

STEEL STEAMER or MOTORSHIP.

25 OCT 1932

Received at London Office

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.

Port of LISBON.

No. 2201.

Date of completion of report 22 - 10 - 32

Date First Survey 15 - 8 - 31

Last Survey 19 - 10 - 1932

Survey held at LISBON.

On the (State if Machinery is of A1 and A2 Class, Twin or Single Screw) Twin Screw Steamer "MOÇAMBIQUE"

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

State Type of Erections Poop, Long bridge and Forecastle.

TONNAGE under Tonnage Deck

CLASS

State if with freeboard as condition of Class

FEET.

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 399.41

Breadth (greatest moulded) B 52.2

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 32.6

1st Longitudinal Number (L x D) =

2nd Numeral L x (B + D) =

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

Built at Glasgow.

Launched - Yard No. 427

Builders A. Stephen & Sons, Ltd.

Owners Cia. Nacional de Navegação.

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

Residence LISBON.

Port of Registry LISBON.

If surveyed while building, afloat, or in dry dock

Afloat and Drydock.

REGISTERED DIMENSIONS.

Length 400.8

Breadth 52.25

Depth 24.8

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"		Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead	26"		" " Reversed Frame		
" " in peaks	24"		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	44" x 1 1/2"	
Frame Amidships, Angle, E or L	9 1/2" x 3 1/2" x 10"		" " top Angles	3 1/2" x 3 1/2" x 10/20"	
" " Extends up to	Main deck. Every 4th to Shelter deck. Every 2nd to Upper deck.		" " bottom Angles	4 1/2" x 4 1/2" x 14/20"	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	One 7/20"	
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	31" x 9/20"	put letter.
Depth of Framing Girder	Angle 5" x 3 1/2" x 8"		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 1/2" x 3 1/2" x 8/20"	
Frames in Uppermost Continuous 'tween Decks, Angle, E or L	bulb 9 1/2" x 3 1/2" x 10/20"		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3 1/2" x 3 1/2" x 6/20"	
" " Second 'tween Decks, Angle, E or L	Alternate angle 5" x 3 1/2" x 8/20" & bulb 9 1/2" x 3 1/2" x 10/20"		" " Gussets, spacing and scantling abaft 1/4 len. from stem	3 frame spaces 18" x 5/8"	see plans
" " Third " " "	9-1/2" x 3 1/2" x 10/20"		" " Gussets, spacing and scantling forward 1/4 len. from stem	3 frame spaces 18" x 5/8"	
Framing in Peaks, Angle or L	F.A.P. 9 1/2" x 3 1/2" x 1" & bulb 5" x 3 1/2" x 3/8" with rev		Tank Side Brackets, height above base line at toe of Frame and thickness	6'-10"	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	double 5" x 3 1/2" x 3/8" & 4 1/2" x 3 1/2" x 1/2"		INNER BOTTOM PLATING.		
State if Frame Joggled	3/4" x 6" 7/8 No.		Breadth and thickness of Middle Line Strake		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Tiers of beams & side stringers.		Thickness of remainder in Holds	3/8"	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Half height Intercoastal	see general deduction	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.	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or L	9" x 3 1/2" x 9/20"	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or L	9" x 3 1/2" x 9/20"	
Middle Line Keelson, on Floors, Angles, E or L			Spacing	Alt. frames	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or L	9 1/2" x 3 1/2" x 11/20"	
" " Foundation Plate on Floors			Spacing	Alt. frames	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or L	9" x 3 1/2" x 10/20"	
Side Keelsons, No. each side			Spacing	Every frame.	
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or L	- - -	
" " Angles			Spacing	- - -	
DOUBLE BOTTOM.			Poop Deck, Angle, E or L	8" x 3 1/2" x 9/20"	
Solid Floors, thickness and spacing	8/20" every frame.		Spacing	Alt. frames.	
" " Are Frame and Reversed Frame joggled?	Yes.		Bridge Deck, Angle, E or L	6" x 3" x 3/8"	
Bracket Floors, breadth and thickness at middle line			Spacing	51"	
" " breadth and thickness at margin plate			Forecastle Deck, Angle, E or L	9" x 3 1/2" x 9/20"	
			Spacing	Alt. Frames.	

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	2	
" in 'tween Decks, Size and Spacing....	Widely spaced.	
" " " " "	" " "	
" in Holds " "	" " "	
" " " " "	" " "	
Centre Line Bulkhead.		
Stiffeners and Spacing.....	- - -	
Plating, thickness of	- - -	
STRINGERS AND DECKS.		
Uppermost Continuous Deck.		
Stringer Plate, breadth and thickness in Wells	4'-0"x1/2"	
" " " " in way of Bridge	4'-0"x5/8"	
" Angle in Wells	3 1/2"x3 1/2"x3/8"	
Thickness of Plating abreast Deck openings in way of Wells	3/8" & 1/2" <i>at ends beyond channel.</i>	
Thickness of Plating abreast Deck openings in way of Bridge	1/2"	
Thickness of Plating within line of openings...	3/8"	
If Sheathed, material and thickness	Teak 2 1/4"	
Second Deck.		
Stringer Plate, breadth and thickness in Wells...	54"x 1/2"	
Stringer Plate, breadth and thickness in way of Bridge	54"x 1 1/2"	
Thickness of Plating abreast Deck openings in way of Wells	3/8"	
Thickness of Plating abreast Deck openings in way of Bridge	3/8"	
Thickness of Plating within line of openings...	5/16"	
If Sheathed, material and thickness ..Pitch	pine 2 1/4"	
Third Deck.		
Stringer Plate, breadth and thickness.....	56"x1/2"	
If Plated, state thickness.....	5/16"	
Fourth Deck.		
Stringer Plate, breadth and thickness.....	- - -	
If Plated, state thickness	- - -	
Poop Deck.		
Stringer Plate, breadth and thickness	32"x 3/8"	
Plating, Sheathing, material and thickness ...	Teak 2 1/4"	
Bridge Deck.		
Stringer Plate, breadth and thickness..Channel iron	11"x3 1/2"x3 1/2"x1/2"	
Plating, Sheathing, material and thickness ..	5/16"; Teak 2 1/4"	
Forecastle Deck.		
Stringer Plate, breadth and thickness	42"x 3/8"	
Plating, Sheathing, material and thickness ...	1/4"; Teak 2 1/4"	

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	No.	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAIPPED 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							D	1 1/8"		4	1 1/8"		Strapped.	
" DBLG. (if any)							D			-			Lapped.	
BOTTOM PLATING, No. of Strakes 4							D	7/8"	4	4	7/8"	4"	"	
BIDGE PLATING, No. of Strakes 2							D	3/4"	3 3/4"	4	3/4"	3 3/4"	"	
SIDE PLATING, No. of Strakes 3							D	3/4"	3 3/4"	4	3/4"	4"	"	
UPPER DECK, Sheer-strake in Wells.....							D	-	-	4	-	-	"	
UPPER DECK, Sheer-strake in Bridge ...							D	7/8"		4	7/8"		Lapped.	
STRAKE BELOW Sheer-strake in Wells.....							D	-	-	4	-	-	"	
STRAKE BELOW Sheer-strake in Bridge ...							D	3/8"	3 3/4"	4	3/4"	4"	Lapped	
POOP SIDE PLATING							D	3/4"	4"	2	3/4"	4"	"	
BRIDGE SIDE PLATING ...							-	3/4"		-	3/4"		-	
FORE'C'TLE SIDE PLATING							D	3/4"		2	3/4"		Lapped.	

Total No. of W.T. BULKHEADS in Vessel—	6
Extending to Upper Deck (Sec. 3 c)	5
" Deck next below	1
As per Rule	

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	-			
STEM	Forging	9 5/8" x 3 1/4"		
	Brackets			
STERN FRAME	Propeller Post	Castings		
	Rudder Post	"		
		8 7/8" x 3 3/4"		
RUDDER—A X D				
Speed of Vessel	135 knots.			
RUDDER mainpiece at head ..	10 1/2"			
" " heel ..	7 3/4"			
" how constructed ..	5 ARMS	shrunk.		
" double or single plate	Single plate			
" coupling, vertical or horizontal	Horizontal.			

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Has the Steel been tested as required by the Rules?

Number of Certificate.	Anchors.	WEIGHT, &c. STOCK.			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.	Tons.	cwts.	qrs.	lbs.	Cwts.			
13268	1st Bower ...	69	0	0				53	5	0	0	63.3.0.0	Byers Stockless	-	Sunderland 24-6-10, A.
11052	2nd " ...	68	2					52	18	3		" "	"	-	" 10-6-08, W.
62253	3rd " ...	59	2	21				48	4	1	14	" "	Halls Stockless	N. Hingley & Sons	Netherton 24-4-09
	Collective weight.	197	0	21								182.0.0.0			
61024	Stream	19	3	26	4	3	13	20	15	2	0	17.2.0.0	Rodgers	N. Hingley & Sons	

[illegible]

Steering Gear, Steam J. Hastie & Co. Ltd., Greenock No. 742 Steering Gear, Hand - Same.

Boats Eleven. Steering Chains, Size and Test Telemotor Windlass Harfiel & Co. Ltd. London

Ceiling in Holds, thickness and material In square of hatch only Cargo Battens, thickness, material and spacing 2 1/4", Pine, 9" spacing. No. 6543

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

Size of No. 1 Hatchway (Forward) 17.1 1/2" x 14 1/2" No. 2 17.7 x 14 No. 3 17.2 1/2 x 14 No. 4 15.0 x 14 No. 5 - No. 6 =

Number of Shifting Beams and/or Fore and Afters No. 1-3; No. 2-4; No. 3-3; No. 4-2;

Builder's Signature

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel No. (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,

The amount of Entry Fee £ 250:0 :0 } Fees applied for.
Special Survey Fee.... £ : : } 19
Received by me, *adm*
25/10/1932
Travelling Expenses, if any £ : : }
I am of opinion the Vessel should be Classed - *100 A1* *with 2 months*
State whether the Vessel has been built under Special Survey Yes. *B.C.*
Signature *E. J. Hume*
Certificate to be sent to *Lisbon Office* Date of issue *Not today / No classing*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute / **FRI. 24 FEB 1933**
 Character assigned *100A1 subject*
with preboard
J.S. 2nd N-3-10, 32 *L.M.C. 8, 31* *S. 9, 31*
C.L. F.D.

Winkles (~~del~~) Lloyd's A.C.

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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.)

Vessel placed in dry dock, bottom, outside plating, shell rivets, stem, stern post and rudder cleaned, examined and coated. All ceiling and limber boards in holds and bunkers removed, and steel work exposed and coated.

Examined all steel work, frames, stringers, plating, beams, beam knees, floors, intercostals, keelsons, engine and boiler bearers, decks and watertight bulkheads.

Examined engine and boiler room spaces, bunkers, forecastle spaces, chain locker and chain fastenings, bridge and poop spaces. Steel work in way of side lights examined.

Examined plating in way of ash shoots, deck openings, hatches, hatch supports, covers, cleats, tarpaulins, and ventilators. Mast wedges removed and plating in way examined.

Anchors and cables ranged and examined. 270 fathoms 2 4/16".

Wood decks drilled for thickness and found satisfactory.

Peak and double bottom tanks examined internally and tested with water to Rule requirements.

Windlass, steering engine, tiller and quadrant, examined.

Arrangement of air and filling pipes for tanks found satisfactory.

Doublers fitted under all sounding pipes.

Watertight doors examined under working conditions. Shell plating drilled. (List already approved by the Committee). The materials and workmanship are of good description.

The strengthening of the bottom forward, margin connections, the construction of the rudder, bulkheads, tunnel, hatchways, arrangements to prevent panting and the construction of the vessel at the forward end of the bridge have been examined and found to be satisfactory.

The scantlings have been verified. The deck houses have been specially examined, and are of substantial construction, efficiently supported, also the arrangement of the pillars throughout the vessel are satisfactory.

All strengthening as indicated in the approved plans, carried out satisfactorily as per letter to Secretary, Ref. M. dated 6th October, 1932.

The vessel is of good construction and in good order and eligible in my opinion to be classed -100 A1 with notations of S.S.Nº.3 Lis.10,32, Date of Survey 10,32, equipment letter "z" and Lloyd's A. & C.P., subject to 90 fathoms 5" steel stream wire and 120 fathoms 5" steel towline being supplied on vessel's return in about 9 weeks.

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

1st Bower 1-19-1-16 W.Campbell, 4208. 10th & 21st -3-10 L.R. of S. Newcastle-on-Tyne

2nd „ 1-18-1-15, Elegible, 381. 30-1-08. B.C. Cert. Essen.

3rd „ 1-18-1-0, W.Campbell, 4796. 25th & 30th -3-09. L.R. of S. Newcastle-on-Tyne.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 50.75ft., R.Q.D. - ft., Bridge 173.33, Forecastle 77.83ft. (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 Deck steel pitch pine Sheathed & Shelter deck steel teak Sheathed.

Official No. - ; Signal Letters H.B.W.F. Is bottom of Vessel coated with cement Cement. if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	119	232.9	Fore peak tank,	20	58
Double bottom, under Engines and Boilers,	80	342.4	After peak tank,	14	42
Double bottom, if under Engines only,	-	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	159	407.5	Other tanks, if fitted,	-	-
Total capacity of double bottom		982.8	(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. M.

Date 21 - 8 - 31.

Dates of Surveys held while building



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Total No. of Visits 29.