stahl. von Gehr. Thiel Kilken, fabricke	Makers books H.H. Germer, Lloyd	M	135	57	135	70
	✓		✓	✓	✓	✓	✓	✓	✓				TOWLINE	40 165	57	165	57
		✓	2 1/2					3 110	3 76				HAWERS } & WARPS }			165	102
Iron Chain Steel Wire	135	64											"				

Steering Gear, Type (Power or hand) *Electric by Thrige, Denmark.* Alternative Means of Steering *Blocks & Tackle*
Chains from Tiller to Motor.
 Steering Chains (Size and Test) *18 1/2 dia + see page 4.* Windlass *Thrige Electric* Boats *2 Skel e*
5-5 x 1.9 x 0.86.
6 x 1 1/2" pine
 Ceiling in Holds, thickness and material *50% pine on 252 battens* Cargo Battens, thickness, material and spacing *9" clear spa*
 Cargo Hatchways.—(Upper Deck) *800 x 11.0* Thickness of Hatches *607.*
 Size of Hatchways No. 1 (Fwd.) *M 6.5 x 4.0* No. 2 *M 9.9 x 4.0* No. 3 *M 8.25 x 4.0* No. 4 *M 8.25 x 4.0* No. 5 *-* No. 6 *-*
 Number of Shifting Beams } *4* *6* *5*
 and/or Fore and Afters }

Builder's Signature _____

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. — The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This ship was built to class + 100 ~~A~~ with Germanischer-Lloyd. The vessel has been surveyed afloat + on a floating dock. The scantlings and arrangements are in accordance with or equivalent to the Society's Rules + Regulations for the class intended. (See plans examined) Certificates have been sighted indicating that the material was tested to the requirements of Germ. Lloyd and the vessel has been examined + the workmanship found satisfactory. The vessel is constructed to carry water ballast in N^o 1 + 2 Double Btm tanks + in the After Peak, and oil fuel or water ballast in N^o 3 + 4 Double Bottom tanks. Tanks tested? Lubricating oil is carried in a small double bottom tank at the forward end of the Motor Room. The requirements of Section 20 of the Rules have been complied with where applicable. The flash point of the oil fuel is above 150° F. The windlass + steering gear have been tested under working conditions, and found satisfactory.

The amount of Freeboard Fee..... Kr. 150.⁰⁰ :
Special Survey Fee..... kr 650.⁰⁰
Telegrams, &c 100.⁷⁰
Travelling Expenses, if any \$ 79.³⁰
Labr fee 25.⁰⁰

Fees applied for,
Received by me,
29/7 19 46
29/7 19 46

I am of opinion the Vessel should be Classed /OOA I for Coasting service between the River Amazon + the River Plata.

Signature Hddann Mottafornum
Surveyors to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey No.
Certificate to be sent to Goltenburg X Date of issue ex 11/10/46.

Kil. 11 OCT 1946

Committee's Minute
Character assigned 1OOA I "Coasting Service between Rivers Amazon and Plata"
T. 46 Gt.
mchy aft. LMC T. 46 Oil Eng. Subject
O.G.

"Launched 1944."
"Commissioned 1946-7"

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.)

A provisional freeboard of 12" has been assigned for the voyage from Sweden to Brazil, and has been verified & cut in on the vessel's side. In view of the scantlings & arrangements it was not considered that any special preparation was necessary. The tonnage opening was, however, battened down.

Plans now forwarded.

Midship section, ✓ Fore & Aft Ends (6) ✓

Profile & Plans ✓

Stern frame & Rudder ✓

Engine seatings ✓

Bulkheads

* The builders were asked to produce the certificates for the steering chain but stated that the chain was delivered with the Steering Machine from Messrs. Thruge, who informed them that the chains fulfilled the requirements.

* The builders stated that the wire ropes were delivered with certificates which were later destroyed by a fire at the yard. The breaking loads cannot therefore be inserted but the wires were ^{stated to be} of the standard type manufactured by an approved Swedish firm.

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of Shell & deck plating, floors, frames & reversed frames in double bottom to shell & tank top, floors & bracket floors to centre girder & margin plate, Tank side brackets to Margin plate, Butts of Tank Top & Margin plate, pillar details.

pt elec welded?

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Coasting service between the River Amazon & The River Plate, Butts of Shell & deck plating electrically welded, Echo Sounding.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Head				Shank			
	1st Bower	2nd	3rd		1st Bower	2nd	3rd	
	608 kg	615	613	Germ. Lloyd 30266 M 23.12.41	282 kg	271	278	G.L. 30271 M 23.12.41
				30267 M "				30269 M "
				30268 M "				30270 M "

? combined Probings.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 126.0 ft., R.Q.D. — ft., Bridge — ft., Forecastle 29.2 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. Poop & Bridge joined

Official No. Signal Letters Extreme Breadth over Belting — Over-all Length 190.95 ft.

No. and Material of Decks One deck (steel) and Poop & Forecastle (steel) ✓

Parts of Bottom of Vessel coated with cement or approved composition Belges, fore Peak & Aft Peak

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.
Double bottom, aft, No 4 Tank (Open)	27.1	32	Fore peak tank, Dry.		
Double bottom, under Engines and Boilers, No 3 T.	34.3	34	After peak tank,	16.8	7
Double bottom, if under Engines only, No 2 T.	32.3	42	Deep tank, aft,		
Double bottom, if under Boilers only, No 1 T.	37.8	22	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	131.5	130	(If necessary furnish further information by sketch.)		

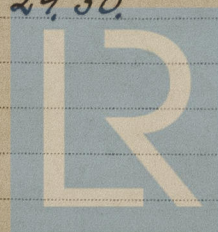
dubricating oil tank in E.R. for 19/22. 2.5 M3.

Order for Special Survey No.

Date

Dates of Surveys held while building

July 12, 12, 15, 16, 18, 22, 23, 25, 26, 27, 29, 30.



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Total No. of Visits 13