

STEEL STEAMER or MOTORSHIP.

-5 JAN 1925

Received at London Office

State if Report has been sent on the Freeboard of the Vessel *Not sent*State if Report is sent on the Machinery of the Vessel *Sent*

Date of completion of report *December 31st* Port of *Bergen* No. *1685*
Survey held at *Bergen* Date First Survey *July 24th* Last Survey *December 20th* 1924
On the *(State if Machinery fitted Aft and if Single, Twin or Triple Screw)* *Single screw, fitted amidships* S/S *KOVDA*
State Type *(Full or Partial Superstructure with or without Tonnage Openings)* *Full scantling* State Type of Erection *Forecastle bridge*

TONNAGE under *256.58* CLASS ** 100A1* State if with freeboard *without* Built at *Bergen*
Tonnage Deck *129.97*
Do. of spaces or spaces *113.93*
between lower and upper decks *68.43*
and Upper Deck *2.55*
Total *256.58*
Gross Tonnage *1686.66*
Register Tonnage *987.16*
REGISTERED DIMENSIONS. FEET.
Length *250.3*
Breadth *39.1*
Depth *16.1*
Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *249'-10"*
Breadth (greatest moulded) *B 39'-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 18'-0"*
1st Longitudinal Number (L x D) *4496.94*
2nd Numeral L x (B + D) *14240.31*
Framing Depth "d," at middle of length. See Sec. 3 (1d) *18.3*
Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.88*
Do. Long Bridge to top of keel *9.89*
Draught Moulded *16'-11"*
Launched *November 27th* Yard No. *206*
Builders *Bergins Mek. Værksted*
Owners *Norsk Russisk Dampskibssk.*
Manager *Dt. Bergins Mek. Værksted*
Residence *Bergen*
Port of Registry *Bergen*
If surveyed while building, afloat, ~~in dry dock~~ *Yes*

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.
FRAMES, Spacing amidships	23	✓	Bracket Floors, Frame		
" " from $\frac{1}{2}$ length to Collision bulkhead	" "	✓	" " Reversed Frame		
" " in peaks	" "	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships B.R.	33 x .42	✓
Frame Amidships, Angle, Ξ or Γ	$\frac{1}{2}$ 3 .42	✓	" " top Angles	3 3 .40	✓
" " Extends up to	<i>main deck</i>	✓	" " bottom Angles	3 3 .42	✓
Reversed Frame Amidships, Angle	<i>None</i>	✓	Side Girders, No. each side and thickness	One x .32	✓
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	23 1/2 x .36	✓
Depth of Framing Girder			" " Vertical Angle to Tank side	3 3 .32	✓
Frames in Uppermost Continuous 'tween Decks, Angle, Γ or Γ			Bracket abaft $\frac{1}{2}$ len. from stem	<i>Double strands</i>	✓
" " Second 'tween Decks, Angle, Γ or Γ			" " Vertical Angle to Tank side	3 3 .32	✓
" " Third " " "			Bracket forward $\frac{1}{2}$ len. from stem		✓
Framing in Peaks, Angle or Ξ Angle	6 1/2 3 .40	✓	Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	<i>None</i>	✓
Diameter and Spacing of Rivets through Shell Plating	3/4 x 5.5	✓	" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem		✓
State if Frame Joggled	<i>Not joggled</i>	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	47 x .32	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>3 in. pressure plates each side 36 in. double angles</i>	✓	INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>3 in. pressure plates each side 36 in. double angles</i>	✓	Breadth and thickness of Middle Line Strake	43 x .38	✓
SINGLE BOTTOM.			Thickness of remainder in Holds	32	✓
Floors, Depth and thickness at mid-line in Holds			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?	<i>Yes</i>	✓
Height of Brackets at side above base line at toe of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, Γ or Γ			Uppermost Continuous Deck, amidships in Wells, Angle, Ξ or Γ	7 3 .44	✓
" " Through Plate or Intercoastal Plate			" " in way of Bridge, Angle, Ξ or Γ	6 3 .30	✓
" " Foundation Plate on Floors			Spacing	23	✓
" " Flat Plate Keel Angles			<i>In way of hatchways</i>	5 1/2 3 .40	✓
Side Keelsons, No. each side			Third Deck, amidships, Angle, Γ or Γ		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, Γ or Γ		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	32 x 23	✓	Poop Deck, Angle, Ξ	6 3 .44	✓
" " Are Frame and Reversed Frame joggled?			Spacing	23	✓
Bracket Floors, breadth and thickness at middle line			Bridge Deck, Angle, Ξ	5 1/2 3 .34	✓
" " breadth and thickness at margin plate			Spacing	23	✓
			Forecastle Deck, Ξ	6 3 .34	✓
			Spacing	23	✓

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.			INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
in 'tween Decks, Size and Spacing.....								
" " " " " "								
in Holds								
Centre Line Bulkhead.								
Stiffeners and Spacing.....								
Plating, thickness of								
STRINGERS AND DECKS.								
Uppermost Continuous Deck.								
Stringer Plate, breadth and thickness in Wells	56	x	50					
" " " " " in way of Bridge	56	x	36					
" " " " " Angle in Wells		x	60					
Thickness of Plating abreast Deck openings in way of Wells			44					
Thickness of Plating abreast Deck openings in way of Bridge			34					
If Sheathed, material and thickness			30					
Deck, R. Q. D.			52					
Stringer Plate, breadth and thickness in Wells...	50	x	50					
Stringer Plate, breadth and thickness in way of Bridge								
Thickness of Plating abreast Deck openings in way of Wells								
Thickness of Plating abreast Deck openings in way of Bridge								
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	25 1/2	x	32					
Plating, Sheathing, material and thickness ...	Wood		2 1/2					
Bridge Deck.								
Stringer Plate, breadth and thickness.....	45	x	46					
Plating, Sheathing, material and thickness ...	Steel		30					
Forecastle Deck.								
Stringer Plate, breadth and thickness.....		x	34					
Plating, Sheathing, material and thickness ...	Steel	x	30					

SHELL PLATING.

SCANTLINGS.						RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>Not jogged</i>			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.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.			
FLAT PLATE KEEL	42½	.54	.54	.50	✓	Double	7/8	3¼	✓	3.	✓	7/8	3½	Lapped
„ DBLG. (if any)	None													
BOTTOM PLATING, No. of of Strakes3....	32 66	.44 .44	.44 .44	.40 .40	✓ ✓	Double	3/4	2½	✓	3.	✓	3/4	2⅝	—
BILGE PLATING, No. of StrakesOne....	66	.44	.42	.40	✓	Double	3/4	2⅞	✓	3.	✓	3/4	2⅝	—
SIDE PLATING, No. of Strakes3....	48	.43 .43	.43 .43	.40 .38	✓ ✓	Double Single	3/4	2⅞	✓	3.	✓	3/4	2⅝	—
UPPER DECK, Sheer- strake in Wells.....	46	.64	.64	.46	✓	Double	7/8	3¼	✓	4.	✓	7/8	3½	—
UPPER DECK, Sheer- strake in Bridge ...	46	.44			✓	Single	3/4	2⅞	✓	3.	✓	3/4	2⅝	—
STRAKE BELOW Sheer- strake in Wells.....	46	.56	.50	.42	✓ <i>M. See Sec. letter Septbr. 22nd</i>	Single	7/8	3¼	✓	3.	✓	7/8	3½	—
STRAKE BELOW Sheer- strake in Bridge42			✓	Single	3/4	2⅞	✓	3.	✓	3/4	2⅝	—
POOP SIDE PLATING34-30			✓	Single	3/4	2¾	✓	2.	✓	3/4	2⅝	—
BRIDGE SIDE PLATING44			✓	Single	3/4	2⅞	✓	3.	✓	3/4	2⅝	—
FOREC'TLE SIDE PLATING		.32			✓	Single	3/4	2¾	✓	2.	✓	3/4	2⅝	—

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) *Four*

Deck next below

As per Rule *Four*

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	None			✓
STEM	Forging	7 3/4 x 2 3/8 x 6 1/2 x 1 7/8		✓
STERN FRAME { Propeller Post	Casting	7 1/4 x 5 1/4	Skinner	✓
{ Rudder	Casting	7 1/4 x 5 1/4	Christiana	✓
RUDDER—A x D.....		64 x 254 = 1624		✓
Speed of Vessel.....		10 1/2 Knts		✓
RUDDER mainpiece at head ...	Forging	6"		✓
" " " heel ...		4 1/2		✓
" how constructed	Single plate	.90		✓
" double or single plate coupling, vertical or horizontal	Horizontal	16" d. x 1 5/8"		✓

STEEL.

Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth Process Redcar Steelworks & Rolling Mills*

Has the Steel been tested as required by the Rules? *Yes*

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Tween decks...					
" " " "					
" " " "					
" " " "					
" " " "					
Storehold " " "	as B. As	3	7" x 3" x 40	30	None
Engine " " "	as B. As	34-30	7" x 3" x 40	30	None
" " " "	Holds				
COLLISION " (in Hold)					
AFTER PEAK " " " "					

EQUIPMENT No. 15296										LETTER 9		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.	Cwts.			
28153	1st Bower ...	33.	1.	0.	33.	1.	0.	31.	1.	1.	0.	33	Boyer's improved Stockless		Sunderland May 12 th 1924 J. H. Butler
28230	2nd „ ...	33.	1.	0.				31.	1.	1.	0.	33	—		— May 31 st 1924
28162	3rd „ ...	33.	0.	7.				30.	19.	1.	14	28	—		— May 14 th 1924
	Collective weight.	99	2.	7.								94			
310	Stream	8.	2.	3.	2.	2.	24	10.	12.	3.		8½	Ordinary Stocks	Otto Grieson & Co. Magdeburg	Düsseldorf June 30 th 23 J. H. Quast

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- Break- tory. ing.		Supplied.	Per Rule.		Length. Diam.					Length. Cir.	Tons.	Length. Cir.
84	240 1 11/16	51.5 41.75	335		344.75		240 1 11/16	Steel Strand 4 wires 1/16" link fabric	Glansa & Huth	Düsseldorf July 28, 1924	TOWLINE	90 3 1/2	26.2	
											HAWSERS & WARPS	90 2 1/4	11.7	
												90 2 1/4	11.7	
												90 1 3/4		
												90 1 3/4		
Iron Stream Steel Wire	75 4	35.5							Fortmund Drahtsullwerke, Dtlv. 15					

Steering Gear, Steam
Horizontal, Builders' make,
Steering Gear, Hand
Ordinary screw gear

Boats
2 life boats, 2 yawls
Steering Chains, Size and Test
1 5/16" 10.5 t & 2 1/2 t
Windlass
Builders' make

Ceiling in Holds, thickness and material
2 1/2" pine
Cargo Battens, thickness, material and spacing
2" pine x 6"

Cargo Hatchways.-(Upper Deck)
Ordinary steel coamings as approved
Thickness of Hatches
3"

Size of No. 1 Hatchway (Forward)
28'-9" x 17'-10" No. 2
28'-9" x 17'-10" No. 3
26'-10" x 17'-10" No. 4
26'-10" x 17'-10" No. 5
No. 6

Number of Shifting Beams
5 at each hatchway

FOR A/S BERGENS MEKANISKE VÆRKSTEID

Builder's Signature
N. Vogt-Nilsen

GENERAL DECLARATION
This vessel has been built in accordance with the approved plans and in all respects in conformity with the Rules and the material used in the construction has been tested as required by Rules.

Bulkhead Tunnel tested (see letter)

The amount of Entry Fee £ 5 : 0 : 0
Special Survey Fee £ 168 : 14 : 0
Travelling Expenses, if any £ 5 : 12 : 9

Fees applied for, Decbr 1924
Received by me, Decbr 1924

I am of opinion the Vessel should be Classed *100A1

State whether the Vessel has been built under Special Survey Under Special Survey
Signature L. A. Eide
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Bergen
Date of issue 9/125

Committee's Minute
FRI. 9 JAN 1925
Character assigned
100A1

Lloyd A & B. P.
+ Ldb 12.24

Miss Bogn (Ldb)

Lloyd's Register Foundation

065481-005994-0124212

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.) *Already in the London Office*

The workmanship is throughout good & satisfactory & the scantlings have been verified during the building by actual measurements & the riveting tested & test made of samples of rivets used. Weather decks have been tested with a hose & found good. The vessel is well equipped & exceeding the requirements & she is in my opinion in a good & efficient condition throughout.

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

1st Bower 20.196 W.M. 5443 April 17th, 24
2nd „ 20.003 C.B. 5493 May 16th, 24
3rd „ 20.143 W.M. 5405

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 17.75 ft., R.Q.D. 74.75 ft., Bridge 55.6 ft., Forecastle 26.5 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *One deck, steel & one tier of beams*

Official No. ; Signal Letters L.D.S.R

particulars of composition *Cement* If bottom of Vessel has been coated Inside *Yes*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Cap Tons
Double bottom, aft,	80.5	136.5	Fore peak tank,	17.25	6.3
Double bottom, under Engines and Boilers,			After peak tank,	17.25	8.2
Double bottom, if under Engines only,	17.25	42.-	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	95.8	188.-	Other tanks, if fitted,		
Total capacity of double bottom			(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.

Date Decr 4th 23

Dates of Surveys held while building

July 23 & 24. Aug. 13 & 20. Sep. 11, 12, 13, 15, 16, 17, 20, 24, 25, 26, 30. Oct. 2, 3, 6, 8, 10, 13, 15, 17, 21, 23, 28. Nov. 3, 15, 21, 27. Dec. 1, 4, 8, 10, 17 & 20th.

Total No. of Visits 39