

STEEL STEAMER or MOTORSHIP.

Received at London Office NOV 25 1938

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

21st November 1938

Port of

Göteborg

No.

12106

Survey held at

Göteborg

Date First Survey

5th May 1938

Last Survey

15th November

1938

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Single Screw Motorship "GARD"

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

Full scantling. Carrying Petroleum in Bulk.

State Type of Erections *Pop, Bridge & F.C. le.*

TONNAGE under Tonnage Deck... 7561.76

CLASS *100A.1. Carrying Petroleum in Bulk.* State if with freeboard as condition of Class *No*

Built at Göteborg

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

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

L 465'-2"

Launched 15th September 1938 Yard No. 283

Total

Breadth (greatest moulded) B 60'-9"

Builders *Lindbergs Mek. Verkstäder A.B.*

Gross Tonnage 8259.29

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck See Sec. 3 (1c) D 34'-0"

Owners *Skibsaktieselskapet Corona*

Register Tonnage 4958.56

D FOR NUMERALS 33.2

Managers *H. M. Wranzell & Co A/S*
(Where necessary to be entered in Reg. Book.)

1st Longitudinal Number (L x D) = 15444

Residence *Haugesund*

REGISTERED DIMENSIONS.

FEET.

Length 469.2

Framing Depth "d." at middle of length. See Sec. 3 (1d) 13.676

Port of Registry *Haugesund*

Breadth 61.1

Proportions—Depth to Length—Uppermost continuous deck to top of keel Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

Depth 34.5

Draught Moulded 26'-7 7/8"

Building, afloat and on floating dock.

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	800	✓	Bracket Floors, Frame	✓	
" " <i>forward end of No. 1 tank</i>	685	✓	" " Reversed Frame.....	✓	
" " <i>from 1/2 length amidships to Collision bulkhead.....</i>	605	✓	" " Vertical Struts.....	✓	
" " in peaks.....			Centre Girder, depth and thickness amidships 1170 x 11 1/2	✓	
SIDE FRAMING.	280 90 12	✓	" " top Angles..... dble. 90 90 12 1/2	✓	
Frame Amidships, Angle, E or F	Long. Bldgs	✓	" " bottom Angles..... 5 1/2 in. cont. weld both sides.	✓	Approved: L 90 x 100 x 1/4 DBLE
" " Extends up to.....	280 90 12	✓	Side Girders, No. each side and thickness 32 19, 15, 10 1/2	✓	
SIDE Reversed Frame Amidships, Angle	Upper Deck	✓	Margin Plate depth (excl. of flange) and thickness	✓	Tank top extended to shell. 13 in.
" " Extends up to.....	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem.....	✓	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area.....	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	✓	
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area.....	✓	
" " Third " " " "	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	As per app. plan.
" " from 1/2 len. for'd. to 15% len. from Stem	280 90 12	✓	INNER BOTTOM PLATING.		
" " in Peaks, Angle or F	200 90 10 1/2	✓	Breadth and thickness of Middle Line Strake 2696 x 13	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	200 90 12 1/2	✓	Thickness of remainder in Holds	13	✓
State if Frame Joggled	22 2 135	✓	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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or F	200 x 90 x 10 Centre 200 x 90 x 10 Sides	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, E or F.....	✓	
Middle Line Keelson, on Floors, Angles, E or F	1700 x 12 1/2	✓	Spacing	800	✓
" " Through Plate on Intercoastal Plate	✓		Second Deck, amidships, Angle, E or F	✓	
" " TOP BULB ANGLE Foundation Plate on Floors	200 x 90 x 12 DBLE	✓	Spacing	✓	
" " TO KEEL PLATE Flat Plate Keel Angles	9 in. cont. weld, both sides.	✓	Third Deck, amidships, Angle, E or F	✓	
Side Keelsons, No. each side	One in cr. tanks	✓	Spacing	✓	
DEPTH AND THROUGH thickness of Intercoastal Plate	1700 x 12 1/2	✓	Fourth Deck, amidships, Angle, E or F	✓	
" " TOP BULB ANGLE	280 x 90 x 14 1/2 SGL.	✓	Spacing	✓	
" " Angles TO BOTTOM PLATING	5 1/2 in. cont. weld both sides, 9 in. for 3 frame spaces beyond bulkheads.	✓	Poop Deck, Angle, E or F	230 90 12 1/2 200 75 12 200 75 11	✓
DOUBLE BOTTOM. IN MOTOR ROOM.			Spacing	800 - 605	✓
Solid Floors, thickness and spacing	10 1/2 in. every frame 12 1/2 in. W.T.	✓	Bridge Deck, Angle, E or F	230 90 11	✓
" " Are Frame and Reversed Frame joggled?	Frames only.	✓	Spacing	800	✓
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, E or F	200 75 10 180 75 10	✓
" " breadth and thickness at margin plate	✓		Spacing	685 - 605	✓

PILLARS AND DECKS.

		TRENCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
		TRENCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....		✓			
,, in 'tween Decks, Size and Spacing.....		✓			
,, " " " " " "		✓			
,, in Holds " " " "		✓			
,, " " " " " "		✓			
2 LONGITUDINAL) Centre Line Bulkheads					
Stiffeners and Spacing.....		Channels 260x10x90x14 @ 800 ✓			
Plating, thickness of		13, 11 1/2, 10 1/2, 10, 9 1/2, 10 (top) ✓			
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells		2100x2 1/2 - 11	✓		
,, ,, ,, ,, in way of Bridge		27 at beams ✓			
,, Angle in Wells		160 x 160 x 22	✓		
To 90 x 90 x 11		✓			
Thickness of Plating abreast Deck openings in way of Wells		20 - 9	✓		
Thickness of Plating abreast Deck openings in way of Bridge		✓			
Thickness of Plating within line of openings..		12 - 9 ✓ 20 - 9 in strake ✓			
If Sheathed, material and thickness		✓			
HORIZONTAL GIRDERS IN SIDE TANKS.					
Second Deck.					
Stringer Plate, breadth and thickness in Wells		1150 x 10	✓		
Welded to shell and bulkheads.					
BEAMS IN WAY OF HORIZONTAL GIRDERS					
Stringer Plate, breadth and thickness in way of Bridge		200x90x10			
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	✓		
Plating, Sheathing, material and thickness ...		6 1/2, Oregon pine, 2 1/2" ✓			
Bridge Deck.					
Stringer Plate, breadth and thickness.....		1695 x 10.	✓		
Plating, Sheathing, material and thickness }		8 1/2	✓		
		DECK COMPOSITION ✓			
Forecastle Deck.					
Stringer Plate, breadth and thickness.....		9 1/2	✓		
Plating, Sheathing, material and thickness ...		9	✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing or. to cr.	Diam.		Spacing or. to cr.
	<small>inches.</small> <i>inches.</i>	<small>inches.</small> <i>inches.</i>	<small>inches.</small> <i>inches.</i>	<small>inches.</small> <i>inches.</i>		<small>inches.</small> <i>inches.</i>	<small>inches.</small> <i>inches.</i>		<small>inches.</small> <i>inches.</i>	<small>inches.</small> <i>inches.</i>			
FLAT PLATE KEEL	2130	24 ✓	20 ✓	20 ✓									
" DBLG. (if any)		✓											
BOTTOM PLATING, No. of Strakes3.....		17 1/2 ✓	19 1/2 ✓ 20 1/2 ✓ 12 1/2 ✓	12 1/2 ✓		"	22	8289 ✓		"			
BILGE PLATING, No. of Strakes1.....		17 1/2 ✓	12 1/2 ✓	12 1/2 ✓		"	22	9280 ✓		"			
SIDE PLATING, No. of Strakes3.....		16 1/2 ✓	12 ✓	12 ✓		"	22	9280 ✓		"			
UPPER DECK, Sheer-strake in Wells.....	1920	24 ✓	12 ✓	12 ✓									
		{ 28 at breaks.											
UPPER DECK, Sheer-strake in Bridge ...		✓											
STRAKE BELOW Sheer-strake in Wells.....	2100	19 1/2 ✓	12 ✓	12 ✓		Double	25	8289 ✓		"			
STRAKE BELOW Sheer-strake in Bridge ...		✓											
POOP SIDE PLATING				10 ✓		Single	19	75 ✓	102	19	65 Lapped		
BRIDGE SIDE PLATING ...		11 ✓				"	25	112 ✓	"	19	75 ✓ -"		
FOREC'TLE SIDE PLATING			11 ✓			"	19	75 ✓	"	19	65 ✓ -"		

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	12 (+ 4 in centre tanks only).
Extending to Upper Deck (Sec. 3 c)	11 (+ 4 " " " " ")
" Deck next below	1 12 BH in R.B.
As per Rule	7

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		Flat plate keel.		
STEM		Roller flat bar.		
STERN FRAME {	Propeller Post	Castings as per app'd plan		Messrs. Ruhrstahl A. G. Henrichs- hütte, Hattingen.
	Rudder "	" " " " "		
Speed of Vessel		12 knots		
RUDDER—Type		Normal		
" A x D		71 9 1/2 FT. ³		Kön. Ung. Staatl. Eisenwerke.
" Diam. of head		335 7/8	✓	Diosgyör.
" Mainpiece at top pintle		310 x 293 7/8	✓	
" " heel ...		160 x 293 7/8	✓	
" how constructed		As per app'd plan		
" double or single plate		Double, 12 7/8 plate.	✓	
" coupling, vertical or horizontal		Horizontal		

		Plating Thickness. <i>as per</i>	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings. <i>as per</i>	Spacing. <i>as per</i>	Scantlings. <i>as per</i>	Spacing. <i>as per</i>
MIDSHIP BULKHEAD, Upper tween decks						
"	" Second "					
"	" Third "					
"	" Holds					
COLLISION						
"	(in Hold)					
AFTER PEAK						
	UPPER PART					
	LOWER PART					

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Bethlehem Steel Co., U.S.A.;
Carnegie-Illinois Steel Corp.; Gutehoffnungshütte, Oberhausen & Neu-Oberhausen; Ferrostahl A.G. (Thyssenhütte);
Mannesmann-Röhren-Werke, Duisburg-Mühlhausen; Lukens Steel Co., Coatesville, Pa. U.S.A.; Deutsche Rohrenwerke A.G. (Thyssen)
Has the Steel been tested as required by the Rules? Yes. ✓ Open hearth process. ✓

EQUIPMENT No.										LETTER <i>ct</i> ✓.		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.				
2292	1st Bower ...	74	0	10	✓			56	0	0	0	77:0:0 ✓	"Union" Stockless.	Bestmünd - Hoe der Flotten	Makers works 12.7.38
2293	2nd „ ...	73	0	27	✓			55	10	0	0	77:0:0 ✓	—	Klein, Best-	J. Loogen
2294	3rd „ ...	74	1	21	✓			56	0	0	0	65:2:0 ✓	—	münd.	—
	Collective weight.	221	3	2	✓							219:2:0 ✓			—
2295	Stream	22	3	5	✓	3	26	23	0	2	14	22:0:0 ✓	Common 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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Tons.	Length.	Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
39735	300	2 7/16	106	149	896:2:14	890:1:0	308	2 7/16	Stud Link	Not stated on certificate.	L.P.H.-B.C. 24.6.38 L.L. Wright	TOWLINE...	130	5 1/4	182 1/2	130	5 1/4		
			18 0 0	12 2 0									130	5 1/4	182 1/2	130	5 1/4		
												HAWSERS & WARPS	2x100	2 3/4	115 1/2	2x100	2 3/4		
													2x100	2 3/4	15 1/2	2x100	2 3/4		

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 Li
the Plans should be embodied.)

Sister vessels: Entisberg's 258 "Alexandra Hoegh", 262 "Kollgrin", 263 "Immeroy", 264 "Kollgong",
271 "Jemfjell", 277 "Idon".

Approved plans now forwarded:

Midship section.

Longitudinal section and plans.

Stem frame and midship.

Fore end.

Aft end.

Double bottom.

As fitted plans now forwarded:

Midship section.

Longitudinal section and plans.

Double bottom.

Certificates now forwarded (3 certificates):

Stem frame, midship details, tiller.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of shell and upper deck plating, transverse bulkhead
(plating and stiffeners to same) in cargo tanks and cofferdams, bottom girders to shell, and butts of same
girders, horizontal girders in cargo tanks and cofferdams to shell and bulkhead plating. Centre gir
in double bottom to keel strake, also side girder nearest to centre line in same double bottom to bottom
plating and floors to same side girder and centre girder. Tank top of double bottom to shell and to side
bottom girder. Pump room entrance amidships. Gangway. Coamings of cargo hatchways.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Carrying Petroleum in Bulk. ✓
Butts of shell and upper deck plating electrically welded. Machinery fitted aft. Cruiser stern.
Fitted with wireless and direction finding apparatus.

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

1st Bower	Head: 49:0:5 wts. J.L. 389. 25.6.38. Shank: 25:0:5 wts. J.L. 395. 25.6.38.
2nd "	47:2:21 " " 390. — " 25:2:6 " " 393. — " —
3rd "	49:0:7 " " 391. — " 25:1:14 " " 394. — " —
	Stream: 22:3:5 " " 392. — " —

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 92.0 ft., R.Q.D. ✓ ft., Bridge 28.3 ft., Forecastle 40.7 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓
Official No. ✓ Signal Letters L. J. Z. Z. Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length 486.25 ✓
No. and Material of Decks 1 Deck (Steel) (Circ. 1703)
Parts of Bottom of Vessel coated with cement or approved composition Cement in F.W. double bottom tank and in fore peak. ✓ pl
Particulars of composition (if fitted) and of approval ✓

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons. CUB. METRES	Where Fitted.	Length. Feet.	Water Capacity. Tons. CUB. METRES
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers, O.F. or W.B. 86.0			After peak tank,		
Double bottom, under Engines only, FEED WATER 50.0	67.8 ✓	168.0	Deep tank, aft,	O.F. or W.B. 23.8	140.0
Double bottom, under Boilers only, LUBR. OIL 32.0	includ. cofferdam.	170.5 in RB	Deep tank, forward,	Cross Bulkhead. O.F. 10.5	560.0
Double bottom, forward,			Other tanks, if fitted,	O.F. or W.B. 22.5	492.0
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 251

Date 9th March 1937.

Dates of Surveys held while building

1938. May 5, 11, 16, 17, 19, 23, 27. June 3, 7, 15, 17, 23, 27, 28, 30. July 4, 6, 12, 18,
20, 29. August 1, 2, 3, 5, 8, 10, 11, 17, 23, 25, 29, 31. Sept. 7, 8, 9, 10, 12, 14, 15, 19, 23
24, 27. October 3, 6, 10, 13, 14, 17, 19, 22, 24, 25, 26, 27, 29, 30, 31. November 1, 2, 3
5, 7, 8, 10, 11, 12, 14, 15.

Total No. of Visits 70