

## STEEL STEAMER or MOTORSHIP.

Received at London Office MON. 20 JUL 1925

State if Report has been sent on the Freeboard of the Vessel No.State if Report is sent on the Machinery of the Vessel YES.Date of completion of report 11th July 1925Port of HAMBURGNo. 16424Survey held at HAMBURGDate First Survey 24th JUNE 1924.Last Survey 8th JULY

1925.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SC. MOTORSHIP "DUISBURG"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings.) FULL SCANTLING.State Type of Erections COMB. POOP-BRIDGE AND FEH.TONNAGE under Tonnage Deck... 5557.95CLASS \* 100 A1.State if with freeboard as condition of Class No.Built at HAMBURG.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 450.40Launched 4. MARCH 1925 Yard No. 6385Total %Breadth (greatest moulded) B 58.00Builders VULCAN-WERKE, HAMBURG.Gross Tonnage 6529.84Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 29.53Owners DEUTSCH-AUSTRAL. DAMPFSC. GES.Register Tonnage 3800.481st Longitudinal Number (L x D) = 13300Managers Mo.

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

2nd Numeral L x (B + D) = 39424Residence HAMBURG.

## REGISTERED DIMENSIONS.

METER. FEET.

Length 137.26 = 450.33Breadth 17.76 = 58.27Depth 8.12 = 26.63Framing Depth "d," at middle of length. See Sec. 3 (1d) 15.66Proportions—Depth to Length—Uppermost continuous deck to top of keel 15.25Do. Long Bridge to top of keel 12.00Draught Moulded 25'-0 1/2"Port of Registry HAMBURG.

If surveyed while building, afloat, or in dry dock

YES: ON STOCK - AFLOAT AND IN DRY-DOCK.

## 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.
AMES, Spacing amidships	685			✓	✓	Bracket Floors, Frame			✓
" " from 1/2 length to Collision bulkhead	685			✓	✓	" " Reversed Frame			✓
" " in peaks	600	7	620	✓	✓	" " Vertical Struts			✓
	AND ICE FRAM.					Centre Girder, depth and thickness amidships	1120	x 11-13.5	✓
FRAME FRAMING.						" " top Angles	90	90 12-13	✓
Frame Amidships, Angle, E or [	250	90	12	✓	✓	" " bottom Angles	100	100 13 1/2	✓
" " Extends up to 2ND DECK.	270	90	13	✓	✓	Side Girders, No. each side and thickness	ONE	8.5 10	✓
Reversed Frame Amidships, Angle	150	75	11	✓	✓	Margin Plate depth (excl. of flange) and thickness	1100	x 13	✓
" " Extends up to...	3rd	DK.		✓	✓	" " Vertical Angle to Tank side	90	90 10.5	✓
Depth of Framing Girder	250			✓	✓	" " Bracket abaft 1/2 len. from stem	90	90 10.5	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or [	200	85	11.5	✓	✓	" " Vertical Angle to Tank side	90	90 10.5	✓
" " Second 'tween Decks, Angle, [ or [	150	70	8.5	✓	✓	" " Bracket forward 1/2 len. from stem	90	90 10.5	✓
" " Third " " " "				✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	400	x 11	✓
Framing in Peaks, Angle or [	190	85	10.5	✓	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem	350	x 11	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22	SPAC.	154	✓	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1620	2050 11	✓
State if Frame Joggled	No			✓	✓	INNER BOTTOM PLATING.			
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	ONE LOWER DK.			✓	✓	Breadth and thickness of Middle Line Strake	1320	12.5-10.5	✓
LENGTHENING OF BOTTOM FORWARD. State Particulars	TWO SIDE STRONG TIER BEAM STRENGTHENED FR. ICE FRAMES.			✓	✓	Thickness of remainder in Holds		10.5-9.5	✓
DOUBLE BOTTOM.	EXTRA INTERC. STRONG FRAM. STRONG SHELL.			✓	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & S. space and framing in Bunkers and Boiler Room? <u>YES.</u>		12.5	✓
Floors, Depth and thickness at mid-line in Holds				✓	✓	BEAMS.			
Height of Brackets at side above base line at toe of frame				✓	✓	Uppermost Continuous Deck, amidships	200	85 10	✓
Middle Line Keelson, on Floors, Angles, [ or [				✓	✓	" " in Wells, Angle, E or [	200	85 10	✓
" " Through Plate or Intercostal Plate				✓	✓	" " in way of Bridge, Angle, E or [	250	90 13.5	✓
" " Foundation Plate on Floors				✓	✓	" " Spacing	270	90 13	✓
" " Flat Plate Keel Angles				✓	✓	Second Deck, amidships, Angle, E or [	220	85 10.5	✓
Keelsons, No. each side				✓	✓	" " Spacing	270	90 13	✓
" thickness of Intercostal Plate				✓	✓	" " FORE HOLD	220	85 10.5	✓
" Angles				✓	✓	" " HALF DECK	220	85 11.5	✓
DOUBLE BOTTOM.						" " Spacing	1370	968	✓
Mid Floors, thickness and spacing	10-12	685		✓	✓	Fourth Deck, amidships, Angle, [ or [			✓
" Are Frame and Reversed Frame joggled? <u>YES.</u>	REV FRAM. NOT			✓	✓	" " Spacing			✓
Bracket Floors, breadth and thickness at middle line				✓	✓	Poop Deck, Angle, E or [	190	85 10 1/2	✓
" breadth and thickness at margin plate				✓	✓	" " Spacing	685		✓
						Bridge Deck, Angle, [ or [			✓
						" " Spacing			✓
						Forecastle Deck, Angle, E or [	250	90 12	✓
						" " Spacing	190	85 9.5	✓
							1370	685 600	✓



## 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.
	O	150	10						
<b>PILLARS, No. of Rows.</b> <i>CENTRE L. B. 2 Rows</i>	"	160	10	✓	✓	Stringer Plate, breadth and thickness in way of Bridge	1600	9.5	✓
"	"	195	10	✓	✓	Thickness of Plating abreast Deck openings in way of Wells	8	10	✓
" in 'tween Decks, Size and Spacing.....	"	180	10	✓	✓	Thickness of Plating abreast Deck openings in way of Bridge	8.5	10	✓
"	"	280	10	✓	✓	Thickness of Plating within line of openings...	8	10	✓
"	"	320	15	✓	✓	If Sheathed, material and thickness	✓	✓	✓
"	"	270	12	✓	✓	<b>Third Deck.</b>			
"	"	255	11	✓	✓	Stringer Plate, breadth and thickness.....	930	9	✓
"	"	260	12	✓	✓	If Plated, state thickness.....	9	✓	✓
"	"	250	11	✓	✓	<b>Fourth Deck.</b>			
" in Holds	"	170	10	✓	✓	Stringer Plate, breadth and thickness.....	✓	✓	✓
"	"	375	17	✓	✓	If Plated, state thickness	✓	✓	✓
"	"	480	18	✓	✓	<b>Poop Deck.</b>			
"	"	380	17	✓	✓	Stringer Plate, breadth and thickness	1200	11	✓
<b>Centre Line Bulkhead.</b>	"	340	12.5	✓	✓	Stringer Plate, breadth and thickness	1600	17.5	✓
Stiffeners and Spacing... <i>EVERY 2ND FRAME</i>	"	370	17	✓	✓	Plating, Sheathing, material and thickness	9	13.5	✓
"	"	390	17	✓	✓	<b>Bridge Deck.</b>			
Plating, thickness of	"	65	7.5	✓	✓	Stringer Plate, breadth and thickness.....	1600	17.5	✓
"	"	140	65	✓	✓	Plating, Sheathing, material and thickness	9	13.5	✓
"	"	190	85	✓	✓	<b>Forecastle Deck.</b>			
"	"	230	90	✓	✓	Stringer Plate, breadth and thickness	900	9	✓
"	"	6.5	7.5	✓	✓	Plating, Sheathing, material and thickness	8.5	75	✓
<b>STRINGERS AND DECKS.</b>									
<b>Uppermost Continuous Deck.</b>									
Stringer Plate, breadth and thickness in Wells	1300	12	✓	✓					
"	DOUBLING	15	✓	✓					
"	1600	10.5	✓	✓					
"	150	15	✓	✓					
" Angle in Wells	14	✓	✓	✓					
Thickness of Plating abreast Deck openings in way of Wells	DOUBLING	12	✓	✓					
Thickness of Plating abreast Deck openings in way of Bridge	9.5	✓	✓	✓					
Thickness of Plating within line of openings...	9.5	✓	✓	✓					
If Sheathed, material and thickness	✓	✓	✓	✓					
<b>Second Deck.</b>									
Stringer Plate, breadth and thickness in Wells...	✓	✓	✓	✓					

## SHELL PLATING.

SCANTLINGS.						RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.			State if jogged?	YES!	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	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 .....	1270	21	18	18	✓	Y.	DOUBLE ✓	25	98	QUADR. ✓ ENDS TRIPLE	25	88	LAPPED.		
„ DBLG. (if any)	Y.	Y.	Y.	Y.		Y.	Y.	Y.	Y.	Y.	Y.	Y.	Y.		
BOTTOM PLATING, No. of Strakes .....4.....)	1850	16	16	12	✓	Y.	DOUBLE ✓	22	88	QUADR. END. TRIPLE ✓	22	77	LAPPED.		
BILGE PLATING, No. of Strakes .....1.....)	1750	16	15	12	✓	Y.	Do ✓	22	88	Do ✓	22	77	Do		
SIDE PLATING, No. of Strakes .....4.....)	2000	16	15-14	11.5	✓	Y.	Do ✓	22	88	TREBLE ✓	22	77	Do		
UPPER DECK, Sheer- strake in Wells.....)	2000	17 ✓	Y.	Y.	✓	Y.	Do	22	88	Do	22	77	STRAPPED.		
UPPER DECK, Sheer- strake in Bridge ...)	2000	17 ✓	Y.	Y.	✓	Y.	Y.	16	100	QUADR. ✓	22	77	Y.		
STRAKE BELOW Sheer- strake in Wells.....)	Y.	Y.	18	Y.	✓	Y.	DOUBLE	22	88	TREBLE	22	77	LAPPED.		
STRAKE BELOW Sheer- strake in Bridge ...)	2000	16	11.5	11.5	✓	Y.	Do	22	88	Do	22	77	Do		
POOP SIDE PLATING .....	Y.	19	Y.	11.5	✓	Y.	Do	25	100	QUADR. ✓	25	88	Do		
BRIDGE SIDE PLATING ...	Y.	19	19	11.5	✓	Y.	Do	22	88	TREBLE	22	77	Do		
FORECASTLE SIDE PLATING	Y.	Y.	10.5-14	Y.	✓	Y.	Do	22	88	QUADR. ✓	22	77	Do		
	Y.	Y.	10.5-14	Y.	✓	Y.	Do	19	76	DOUBLE ✓	19	66	Do.		

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	9
Extending to Upper Deck (Sec. 3 c)	9
" Deck next below	9
As per Rule	YES.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	7-6.5	5130-658	760	✓	✓
" " Second DEEP OIL TANK	11.5-8	5190-85	610	✓	✓
" " " "	7.5-10	5250-90	760	✓	✓
" " Holds	11.5-8	5280-90	610	✓	✓
COLLISION	7.5-8	5190-85	610	✓	✓
AFTER PEAK	7.5-8	5190-85	610	✓	✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	FORGING	250 x 66/55	DORTMUNDER UNION.	✓
STERN FRAME	CASTING	320 x 230	O. GRUBSON & Co	✓
Propeller Post	CASTING	280 x 230	MAAGBURG.	✓
Rudder	CASTING	215 x 230	MAAGBURG.	✓
RUDDER—A x D.	CA 700	✓	✓	✓
Speed of Vessel	13 Kn.	✓	✓	✓
RUDDER mainpiece at head	FORGING	Dia 320	DORTMUNDER	✓
" " heel	Do	Dia 266	UNION.	✓
" " how constructed	KEYED ARMS	"	"	✓
" " double or single plate coupling, vertical or horizontal	SINGLE	29	✓	✓
	HORIZONTAL.	✓	✓	✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) S. M. OPEN HEARTH PROCESS:

PLATES &amp; PROFILES: "PHOENIX" A.G. HOERDER VEREIN, HOERDE - DORTMUND.

Has the Steel been tested as required by the Rules? YES!

Lloyd's Register Foundation



EQUIPMENT No. 43100

LETTER 6+

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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
418	1st Bower	69	2	3	✓	✓	✓	53	12	2	0	72 1/2	HALL STOCKLESS	O. GRUSON	DÜS-LOH. 31.5.24 M. BERG.
283	2nd "	69	0	14	✓	✓	✓	52	5	0	0		DO DO	MAGDEBURG.	" " 2.6.23 DO
424	3rd "	68	3	10	✓	✓	✓	53	5	0	0		DO DO	DO	" " 16.6.24 DO
	Collective weight.	207	1	27								207			
147	Stream	20	0	26	6	2	0	20	19	1	14	20.5	STOCK ANCHOR ORD.	DO	" " 10.5.22 DO

## 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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.		Length.	Diam.					Length.	Ins.		Length.	Ins.
11	272	2 7/16	107	150	882-2-0	844 1/4		300	2 7/16	STUD LINE	BARRIS AG.	VIENNA-LOH. 26.10.24.	TOWLINE	260	5 1/2	71	130	5 1/2
111	22	2 7/16	107	150	29-3-3					ORD. SHACKLES	HANSA M.F.	M. KOLBOW. DÜS. 2.9.24. J. GUST.	HAWSERS & WARPS	200	2 3/4	20	200	2 3/4
Iron Stream Chain or Steel Wire	120	5	59					120	5	ST. WIRE	✓	JOL. GUST. DÜS. 6.8.24.	"	200	20"	MANILLA	✓	✓

Steering Gear, ~~Steam~~ DIRECT ELECTRIC DRIVE (LEONHARD. SM. ARRA) Steering Gear, Hand YES: EFFICIENT.

Boats 4 a 7.2 x 2.3 x 0.99 m. Steering Chains, Size and Test NO CHAINS Windlass ELECTRIC. GOOD.

Ceiling in Holds, thickness and material 65 mm PINE Cargo Battens, thickness, material and spacing 150 x 50 PINE 180 SPACE.

Cargo Hatchways.-(Upper Deck) PLATES &amp; ANGLES AS APPROVED. Thickness of Hatches 75 AND 85 mm AND 100 IN WELL.

Size of No. 1 Hatchway (Forward) 17'-11" x 17'-11" No. 2 33'-8" x 17'-11" No. 3 19'-11" x 17'-11" No. 4 20'-1" x 17'-11" No. 5 20'-1" x 17'-11" No. 6 20'-1" x 17'-11".

Number of Shifting Beams and/or Fore and Afters No 1 = 3; No 2 = 5; No 3 = 3; No 4 = 3; No 5 = 3; No 6 = 3;

VULCAN-WERKE  
Hamburg und Stettin Actiengesellschaft

Builder's Signature

GENERAL DECLARATION This vessel has been built in accordance with the approved and amended plans, the requirements embodied in the Secretary's Letters, and in all other respects in conformity with the Rules and Society's Requirements. The workmanship is throughout of the best description for this Type of vessels, all parts conforming well with each other, without use of any packing, and efficiently riveted together. - The peak tanks, deep-tanks and double bottom tanks have been filled and tested as required by the Rules and were found perfectly tight. - Air sounding-pipes of all tanks comply with the Rules. - The painting-arrangements and strengthening of bottom forward have been carried out as approved and to our satisfaction. - All steel material used in the construction of this vessel have been made at works approved and tested by the Society's Surveyors in accordance with the Rules. -

P.T.O.

The amount of Entry Fee ..... £ 10: 0: 0  
 Special Survey Fee.... £ 363: 5: 0  
 Travelling Expenses, if any £ 16: 15: 0

Fees applied for,

14 July 1925

Received by me,

18/12/25

I am of opinion the Vessel should be Classed + 100A1.

State whether the Vessel has been built under Special Survey YES

Signature

H. M. J. Miers

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to HAMBURG OFFICE Date of issue 3/7/25.

Committee's Minute

FRI. 31 JUL 1925

Character assigned

Lloyd's A &amp; B

Lurice Ham

+ 200 b. 725 c. l.  
2 oil engines

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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.)

The Freeboard has been marked on the vessels sides by the Seiberüßgenossenschaft 1.38 m from top of deck to centre of Disc. and the draft corresponding to the Summer Freeboard is 25'-1 1/4" as given on the Builders Displacement Scale. —

The Anchors - chain cables have been compared with certificates and were found in order. Chockles are ordinary. —

Plans attached:

1. Section
2. Profile & Decks
3. Motor - seating
4. Capacity plan
5. Displacement Scale.
6. Test certificates
7. Inter. certificate.

The other approved Plans are being retained in this Office for use of in connection with the Sister vessel, Vulcan works Yard No 639. — Copies of approved plans are in the London Office. —

*L. Gries*

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

1st Bower HEAD: W = 45.0.18. DROP = 12'-0". L.R. 2907 KH. 16.5.24. K. HAUSS - DÜSSELDORF.  
2nd " " : W = 44.3.20 " = 12'-0". L.R. 1674 MB. 12.4.28. M. BERG - DO  
3rd " " : W = 44.0.27 " = 12'-0". L.R. 2908 KH. 16.5.24. K. HAUSS DO

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop <sup>COMBINO</sup> AND <sup>REAR</sup> Bridge 374.7 ft., Forecastle 55.4 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated POOP + BRIDGE COMBINED.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) TWO DECKS - TWO TIERS OF BEAMS STEEL

Official No. X; Signal Letters RFML Is bottom of Vessel coated with cement F.P.T. 18.19. If not given

particulars of composition TANKS: Nos 1-2-3-14-15-16-17-20-21-22 AND APT ASPHALT. DIESEL OIL TANKS NOT COATED.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, W. BAL.	130.3	388	Fore peak tank, W. BAL.	23.2	75
Double bottom, under Engines and Boilers, 74.17			After peak tank, W. BAL.	16.2	46
Double bottom, if under Engines only, AND UNDER NO 3 HOLD OIL		615	Deep tank, aft, AMIDSHIPS BRIDGE SIDES OIL OR W. BAL.	71.9	486
Double bottom, if under Boilers only, 195.58			Deep tank, forward, AMIDSHIPS		1177
Double bottom, forward, W. BAL.	134.8	475	Other tanks, if fitted, SETTling TANK } DIESEL OIL		607
	Total capacity of double bottom	863	(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. 86

Date 7. MARCH, 1924.

Dates of Surveys held while building

1924: JUNE 24. - JULY 11. - 15 - 16 - 18. - AUG. 13 - 19 - 21 - 27 - SEPT. 22 - OCT. 2. 9. 20. 25. 27  
NOV. 1. 8. 12. 14. 18. 21. 22 - DEC. 4. 10. 11. 13. 24. 27. 31. -  
1925: JAN. 14. 17. 23 - FEB. 9. 14. 23. 28 - MARCH 4. 7. 9. 13. 21. - APRIL 3. 27. -  
MAY 16. 20 - JUNE 5. 18. 24. 26. - JULY 4. 9. -

Total No. of Visits 52