

# STEEL STEAMER or MOTORSHIP.

Received at London Office

11 JUN 1925

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 6<sup>th</sup> JUNE 1925. Port of HAMBURG No. 16369

Survey held at FLENSBURG Date First Survey 5<sup>th</sup> MAY 1923 Last Survey 25<sup>th</sup> APRIL 1925.

In the (State if Machinery fitted Aft and (if Single, Twin or Triple Screw) STEEL SINGLE SC. SR. "STAD VLAARDINGEN."

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING WITH TONNAGE OPENINGS State Type of Erections FORECASTLE.

TONNAGE under 5535.80 CLASS \*100A1. State if with freeboard as condition of Class No Built at FLENSBURG

Launched 25. JAN. 1925 Yard No. 391.

Builders FLENSBURGER-SCHIFFSBAU-GES.

Owners HALCYON LIJN

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

Residence ROTTERDAM.

Port of Registry ROTTERDAM.

If surveyed while building, afloat, or in dry dock

YES! ON STOCK AND AFLOAT.

REGISTERED DIMENSIONS.

Length 142.93 = 468.94

Breadth 18.04 = 59.19

Depth 7.68 = 25.20

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 470.0

Breadth (greatest moulded) B 59.0

Depth at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 38.1

1st Longitudinal Number (L x D) = 17895

2nd Numeral L x (B + D) = 45627

Framing Depth "d," at middle of length. See Sec. 3 (1d) 12.34

Proportions—Depth to Length—Uppermost continuous deck to top of keel 12.34

Do. Long Bridge to top of keel 24.3 1/2

Draught Moulded 24.3 1/2

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.
<b>FRAMES, Spacing amidships</b>	27 1/2	✓	<b>Bracket Floors, Frame</b>	27 1/2	✓
" " from 1/4 length to Collision bulkhead	27 1/2	✓	" " Reversed Frame	27 1/2	✓
" " in peaks	24	✓	" " Vertical Struts	27 1/2	✓
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	1180 x 16	✓
<b>Frame Amidships, Angle, [ or ]</b>	240 90 12/14	✓	" " top Angles	Dopp. 90 90 14	✓
" " Extends up to	220 85 12	✓	" " bottom Angles	Dopp. 130 130 16.5	✓
<b>Reversed Frame Amidships, Angle</b>	225 90 15.5	✓	<b>Side Girders, No. each side and thickness</b>	3 0 12	✓
" " Extends up to	225 90 14.5	✓	<b>Margin Plate depth (excl. of flange) and thickness</b>	980 x 14	✓
<b>Depth of Framing Girder</b>	350 70 335	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	120 120 12	✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>	220 85 12	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	120 120 12	✓
" " Second 'tween Decks, Angle, [ or ]	27	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	Through Plate 520 x 10	✓
" " Third " " "	27	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	Through 520 x 10	✓
<b>Framing in Peaks, Angle or [</b>	220 85 13.5	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	2200 x 12-11	✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	1" x 6"	✓	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	No	✓	<b>Breadth and thickness of Middle Line Strake</b>	1400 x 14.5	✓
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	3 WEB FRAM 740 x 13	✓	<b>Thickness of remainder in Holds</b>	12.5	✓
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	3 SIDE STRINGERS	✓	<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bunkers and Boiler Room?</b>	YES AS APPROV.	✓
<b>SINGLE BOTTOM.</b>	Dopp. Bott. FRAM EXTRA INTERG. 3 Bott. STRAKES OF MIDSHIP THICK.	✓	<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>	27	✓	<b>Uppermost Continuous Deck, amidships in Webs, Angle, [ or ]</b>	190 85 11	✓
<b>Height of Brackets at side above base line at toe of frame</b>	27	✓	" " in way of Bridge, Angle, [ or ]	27	✓
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>	27	✓	<b>Spacing</b>	EVERY FRAME	✓
" " Through Plate or Intercoastal Plate	27	✓	<b>Second Deck, amidships, Angle, [ or ]</b>	240 90 12	✓
" " Foundation Plate on Floors	27	✓	<b>Spacing</b>	EVERY FRAME	✓
" " Flat Plate Keel Angles	27	✓	<b>Third Deck, amidships, Angle, [ or ]</b>	240 90 12	✓
<b>Side Keelsons, No. each side</b>	27	✓	<b>Spacing</b>	EVERY FRAME	✓
" " thickness of Intercoastal Plate	27	✓	<b>Fourth Deck, amidships, Angle, [ or ]</b>	27	✓
" " Angles	27	✓	<b>Spacing</b>	27	✓
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or ]</b>	27	✓
<b>Solid Floors, thickness and spacing</b>	EVERY FRAME 12-10	✓	<b>Spacing</b>	27	✓
" " Are Frame and Reversed Frame joggled?	YES	✓	<b>Bridge Deck, Angle, [ or ]</b>	27	✓
<b>Bracket Floors, breadth and thickness at middle line</b>	27	✓	<b>Spacing</b>	27	✓
" " breadth and thickness at margin plate	27	✓	<b>Forecastle Deck, Angle, [ or ]</b>	190 85 11	✓
			<b>Spacing</b>	EVERY FRAME	✓

003240-003244-030



## 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.
<b>PILLARS</b> , No. of Rows..... <i>CENTRE L. BULKH. 4</i>		2			Stringer Plate, breadth and thickness in way of Bridge .....	1940	x	12	✓
„ in 'tween Decks, Size and Spacing.....	350	x	11.5	✓	Thickness of Plating abreast Deck openings in way of Wells .....	✓			
„ „ „ „ „		✓		✓	Thickness of Plating abreast Deck openings in way of Bridge .....	12			✓
„ in Holds „ „	520	x	19.5	✓	Thickness of Plating within line of openings...	9			✓
„ „ „ „ „	420	x	15	✓	If Sheathed, material and thickness .....	No			✓
<b>Centre Line Bulkhead.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing..... <i>EVERY 2<sup>ND</sup> FRAME L. HATCH END BEAMS DOUBLE.</i>	180	75	10	✓	Stringer Plate, breadth and thickness.....	1935	x	9	✓
Plating, thickness of .....	280	90	14.5	✓	If Plated, state thickness.....	8			✓
		7.5		✓					
<b>STRINGERS AND DECKS.</b>					<b>Fourth Deck.</b>				
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness.....	✓			✓
Stringer Plate, breadth and thickness in Wells	2005	x	24	✓	If Plated, state thickness .....	✓			✓
„ „ „ „ in way of Bridge		✓		✓	<b>Poop Deck.</b>				
„ Angle in Wells .....	150	150	22.5	✓	Stringer Plate, breadth and thickness .....	✓			✓
Thickness of Plating abreast Deck openings in way of Wells .....		24		✓	Plating, Sheathing, material and thickness ...	✓			✓
Thickness of Plating abreast Deck openings in way of Bridge .....		✓		✓	<b>Bridge Deck.</b>				
Thickness of Plating within line of openings...	18	13	11.5	✓	Stringer Plate, breadth and thickness.....	✓			✓
If Sheathed, material and thickness .....	No.			✓	Plating, Sheathing, material and thickness ...	✓			✓
<b>Second Deck.</b>					<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness in Wells...	✓			✓	Stringer Plate, breadth and thickness.....	1100	x	9.5	✓
						7.5	x	12.5	✓
					Plating, Sheathing, material and thickness ...	3"		OREGON.	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>SIDE PLATING, Y/N</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 .....	1310	29.5 ✓	20.5	20.5		DOUBLE	32	128	QUADROUBLE	32	128	LAPPED.
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes .....	4	17.5 ✓	17.5	13	70	DOUBLE	25	100	QUADROUBLE	25	100	LAPPED.
BILGE PLATING, No. of Strakes .....	2	19.5 ✓ 19.0	17.5 25.0	13.5 13.0		Do	25	100	Do	25	100	Do
SIDE PLATING, No. of Strakes .....	4	18.0 ✓	13-25	12.5	1180	Do	25	100	Do	25	100	Do
UPPER DECK, Sheer- strake in Wells.....	1320	24.5 ✓	12.5	12.5	96	Do	28.5	114	QUINDROUBLE	28.5	128	Do
UPPER DECK, Sheer- strake in Bridge ...)	✓	✓	✓	✓	68	✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer- strake in Wells.....)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer- strake in Bridge ...)	✓	21 ✓	12.5	12.5		DOUBLE	25	100	QUADROUBLE	25	100	LAPPED.
POOP SIDE PLATING .....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
FOREC'TLE SIDE PLATING	✓	✓	11.0	✓		SINGLE	19	76	DOUBLE	19	70	LAPPED.

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

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).....8 (See letter)									
,, Deck next below.....✓									
As per Rule.....YES.									
		Plating Thickness.	STIFFENERS.				SCANTLING.	MATERIAL.	REMARKS.
			VERTICAL.		HORIZONTAL.				
			Scantling.	Spacing.	Scantling.	Spacing.			
MIDSHIP BULKHD., Upper tween decks		6.75	5 180 × 65 × 8.5	710 760	✓	✓			
"	" Second "	✓							
"	" Third "	✓							
"	" Holds .....	7.5-11	5 300 95 × 16.5	570	✓	✓			
<b>COLLISION</b>	" (in Hold) .....	7.5-14	✓	✓	5 220 85 × 11	600			
<b>AFTER PEAK</b>	" " .....	8-13.5	✓	✓	5 200 85 × 11	600			
<b>KEEL, Bar</b> .....						✓	✓	✓	✓
<b>STEM</b> .....						FORGED	260 × 80	THYSSEN.	
<b>STERN FRAME</b> { Propeller Post .....						STEEL	280 × 240	Rombacher	
{ Rudder " .....						CASTING	275 × 240	HÜCKE	
<b>RUDDER—A × D</b> .....550						✓	✓	✓	
<b>Speed of Vessel</b> .....12 Kn.						✓	✓	✓	
<b>RUDDER mainpiece at head</b> ...						FORGING	300 Dia	PRESS	
" " heel ...							228 Dia	WALZWERK	
" how constructed .....						KEYED	ARMS.	REISSHOLZ DÜSSELDORF.	
" double or single plate .....						SINGLE	28	✓	
" coupling, vertical or .....						Horizontal.	✓	✓	
" 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*

OF APPROVED WORKS: PLATES: AUG. THYSEN HÜTTE - PROFILES: THYSEN AND BROWN & TAWSE.

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



EQUIPMENT No. 47000												LETTER d+✓	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.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	owts.	qrs.	lbs.	Owts.			
566	1st Bower ...	79	3	19	✓	✓	✓	58	10	0	0	8114	GRUSON STOCKLESS	O. GRUSON	DÜSSELDORF - LONDON
567	2nd " ...	79	2	25	✓	✓	✓	58	10	0	0		Do Do	MAGDEBURG	4.3.25 M. BERG.
571	3rd " ...	79	1	10	✓	✓	✓	58	6	1	0		Do Do	Do	Do.
	Collective weight	238	3	26								232			
442	Stream .....	23	2	0	6	1	6	23	10	0	0	23✓	GRUSON - STOCK	Do	DÜSS-LON 11.8.24 M. BERG.

CHAIN CABLES.												HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate. Statu- tory. Break- ing.		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.	
					Supplied.		Per Rule.								Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
5.	300	2 1/2	114.3	160	51340		Kg	47752	300	2 1/2	Stud Link	BORSIGWERK	BORS-LEN 11.6.1923.	TOWLINE ..	130	5 1/2	88	130	6
Iron Stream Chain or Steel Wire														HAWSERS & WARPS }	300	3 1/4	30.7	200	2 3/4
														"	200	2 1/2	18.2	200	2 3/4
														"	✓	✓	✓	✓	✓
	90	1 9/16	43.180	61.80	119.3		4	116.0	120	1 9/16	Stud Link	DUISBURG-KETTEN.	LEN. 17.2.25. GUAST.	"	✓	✓	✓	✓	✓
	120	5 1/4		88					120	5 1/4	WIRE			"	✓	✓	✓	✓	✓

Steering Gear, Steam *STEAM QUADRANT WITH 4 ARMS* Steering Gear, Hand *YES! EFFICIENT.*

Boats *2 a 8450 x 2650 x 1185.* Steering Chains, Size and Test *42 Dia. TEST 32 - 64 TONS.* Windlass *STEAM. GOOD.*  
*2 a 6100 x 1955 x 820.*  
*1 a 5000 x 1830 x 650.*

Ceiling in Holds, thickness and material *DECK 2 1/2" PINE* Cargo Battens, thickness, material and spacing *2" PINE - 300 SPACE.*

Cargo Hatchways.-(Upper Deck) *CORNING 900 x 13.5-11. PLATES & ANGLES.* Thickness of Hatches *3" PINE.*

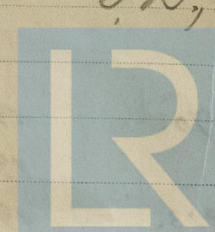
Size of No. 1 Hatchway (Forward) *18'-4" x 19'-8"* No. 2 *32'-1" x 28'-0"* No. 3 *36'-8" x 28'-0"* No. 4 *20'-7 1/2" x 20'-0"* No. 5 *36'-8" x 28'-0"* No. 6 *36'-8" x 28'-0"*  
*18'-4" x 19'-8"* No. 7 *19'-8" x 28'-3-20'-0"*

Hatches: *I II III IV V VI VII*  
Number of Shifting Beams and/or Fore and Afters *Shifting Beams: 1 3 3 1 3 3 1* *AS APPROVED. GOOD.*  
*Fore & Afters: 3 5 5 3 5 5 5*

*Flensburger Schiffsbau-Gesellschaft*  
Builder's Signature *Joh. J. J. J.*

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 good, all parts conforming well with each other and satisfactorily fitted together. - The double bottom tanks throughout also peak-tanks and deep-tanks have been filled and tested as required by the Rules and were found tight. - Air sounding-pipes of all tanks comply with the Rule requirements. The painting arrangement, strengthening of bottom forward, and construction of the Ore-trunks have been carried out as approved and to our satisfaction. -*  
*Anchors & chain cables compared with certificates and found in order. -*  
*The steel material used in the construction have been made at works approved and tested by the Society's Surveyors in accordance with the Rules. - The freeboard assigned is corresponding with a Summer draught of 24'-3 1/2" on Builders Displacement Scale. The vessel has been dry-docked at Rotterdam. See Rot. Report.*

The amount of Entry Fee ..... £ 10 : 0 : 0 Fees applied for, *13. MAY 1925*  
Special Survey Fee.... £ 358 : 2 : 6 Received by me, *19.6.1925*  
Travelling Expenses, if any £ 32 : 7 : 6  
FREEBOARD 12 : 0 : 0  
State whether the Vessel has been built under Special Survey *YES!*  
*Hamburg.* Signature *J. J. J.*  
Certificate to be sent to *the OWNERS.* Date of issue *19/6/25.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *13. JUN 1925*  
Character assigned *+ 100 A1 with freeboard*  
*Lloyd's A+C + Lmb. 4.25*  
*Write Ham.*  
*July*  
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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.)

Approved Plans attached!

- No. 1. Section.  
No. 2. Profile and Decks.  
No. 3. Rudder and Stern-frame & Chadrant.  
No. 4. Plan of deep-tank.  
No. 5. Plan of Fore-peak.  
No. 6. Plan of After-peak.  
No. 7. Plan of Beam-knees, altern. Arrangement.  
No. 8. 3. Certificates of tests (Stern-port & Rudder & Chadrant)  
No. 9. Inter. Certificate.

*L. Fries.*

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

1st Bower HEAD: W = 51.0.8 DROPP. 12.0" - L.R. 3326 K.H. 13.2.25. KARL HAUSS, DÜSSELDORF.  
2nd " HEAD: W = 50.3.7 DROPP. 12.0" - L.R. 3327 K.H. 13.2.25 Do.  
3rd " HEAD: W = 50.2.26 DROPP. 12.0" - L.R. 3328 M.B. 26.2.25 M. BERG, DÜSSELDORF.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 73.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *NO BRIDGE.*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *2 DECKS - 3 DECKS IN FORE HOLD.*

Official No. ☒ ; Signal Letters *P.S.W.V.* Is bottom of Vessel coated with cement *YES!* if not give particulars of composition *IN WAY OF BOILERS ASPHALT.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	156.0	663	Fore peak tank,	28.5	175
Double bottom, under Engines and Boilers,	73.0	394	After peak tank,	23.0	142
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	18.5	200
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	41.25	1353
Double bottom, forward,	183.0	813	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total capacity of double bottom,	1870.0		(If necessary, furnish further information by sketch.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Order for Special Survey No. *70.*

Date *D. 3. JAN. 1923.*

Dates of Surveys held while building

*1923: 5. MAY - 12. 29 JULY - 1. SEPT. - 28 - 29. NOV.  
1924: 1. 11. MARCH - 25. JUNE - 29. JULY - 19. SEPT. - 17. 22 OCT. - 26. NOV. - 12. 17 DEC.  
1925: 2. JAN. - 6. 25. FEBRY. - 11. 26. MARCH. - 18. 23. 25. APRIL.*

Total No. of Visits *24*