

STEEL STEAMER ~~MOTORSHIP~~

Received at London Office

-4 MAY 1936

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 *30th APRIL 1936* Port of *BREMEN*Survey held at *WEJERMÜNDE*Date First Survey *18th MAY 1935*Last Survey *22nd APRIL*

1936

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *STEEL SINGLE SC. STEAMER "LEONIAN"*

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

COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENINGS

State Type of Erections

SHELTERDECK AND OPEN FORECASTLE.

TONNAGE under Tonnage Deck...

*4446.54*CLASS **100 A1*

State if with freeboard as condition of Class

*YES*Built at *WEJERMÜNDE*

Do. of space or spaces between Tonnage Dk. and Upper Dk.

2086/70

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

*400.76*Launched *25th FEBRUARY 36* Yard No. *898*Builders *DEUTSCHE SCHIFF- & MASCHINENBAU A.G. WERK JEEBECK.*

Total

*6573.24*Breadth (greatest moulded) B *57.50**57.50*Owners *UNITED AFRICA CO. LD.*

Gross Tonnage

5424.19

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

33.67

Managers

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

Register Tonnage

*201.80*1st Longitudinal Number (L x D)..... = *13.493**13.493*2nd Numeral L x (B + D)..... = *36.537**36.537*Residence *LONDON*

REGISTERED DIMENSIONS. FEET.

Length

417.5

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

22.19

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

*11.90*Port of Registry *LIVERPOOL*

Breadth

57.7

Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

Depth

23.6

Draught Moulded

*23.76**SURVEYED WHILE BUILDING ON STOCKS AND Afloat*

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	770		Bracket Floors, Frame	230 90 12	
" " from $\frac{3}{8}$ length to Collision bulkhead	685		" " Reversed Frame	230 90 11	
" " in peaks	610		" " Vertical Struts	380 80 10	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1060 13	
Frame Amidships, Angle, \angle	280 90 14.5		" " top Angles	90 90 11.5	
" " Extends up to	2 nd DECK		" " bottom Angles	100 100 13	
Reversed Frame Amidships, Angle	NONE		Side Girders, No. each side and thickness	ONE 9	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	900 13	
Depth of Framing Girder	280		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	90 10.5	11 see plan
Frames in Uppermost Continuous 'tween Decks, Angle, \angle or \angle	280 90 10		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	130 11.5	
" " Second 'tween Decks, Angle, \angle or \angle			" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	CONTIN. 10	
" " Third " " " "			" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	" 10	
Framing in Peaks, Angle, \angle	180 75 9.5		Tank Side Brackets, height above base line at toe of Frame and thickness	1650 10	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 ϕ 6.5-7.4		INNER BOTTOM PLATING.		
State if Frame Joggled	NO		Breadth and thickness of Middle Line Strake	2150 12.5	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	3 TIERS OF BEAMS AND STRINGERS ABT. 6' APART ON 15" L FROM STEM AND REVERSED FRAMES ON ALL FORMS OF 150		Thickness of remainder in Holds	10.5	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	3 BOTTOM STRAKES OF 16" THICKNESS SINGLE BOTTOM FRAMES, DOUBLE RIVETED, EXTRA INTERCOSTALS.		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	250 90 10.5	
Height of Brackets at side above base line at toe of frame			SHELTERDECK in Way, Angle, \angle or \angle		
Middle Line Keelson, on Floors, Angles, \angle or \angle			" " in way of Bridge, Angle, \angle or \angle		
" " Through Plate or Intercostal Plate			Spacing	770	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, \angle or \angle	340 100 14.5	
" " Flat Plate Keel Angles			FREEBOARD DECK Spacing	770	
Side Keelsons, No. each side			Third Deck, amidships, Angle, \angle or \angle		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, \angle or \angle		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	10 2310		Poop Deck, Angle, \angle or \angle		
" " Are Frame and Reversed Frame joggled?	YES		Spacing		
Bracket Floors, breadth and thickness at middle line	950 10		Bridge Deck, Angle, \angle or \angle		
" " breadth and thickness at margin plate	940 10		Spacing		
			Forecastle Deck, Angle, \angle or \angle	180 75 11	
			Spacing	610	

PILLARS AND DECKS.									
		IN SHIP.		IN SHIP.		IN SHIP.		IN SHIP.	
PILLARS, No. of Rows.....		ONE		✓		✓		✓	
" in 'tween Decks, Size and Spacing.....		65-80 1220-4270		✓		✓		✓	
" " " " " "		DIANA SPRING		✓		✓		✓	
" in Holds " " " "		NONE		✓		✓		✓	
Centre Line Bulkhead.		6300 90 13		✓		✓		✓	
Stiffeners and Spacing.....		6280 90 13		✓		✓		✓	
Two FRAME SPACES APART = 1540 7/8		6250 90 13		✓		✓		✓	
Plating, thickness of.....		6200 90 11		✓		✓		✓	
Stringers and Decks.		6180 90 9		✓		✓		✓	
Uppermost Continuous Deck.		1550 160		✓		✓		✓	
Stringer Plate, breadth and thickness.....		1550 160		✓		✓		✓	
" " " " " " in way of Bridge		✓		✓		✓		✓	
" Angle in Wall.....		150 150 165		✓		✓		✓	
Thickness of Plating abreast Deck openings in way of Wall.....		12		✓		✓		✓	
Thickness of Plating abreast Deck openings in way of Bridge.....		✓		✓		✓		✓	
Thickness of Plating within line of openings.....		95		✓		✓		✓	
If Sheathed, material and thickness.....		N6		✓		✓		✓	
Second Deck.		2020 10		✓		✓		✓	
Stringer Plate, breadth and thickness.....		2020 10		✓		✓		✓	

SHELL PLATING.									
SCANTLINGS.					RIVETING.				
AS IN VESSEL.					EDGES.				
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.					State if Joggled? NO				
STRAKES.					BUTTS.				
AMIDSHIPS.					RIVETS.				
Breadth. Thickness. Forward. Aft.					Diam. Spacing or 16 in.				
Flat Plate KEEL.....					DOUBLE 25 100 FOUR 25 90 LAPPED				
" DBLg. (if any) ✓					✓				
BOTTOM PLATING, No. of Strakes.....					DOUBLE 22 88 THREE 22 77 LAPPED				
BILGE PLATING, No. of Strakes.....					" 22 88 " 22 77 "				
SIDE PLATING, No. of Strakes.....					" 22 88 " 22 77 "				
UPPER DECK, Sheer-strake in Wall.....					" 22 88 FOUR 22 77 "				
UPPER DECK, Sheer-strake in Bridge.....					✓				
STRAKE BELOW Sheer-strake in Wall.....					DOUBLE 22 88 FOUR 22 77 LAPPED				
STRAKE BELOW Sheer-strake in Bridge.....					" 22 88 THREE 22 77 "				
POOP SIDE PLATING.....					✓				
BRIDGE SIDE PLATING.....					✓				
FORECASTLE SIDE PLATING.....					SINGLE 19 76 DOUBLE 19 76 LAPPED				

WATERTIGHT BULKHEADS.									
FORGINGS and CASTINGS.									
STIFFENERS.									
VERTICAL.									
HORIZONTAL.									
Midship Bulkhead, Upper tween decks									
" " Second " ✓									
" " Third " ✓									
" " Holds.....									
COLLISION " (in Hold).....									
AFTER PEAK " ".....									

STEEL.									
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS.									
DORTMUND - HOERDER-HÜTTENVEREIN A.G.; AUGUST-THYDEN-HÜTTE A.G.; RUHRSTAHL-ANTIEN-GESELLSCHAFT; HENRICHSHÜTTE-HATTINGEN (RUHR); DILLINGER HÜTTENWERKE, DILLINGEN-SAAR.									
Has the Steel been tested as required by the Rules? YES, BY THE SOCIETY'S SURVEYORS.									

EQUIPMENT No 38905									
LETTER A +									
ANCHORS.									
CHAIN CABLES.									
HAWERS AND WARPS.									
Steering Gear, Steam, YES, MADE BY SCHÄFFLE LÜBECK - GOOD									
Boats, 2 LIFE BOATS, EACH FOR 52 PERI.									
Ceiling in Holds, thickness and material IN WAY OF HATCHWAYS AND BILGES ONLY, 2 1/2" PINE.									
Cargo Hatchways, (Upper Deck) 5, RECTANGULAR - GOOD									
Size of No. 1 Hatchway (Forward) 29.21 x 20.00 No. 2 30.33 x 20.00 No. 3 14.10 x 20.00 No. 4 40.43 x 20.00 No. 5 22.76 x 20.00 No. 6									
Number of Shifting Beams and/or Fore and Afters No. 1 = 5, No. 2 = 5, No. 3 = 2, No. 4 = 7, AND No. 5 = 4 - GOOD.									
FORE AND AFTERS - NONE.									

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) 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 **YES, VEGETABLE OIL IN DEEP TANKS, SECT. 20 A OF THE RULES COMPLIED WITH.**
 This vessel has been built in accordance with the approved and amended plans, the requirements embodied in the Secretary's letters and in conformity with the requirements of the Rules. The workmanship is throughout of good quality and all steel materials used in the construction are made at works recognized by the Committee and tested in accordance with the requirements of the Rules by the Society's Surveyors. The double bottom tanks, peak tanks and deep tanks filled with water, tested as required and found tight and good. The Second Rudder has been filled, examined under pressure of 0.8 kg/cm² and found tight and good. All w.t. bulkheads and the tunnel have been tested by hose and found tight. The anchors and chain cables have been compared with the certificates and were found in order. The P.T.O.

The amount of Entry Fee... RM 180,-		Fees applied for,	
" " " " " " RM 320,-		29.4 1936	
Special Survey Fee RM 6712,-		Received by me,	
HAMBURG RM 110,-		20.5 1936	
Travelling Expenses, if any RM 462,-		20/5	
BREMEN RM 24,-		YES	
SPECIAL ATTENDANCE FEE RM		Signature	
State whether the Vessel has been built under Special Survey		Surveyors to Lloyd's Register of Shipping.	

Committee's Minute **FRI. 15 MAY 1936**
 Character assigned **+ 100 A 1**
 With freeboard
 Carrying Vegetable oil in Deep Tanks
 Lloyd's arch.
 Rudder Electrically welded
 + dmb 4.36
 J.D. CL
 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.)

General equipment examined and found complete and good. Approved electrodes have been used for electric welding.

Attached: 4 Forging- & Casting Certificates.
1 Interims Certificate.

Plans attached: 1 Midship Section as built.
11 Approved Plans.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *SHELTERDECK WITH FREEBOARD.*

RUDDER ELECTRICALLY WELDED - LLOYD'S A. & C.P. - CRUISER STERN.
THE VESSEL IS FITTED WITH "WIRELESS" AND "DIRECTION FINDING APPARATUS."
DOUBLE BOTTOM NOT USED FOR OIL FUEL, (CEMENT WAIVED) BUT THE RULES SECT. 20 & COMPLIED WITH.

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

1st Bower *No 3686 ANCHOR HEAD WEIGHING 42:0:9 CWTs DROPPED FROM 12' HEIGHT - R. LASCELLES, ANTWERP, 5.13.94*
2nd " *No 3685 " " " 40:2:8 " " " 12' " - " " " 5.1.34*
3rd " *No 892 " " " 35:2:15 " " " 12' " - N. STOLTE, MAGDEBURG, 26.4.35*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *42.7* ft., R.Q.D. *OPEN* ft., Bridge *42.7* ft., Forecastle *42.7* ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

SHELTERDECK AND OPEN FORECASTLE

No. and Material of Decks *1 DECK AND SHELTERDECK.*

Official No. *164286*; Signal Letters *GYSQ (See letter)* Is bottom of vessel coated with cement *YES* 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, <i>TANK No 4, 5 AND 6 =</i>	<i>108.6</i>	<i>254.4</i>	Fore peak tank,	<i>21.33</i>	<i>225.6</i>
Double bottom, under Engines and Boilers, <i>AIR & FEEDW.T.</i>	<i>40.6</i>	<i>176.6</i>	After peak tank,	<i>20.75</i>	<i>204.5</i>
Double bottom, if under Engines only,	<i>✓</i>	<i>✓</i>	Deep tank, <i>AMIDSHIPS PL. AND S.S.</i>	<i>25.08</i>	<i>230.0</i>
Double bottom, if under Boilers only,	<i>✓</i>	<i>✓</i>	Deep tank, forward,	<i>✓</i>	<i>✓</i>
Double bottom, forward, <i>TANK No 1, 2 AND 3 =</i>	<i>187.5</i>	<i>627.0</i>	Other tanks, if fitted,	<i>✓</i>	<i>✓</i>
Total capacity of double bottom		<i>1058.0</i>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. *45*

Date *4th FEBRUARY 35*

Dates of Surveys held while building

MAY 18, 21, 29, 31; JUNE 7, 17, 22, 25, 28, 29; JULY 3, 5, 6, 9; AUGUST 16, 23; SEPT. 6, 23; OCTOBER 15, 22, 23; NOVEMBER 2, 5, 8, 11, 15, 19, 22, 27, 28; DECEMBER 3, 5, 7, 11, 17, 23, 28; JANUARY 3, 6, 9, 14, 17, 21, 23, 27, 31; FEBRUARY 3, 6, 13, 17, 20, 23, 25, 28; MARCH 3, 6, 10, 13, 17, 18, 25, 27, 31; APRIL 2, 9, 16, 18 AND 22.

Total No. of Visits *68*