

STEEL STEAMER ~~OF MOTORSHIP~~

16 OCT 1926

Received at London Office

State if Report has been sent on the Freeboard of the Vessel

Sent now.

State if Report is sent on the Machinery of the Vessel

No.

Date of completion of report

13th Oct 1926.

Port of

Lisbon

Survey held at

Lisbon

Date First Survey

3rd June 1925

Last Survey

13th Oct

1926

On the

Steel Steamer "MIRANDELLA" EX "Fernão Veloso"

State Type

Well deck with bridge & poop combined

State Type of Erections

Topgallant foreccastle

TONNAGE under
Tonnage Deck...

4752

CLASS

100A1 Contemplated

as condition of Class

yes

Built at

Vegeack in 1906.

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 410.8

Launched

Yard No.

Total

Gross Tonnage

5105

NETT
Register Tonnage

3244

Breadth (greatest moulded)

B 52.7

Builders

Bremer Vulcan

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

D 30.87

Owners

Sociedade Geral de Comercio
Industria e Transportes, Ltd.

1st Longitudinal Number (L x D)

2nd Numeral L x (B + D)

Managers

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

Residence

Port of Registry

Lisbon

If surveyed while building, afloat, or in dry dock

Afloat - Drydock June 1925

REGISTERED DIMENSIONS.

Length 409.3
Breadth 52.7
Depth 28.0

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	26 1/2		Bracket Floors, Frame	✓	
" " from 1/2 length to Collision bulkhead	26 1/2		" " Reversed Frame	✓	
FROM COLLISION BULKHEAD TO 3RD FR. AFT.	18		" " Vertical Struts	✓	
" " in peaks	18		Centre Girder, depth and thickness amidships	47 10	13 UNDER 20 BOILERS
SIDE FRAMING. Continued on last page			" " top Angles	4 1/2	29 12 20
Frame Amidships, Angle, [or]	7 3 1/2	11 20	" " bottom Angles	6 4	12 20
" " Extends up to	Bridge	OK	Side Girders, No. each side and thickness	3	10 20 10 20
Reversed Frame Amidships, Angle	✓		MARGIN PLATE depth (excl. of flange) and thickness	39	20 12 20
" " Extends up to	✓		" " Vertical Angle to Tank side	5 5	12 20
Depth of Framing Girder	✓		" " Bracket abaft 1/2 len. from stem	4 4	4
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	as above		" " Vertical Angle to Tank side	4 4	4
" " Second 'tween Decks, Angle, [or]	4 4		" " Gussets, spacing and scantling	22 1/2	20 12 20
" " Third " " " "	✓		" " Gussets, spacing and scantling	22 1/2	20 12 20
Framing in Peaks, Angle [or]	9 3 1/2	13 20	Tank Side Brackets, height above base line at toe of Frame and thickness	62"	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	9 3 1/2	20 20	INNER BOTTOM PLATING, Boiler Room	46 1/2	10 20
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	58	20 20
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	Tier of beams below main deck in No 1 hold 4 lines of hold stringers		Thickness of remainder in Holds	8	20
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frame bars in No 1 tank as far forward as possible		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	
ANGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships	10 3 3/4	11 ALT. 20 FRs
Height of Brackets at side above base line at toe of frame	✓		" " in Well, Angle, [or]	11 4	12 ALT. 20 FRs
Middle Line Keelson, on Floors, Angles, [or]	✓		" " in way of Bridge, Angle, [or]	11 4	12 ALT. 20 FRs
" " Through Plate or Intercoastal Plate	✓		Spacing	ALTERNATE FRAMES	
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, [or]	8 3 1/2	9 20
" " Flat Plate Keel Angles	✓		Spacing	EVERY FRAME	
Keelsons, No. each side	✓		Third Deck, amidships, Angle, [or]	11 4	11 20
" " thickness of Intercoastal Plate	✓		Spacing	ALTERNATE FRAMES	
" " Angles	✓		Fourth Deck, amidships, Angle, [or]	✓	
DOUBLE BOTTOM. UNDER BOILERS	10 20	every frame	Spacing	✓	
Engines	10 20	every frame	Poop Deck, Angle, [or]	9 3 1/2	9 20
Elsewhere	20	9 20	Spacing	ALTERNATE FRAMES	
Are Frame and Reversed Frame joggled?	yes		Bridge Deck, Angle, [or]	9 3 1/2	9 20
Bracket Floors, breadth and thickness at middle line	✓		Spacing	ALTERNATE FRAMES	
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, [or]	9 3 3/4	10 20
			Spacing	EVERY FRAME	

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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.....	2		66	12 20
" main in 'tween Decks, Size and Spacing.....	Solid 32" dia on alt. frames 5" dia at caplin from hatch ends			8 20
" bridge " " Solid 24" dia 38" + 43" dia similarly spaced				8 20
" No Hold lower " " Built tubular 9 1/2" dia at hatch corners or 10" a. girders				8 20
" " " " No 1 Hold Tubular at 8 1/2" dia				8 20
" " " " ELSEWHERE	15 1/2			
Centre Line Bulkhead.				
Stiffeners and Spacing.....	✓	✓	58	9 20
Plating, thickness of	✓	✓		
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	66 14 1/2 20			
" " " " in way of Bridge	66 16 20			
" Angle in Wells	48 4 1/2 10 20			
Thickness of Plating abreast Deck openings) in way of Wells	8 5 9 20			
Thickness of Plating abreast Deck openings) in way of Bridge	9 1/2 20			
Thickness of Plating within line of openings...	9 1/2 20			
If Sheathed, material and thickness	3" Teak with line or african wood.			
Second Deck.				
Stringer Plate, breadth and thickness in Wells...	66 10 6 9 1/2 20			
Stringer Plate, breadth and thickness in way of Bridge				
Thickness of Plating abreast Deck openings) in way of Bridge				
Thickness of Plating within line of openings...				
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				
Plating, Sheathing, material and thickness				
Bridge Deck.				
Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness				
Forecastle Deck.				
Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness				

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN SEVEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>not</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or. to cr.		Diam.	Spacing or. to cr.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	39 1/2	15 20	12 1/2 20	12 1/2 20		double	1	4 1/2				
" DBLG. (if any)		13 20										
BOTTOM PLATING, No. of Strakes	4	13 20	11 1/2 20			double	1	3 5/8	4	1	3 5/8 Lapped	
BILGE PLATING, No. of Strakes	2	15 20	upper 12 lower 14 1/2	10 1/2 20		"	1	3 1/2	4	1	3 1/2 "	
SIDE PLATING, No. of Strakes	3	12 1/2 20	11 1/2 20	9 1/2 20		"	1	3 3/4	4	1	" "	
UPPER DECK, Sheer-strake in Wells		28 1/2 20	12 1/2 20	14 20		"	1	3 5/8	Treble	1	3 5/8 Strapped	
UPPER DECK, Sheer-strake in Bridge		20 20	20	20		"	"	"	"	1	" "	
STRAKE BELOW Sheer-strake in Wells		20	20	20		"	7/8	3 1/2	5	7/8	3 1/4 Lapped	
STRAKE BELOW Sheer-strake in Bridge ...						"	"	"	"	"	"	
POOP SIDE PLATING						"	3/4	3 1/4	2	3/4	3 1/8 "	
BRIDGE SIDE PLATING						"	3/8	"	double	3/8	3 1/2 Strapped	
FORECASTLE SIDE PLATING						"	"	"	3	3/8	3 Lapped	

[illegible]

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		None		
STEM		Forging		
STERN FRAME	{ Propeller Post { Rudder "	12" x 2 7/8" Cast Steel 14 1/4" x 8"		
RUDDER—A x D				
Speed of Vessel				
RUDDER	STOCK main piece at head ... " " heel ... " how constructed " double or single plate " coupling, vertical or " horizontal	Forging 11" dia		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Middleboro'.* *Materials appear to be of good quality and well*
preserved.
Has the Steel been tested as required by the Rules? ☒

EQUIPMENT No.									LETTER						ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLES.	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
	1st Bower ...															
	2nd „ ...															
	3rd „ ...															
	Collective weight.															
	Stream															

Number of Certificate.	Length and size supplied.		Test per Certificate. Stress Breaking		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.	Tons.	Cwts.	Supplied.	Per Rule.	Length.	Diam.	Patoms.	Inch.	Patoms.	Inch.										
	Fathoms.	fms.	Tons.	Cwts.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Inch.							TOWLINE... HAWSEERS & WARPS }	Fathom.	Inch.	Tons.	Fathom.	Inch.
																	"					
	Oir.																"					
Iron Stream } Chain or Steel Wire }																	"					

Steering Gear, Steam *Horizontal. Bremer Vulcan* Steering Gear, Hand *Right & Left hand screw.*

Boats Steering Chains, Size and Test *13/8* Windlass *Vertical engine
side check type
Bremer Vulcan.*

Ceiling in Holds, thickness and material *2 1/2" Pine* Cargo Battens, thickness, material and spacing *5" x 2" Pine - 8"*

Cargo Hatchways. — (Upper Deck) *4* Thickness of Hatches *2 3/4"*

Size of No. 1 Hatchway (Forward) *26'-10
14-1* No. 2 *31'-3"
17-1* No. 3 *Bunker
17'-10 x 13'-9"
14-10* No. 4 *31'-3"
14-10* No. 6 *31'-3"
14-10*

Number of Shifting Beams and/or Fore and Afters *No. 1, 2, 3 & 4 hatches — 3 shifting beams & 3 foa's
Bunker hatch 2 shifting beams & 3 foa's.*

Builder's Signature

The amount of Entry Fee	19
Special Survey Fee.....	19
Travelling Expenses, if any	19

State whether the Vessel has been built under Special Survey Romanischer Lloyd Signature [Signature]
Certificate to be sent to Lisbon Date of issue 12/9/27 Surveyor to Lloyd's Register of Shipping. [Signature]

Committee's Minute
Character assigned

FRI. 27 MAY 1927
FRI. 19 AUG 1927

TUES. 14 FEB 1928

TUE. 11 SEP 1928

002279-002288-0220 2/2

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.)

FRAMES, Contd:- From collision bulkhead to 3rd frame aft $8\frac{1}{2} \times 3\frac{1}{2} \times \frac{11}{20}$ []
Thence to 5th frame aft of WT. bulkhead
between No 1 & 2 Holds 4 4 4 4

Thence to deep tank forward bulkhead $7\frac{1}{2} \times 3\frac{3}{4} \times \frac{12}{20}$ []
In deep tank 4 4 4 4

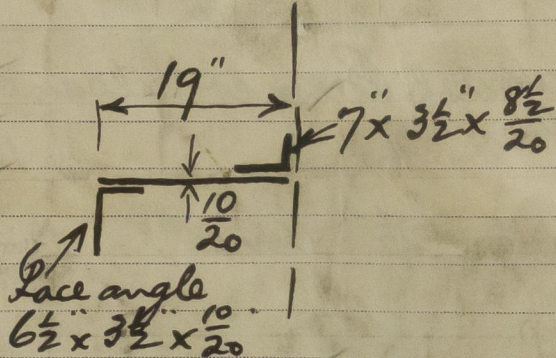
" bunker $3\frac{1}{2} \times \frac{4}{20}$ 4

" Engine & Boiler space 4 4 4 4

From " bulkhead to 11th frame aft. 4 4 4 4

Thence to after peak bulkhead $9 \times 3\frac{1}{2} \times \frac{9}{20}$ []

WEB, No 2 Hold 4
Deep Tank 1
Bunker 1
E & B space 6
No 3 Hold 4
" 4 " 3



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

1st Bower

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop and ft., R.Q.D. ft., Bridge 259.8 ft., Forecastle 49.8 ft.

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated JOINED.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) Two decks, steel

Official No. ✓ ; Signal Letters ✓

Is bottom of Vessel coated with cement No if not give

particulars of composition $\frac{1}{2}$ " to $\frac{3}{4}$ " thick Bitumastic composition

PARTICULARS OF WATER BALLAST.— No information yet—To get later.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
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.)		

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

Order for Special Survey No. _____

Date _____

Dates of Surveys held while building



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