

State if Report is sent on the Machinery of the Vessel.....YES

Survey held at GOTHENBURG. Date First Survey 9TH FEB. 1925. Last Survey 15TH JULY 1926

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections P. B. & F.

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 390.0 118.90

Builders A.B. GÖTAVERKEN.

Total	4393.86			
Depth, at middle of length from top of keel to top				

Gross Tonnage 5066.36

Register Tonnage 2851

REGISTERED DIMENSIONS.
FEET.

Framing Depth "d," at middle of length. See } 17.5 5.33
Sec. 3 (1d)

Residence STOCKHOLM.

Length	392.22	Proportions—Depth to	Length—Uppermost con-	13.0	Port of Registry	Stockholm.
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Breadth 52.68 Do. Long Bridge to top } 10.3 If surveyed while building, afloat, or in dry dock

26.63 Draught Moulded 24'-14" YES.

FRAMES, DOUBLE BOTTOM AND BEAMS.

		INCHES IN SHIP. M.M.		Any Departure from Approved Plans to be Noted.				INCHES IN SHIP. M.M.		Any Departure from Approved Plans to be Noted.	
IES, Spacing amidships		660				Bracket Floors, Frame					
" from $\frac{1}{2}$ length to Collision bulkhead.....		660				" " Reversed Frame					
" in peaks.....		610				" " Vertical Struts					
FRAMING.						Centre Girder, depth and thickness amidships		1270	12		
One Amidships, Angle, E or C		280	90	15	+ 1.5 IN THICKNESS	" " top Angles DOUBLE		90	90	12.5	
" Extends up to		SECOND DECK				" " bottom Angles DOUBLE		100	100	14	
Reversed Frame Amidships, Angle						Side Girders, No. each side and thickness		1	9.5		
" " Extends up to...						Margin Plate depth (excl. of flange) and thickness		1110	12.5		
Thickness of Framing Girder		280				" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		90	90	10.5	
Spaces in Uppermost Continuous 'tween Decks, Angle, E or C		180	85	9		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		90	90	10.5	
" Second 'tween Decks, Angle, E or C		180	85	9		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		90	90	10.5	
" Third " " " "						" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....		90	90	10.5	
Spacing in Peaks, Angle or C		200	75	10	APP. 190 x 75 x 11 22/110 FROM BILGE TO SECOND DECK ABOVE 22/132	Tank Side Brackets, height above base line at toe of Frame and thickness		2210	10.5		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships		22	154			INNER BOTTOM PLATING.					
Half Frame Joggled		No				Breadth and thickness of Middle Line Strake ...		2150	12		
WEBS + STRINGERS		AS PER PLANS				Thickness of remainder in Holds		10.5	9		
ANG ARRANGEMENTS (Sec. 7), state system and particulars		AS PER PLANS				Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room?		YES			
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars		AS PER PLANS				BEAMS.					
UPPER BOTTOM.						Uppermost Continuous Deck, amidships		180	85	9	
"s, Depth and thickness at mid-line in Holds						" " in Wells, Angle, E or C		180	85	9	
Height of Brackets at side above base line at toe of frame						" " in way of Bridge, Angle, E or C		180	85	9	
Mid Line Keelson, on Floors, Angles, E or C						Spacing		EVERY FRAME			
" " Through Plate or Intercostal Plate...						Second Deck, amidships, Angle, E or C		180	75	9	
" " Foundation Plate on Floors						Spacing.....		EVERY FRAME			
" " Flat Plate Keel Angles						Third Deck, amidships, Angle, E or C					
Keelsons, No. each side						Spacing.....					
" thickness of Intercostal Plate...						Fourth Deck, amidships, Angle, E or C					
" Angles						Spacing.....					
UPPER BOTTOM.						Poop Deck, Angle, E or C		220	75	10.5	
Floors, thickness and spacing		9	EVERY FRAME			Spacing.....		ALTERATE FRAMES			
" Are Frame and Reversed Frame joggled?.....		FRAMES ONLY				Bridge Deck, Angle, E or C		180	75	9	
Net Floors, breadth and thickness at middle line						Spacing		EVERY FRAME			
" breadth and thickness at margin plate.....						Forecastle Deck, Angle, E or C		180	75	9	APP. 150 x 75 x 10.5
						Spacing		EVERY FRAME			

PILLARS AND DECKS.

	INCHES IN SHIP. M.M.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. M.M.			Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....		3				1560	11		
" in 'tween Decks, Size and Spacing.....									
" " " " "									
" in Holds " "									
" " " " "									
Centre Line Bulkhead.									
Stiffeners and Spacing.....	200	75	10						
Plating, thickness of	7.5								
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	1560	20.5	+ .5 IN THICKNESS						
" " " " " in way of Bridge	1560	15							
" Angle in Wells	180	180	18						
Thickness of Plating abreast Deck openings in way of Wells	20.5		+ .5 IN THICKNESS						
Thickness of Plating abreast Deck openings in way of Bridge	15								
Thickness of Plating within line of openings...	12		+ .5 IN THICKNESS						
If Sheathed, material and thickness									
Second Deck.									
Stringer Plate, breadth and thickness in Wells...	1560	11							
Stringer Plate, breadth and thickness in way of Bridge						1560	11		
Thickness of Plating abreast Deck openings in way of Wells									
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						9		+ .5	
Plating, Sheathing, material and thickness ...	9	2 1/2	FINE					+ 1.5	
Bridge Deck.									
Stringer Plate, breadth and thickness.....						1220	14.5	+ .5	
Plating, Sheathing, material and thickness ...						10.5			
Forecastle Deck.									
Stringer Plate, breadth and thickness.....						10		+ 1.5	
Plating, Sheathing, material and thickness ...						10		+ 1.5	

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <u>SIDES ONLY.</u>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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. M.M.	Inches. M.M.	Inches. M.M.	Inches. M.M.	Inches.	Inches.	Inches.	Inches.					
FLAT PLATE KEEL	1240	24	17.5	17.5		DOUBLE	1	3 ³ / ₄	4	1	4	LAPPED
" DBLG. (if any)												
BOTTOM PLATING, No. of Strakes ... 3	2275	15.5	15	11.5	+ .5 AMIDSHIPS	DOUBLE	7/8	3 ¹ / ₄	4	7/8	3 ¹ / ₂	LAPPED
BILGE PLATING, No. of Strakes	1930	15.5	11.5	11.5	0°	"	"	"	4	"	"	"
SIDE PLATING, No. of Strakes ... 2	2280	15.5	11.5	11.5	0°	"	"	"	4	"	"	"
UPPER DECK, Sheer- strake in Wells.....	1920	22	11.5	11.5					4			
UPPER DECK, Sheer- strake in Bridge ...	1920	15				DOUBLE	7/8	3 ¹ / ₄	4	7/8	3 ¹ / ₄	"
STRAKE BELOW Sheer- strake in Wells.....	2280	18.5	11.5	11.5		"	1	3 ³ / ₄	4	"	"	"
STRAKE BELOW Sheer- strake in Bridge ...	2280	15.5			+ .5 AMIDSHIPS.	"	7/8	3 ¹ / ₄	4	"	"	"
POOP SIDE PLATING				9.5		"	3/4	3	2	3/4	2 ⁵ / ₈	"
BRIDGE SIDE PLATING ...		15				"	7/8	3 ¹ / ₄	3	7/8	3 ¹ / ₂	"
FORECASTLE SIDE PLATING			10			"	3/4	3	2	3/4	2 ⁵ / ₈	"

WATERTIGHT BULKHEADS.

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

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper	6.5	112 x 75 x 9	732	NONE	
" " Second					
" " Third					
" " Holds	10-7	250 x 90 x 12	725	NONE	
COLLISION	13-7.5	180 x 75 x 9	610	1 SEMI-BOX	
AFTER PEAK	11.5-7.5	200 x 75 x 12	610	NONE	

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings. M.M.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM		240 x 65		
STERN FRAME				
Propeller Post	CASTING	264 x 188	SKODA VERK	
Rudder	"	230 x 188	"	
RUDDER—A x D		565		
Speed of Vessel		10.5 K		
RUDDER mainpiece at head ...	FORGING	267	SKODA VERK	
" " heel		203		
" how constructed		SINGLE PLATE		
" double or single plate		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)
	DOMNARFVETS JERNVERK, GUTEHOFFNUNGSHÜTTE, DORMAN LONG, COLVILLE, OPEN HEARTH PROCESS
	Has the Steel been tested as required by the Rules? YES.

EQUIPMENT No. 33600										LETTER	ANCHORS.			26 JUL 1926	
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.			
474	1st Bower ...	60	3	25	✓			48	17	2	0	57	UNION STOCKLESS	DEUTSCH LUREMC BERS. A.G. DORTMUND	DUISBURG. 16-10-24 M.B.
475	2nd „ ...	60	2	26	✓			48	15	0	0	57	“	“	“
476	3rd „ ...	60	1	8	✓			48	12	2	0	56½	“	“	“
	Collective weight.	182	0	3								170½			
477	Stream	18	1	9	5	0	7	19	6	2	7	16¼	ORDINARY STOCK	“	“

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.	Stations.	Break- ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Cir.		Length.	Cir.
142	Fathoms. 241½	Ins. 2¼	Tons. 91½	Tons. 127½	Owts. 638	qrs. 3	lbs. 19				STUD LINK	CARL SCHLEIPER	GRUNE 17-12-24 J.P.	TOWLINE...	220	4¾	47	220	4¾
29	15	"	"	"	40	0	3	} 645¾	270	2¾	"	BORGSIK WERK	BORGSIK W. 26-10-25 H.K.	HAWSERS & WARPS	4 x 165	3¼	22	2 x 165	2¾
206	15	"	"	"	38	0	20					"	CARL SCHLEIPER		GRUNE 3-12-25 J.P.	"	2 x 165	2½	13½
Iron Stream Chain—of Steel Wire	M.	Cir.							M	Cir.				"	2 x 165	8	MANILLA.		
	165	4¾		47					165	4¾									

ARRANGED AS PER SECY'S

Steering Gear, Steam HASTIES ELEC-HYD. LETTER "M". 23-6-24 Steering Gear, Hand NONE

Boats 2 LIFEBOATS, 1 DINGHY Steering Chains, Size and Test NONE Windlass CLARKE, CHAPMAN'S PAT. ELEC.

Ceiling in Holds, thickness and material 2½" PINE DOUBLE UNDER HATCHWAYS Cargo Battens, thickness, material and spacing 2" PINE. 9" EDGE TO EDGE

Cargo Hatchways.—(Upper Deck) STEEL COAMINGS Thickness of Hatches 2½"

Size of No. 1 Hatchway (Forward) 30'-4" x 24'-0" No. 2 30'-4" x 24'-0" No. 3 17'-4" x 22'-0" No. 4 30'-4" x 24'-0" No. 5 30'-4" x 24'-0" No. 6

Number of Shifting Beams and/or Fore and Afters 5 IN N° 1, 2, 4 + 5 HATCHWAYS. 3 IN N° 3 HATCHWAY.

AKTIEBOLAGET GÖTAVAREN
 Builder's Signature *E. Westin*

GENERAL DECLARATION THIS VESSEL HAS BEEN BUILT UNDER SPECIAL SURVEY IN ACCORDANCE WITH THE APPROVED PLANS AND INSTRUCTIONS AND ALL THE RULE REQUIREMENTS HAVE BEEN COMPLIED WITH.

THE VESSEL IS INTENDED FOR THE SWEDISH IRON-ORE TRADE AND THE SCANTLINGS ARE IN MANY RESPECTS IN EXCESS OF THE RULES.

THE WORKMANSHIP IS GOOD.

ALL DOUBLE BOTTOM, PEAK AND DEEP TANKS HAVE BEEN TESTED AS REQUIRED BY THE RULES.

THE W.T. BULKHEADS, SHAFT TUNNEL AND WEATHER DECKS HAVE BEEN TESTED WITH WATER FROM A HOSE AND FOUND TIGHT.

THE MATERIALS ARE GOOD.

FORGINGS AND CASTINGS AS PER CERTIFICATES ATTACHED.

THE FREEBOARD HAS BEEN VERIFIED AND GOT IN ON THE VESSEL'S SIDES.

ARRANGEMENT OF W.T. BULKHEADS AS PER SECY'S LETTER "M" 22-2-24

MODIFIED ICE STRENGTHENING (NOT EQUAL TO RULES) HAS BEEN FITTED AT FORWARD END.

STEERING GEAR AND WINDLASS TESTED.

THIS VESSEL IS A DUPLICATE OF M/S "MURJEK" N° 39973 IN REGISTER BOOK.

The amount of Entry Fee ... 182 ... K.: 163.80 Fees applied for, 16/7/1926

Special Survey Fee ... K.: 5946.79 Received by me, 20/8/26

Travelling Expenses, if any K.: 23.50

I am of opinion the Vessel should be Classed + 100 A.1.

State whether the Vessel has been built under Special Survey YES Signature *V. Hulow*

Certificate to be sent to SUR. OFFICE, GOTHENBURG. Date of issue 27.7.26. Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 27 JUL 1926

Character assigned 100 A.1.

The Surveyors are requested not to write on or colour the Committee's Minute.

Lloyd's Reg. Co.

+ L.M.O. 7.26 09.
Oil Engines



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Lloyd's Register Foundation

W284-0069(212)

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.)

PLANS OF THE VESSEL AS BUILT (2 IN NUMBER) V.C. MIDSHIP SECTION AND PROFILE + DECK'S ARE FORWARDED UNDER SEPARATE COVER.
THE REMAINDER OF THE APPROVED PLANS (5 IN NUMBER) V.C. STERNFRAME + RUDDER, W.T. BULKHEADS, PILLARS + GIRDER, AFTER PEAK
AND PAINTING ARRANGEMENT ARE ALSO FORWARDED AS REQUESTED IN CLASSING LETTER OF 6TH NOV. LAST ON M/S "MURJEK".

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	38-1-14	M.B.	2019	14-7-24
	2nd "	38-2-10	M.B.	2020	14-7-24
	3rd "	38-1-5	K.H.	3012	22-7-24

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 38.5 ft., R.O.D. ft., Bridge 114.8 ft., Forecastle 41.0 ft. (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 DKS (STL)

Official No. 7290 ; Signal Letters K.G.C.S. Is bottom of Vessel coated with cement PARTLY. if not g
particulars of composition CEMENT FITTED IN F.W. TANK, PEAKS, BILGES AND TUNNEL WELL.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	132	444	Fore peak tank,	18	125
Double bottom, under Engines and Boilers,			After peak tank,	29	30
Double bottom, if under Engines only,	28	118	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	39	119
Double bottom, forward,	175	726	Other tanks, if fitted,		
Total capacity of double bottom		1288	(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. 122

Date 7-4-24.

Dates of Surveys held while building

1925: 9/2, 28/5, 14/6, 20/6, 14/8, 18/8, 25/8, 14/9, 14/9, 17/9, 18/9, 23/9, 22/9, 1/10, 9/10, 10/10, 13/10, 22/10, 26/10, 28/10, 29/10, 31/10, 5/11, 9/11, 17/11, 17/11, 19/11, 29/11, 30/11, 2/12, 4/12, 8/12, 10/12, 12/12, 12/12, 14/12, 15/12
1926: 4/1, 18/1, 21/1, 26/1, 28/1, 1/2, 23/2, 26/2, 2/3, 4/3, 5/3, 17/3, 17/3, 20/3, 20/3, 24/3, 27/3, 29/3, 29/3, 30/3, 31/3, 7/4, 9/4, 13/4, 15/4, 17/4, 29/4, 4/5, 5/5, 5/5, 10/5, 17/5, 20/5, 25/5, 3/6, 8/6, 8/6, 19/6, 23/6, 28/6, 12/7, 12/7, 13/7, 14/7, 15/7
Total No. of Visits 87