

STEEL STEAMER or MOTORSHIP.

Received at London Office 3 AUG 1926

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 23rd of July 1926 Port of Rotterdam No. 15412Survey held at Bolnes Date First Survey 1st of July 1920 Last Survey 17th of July 1926On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel single screw steamer "GROENLO"State Type (Full scantling, Complete Superstructure with or without Tonnage Openings) State Type of Erections Prop. Bridge & ForecastleTONNAGE under Tonnage Deck... 1760.80 CLASS + 100 A 1 State if with freeboard as condition of Class No. Built at BolnesDo. of space or spaces between Tonnage Dk. and Upper Dk. ✓ Length from fore part of stem to after part of stern } 275.0 Launched 11th of May 1916 Yard No. 119Total Breadth (widest moulded) 41.0 Builders N. V. Boele's Scheepswerven en MachinefabriekGross Tonnage 2011.35 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 20.75 Owners Stoomvaart Maatschappij "Noordze"Register Tonnage 1186.90 TRANSVERSE 1st Longitudinal Number (B + D) 61.75 Managers (Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) 17.75 Residence AmsterdamLength 275.3 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.25 Port of Registry AmsterdamBreadth 41.2 Do. Long Bridge to top of keel 17.11 If surveyed while building, afloat, or in dry dockDepth 18.65 Draught Moulded 17.11 Building

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	<u>23 1/2</u>	✓	Bracket Floors, Frame	<u>A 5 3 .36</u>	✓
" " from 1/2 length to Collision bulkhead.....	<u>23 1/2</u>	✓	" " Reversed Frame	<u>3 1/2 3 .32</u>	✓
" " in peaks.....	<u>23 1/2</u>	✓	" " Vertical Struts	<u>5 3 .36</u>	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<u>36 x .46</u>	✓
Frame Amidships, Angle, E or C	<u>8 3 .48</u>	✓	" " top Angles <u>single</u>	<u>4 4 .52</u>	✓
" " Extends up to <u>upper deck & fore-castle deck</u>		✓	" " bottom Angles	<u>4 4 .52</u>	✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness	<u>two .32</u>	✓
" " Extends up to <u>on floors only</u>		✓	Margin Plate depth (excl. of flange) and thickness	<u>33 x .38</u>	✓
Depth of Framing Girder.....	✓	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<u>3 3 .34</u>	✓
Frames in Uppermost Continuous 'tween Decks, Angle, C or E	✓	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<u>5 5 .44</u>	✓
" " Second 'tween Decks, Angle, C or E		✓	" " angle Gussets, spacing and scantling abaft 1/2 len. from stem.....	<u>3 3 .34</u>	✓
" " Third " " " " " " " " " " " "		✓	" " angle Gussets, spacing and scantling forward 1/2 len. from stem.....	<u>3 3 .34</u>	✓
Framing in Peaks, Angle, E or C	<u>5 1/2 3 .38</u>	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	<u>5'9" x .34</u>	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>7/8 7d as id.</u>	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	<u>not joggled</u>	✓	Breadth and thickness of Middle Line Strake	<u>36 x .42</u>	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars)		✓	Thickness of remainder in Holds	<u>34 - .30</u>	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<u>Double frames to floors forward of 1st L and additional half height girders as per approved plan.</u>	✓	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?.....	<u>Yes.</u>	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓	✓	Uppermost Continuous Deck, amidships } <u>8 3 .46</u>	✓	✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " in Wells, Angle, E or C } <u>7 1/2 3 .42</u>	✓	✓
Middle Line Keelson, on Floors, Angles, C or E	✓	✓	" " in way of Bridge, Angle, E or C } <u>23 1/2</u>	✓	✓
" " Through Plate or Intercoastal Plate	✓	✓	Spacing		✓
" " Foundation Plate on Floors	✓	✓	Second Deck, amidships, Angle, C or E	✓	✓
" " Flat Plate Keel Angles	✓	✓	Spacing.....		✓
Side Keelsons, No. each side	✓	✓	Third Deck, amidships, Angle, C or E	✓	✓
" " thickness of Intercoastal Plate...	✓	✓	Spacing.....		✓
" " Angles	✓	✓	Fourth Deck, amidships, Angle, C or E	✓	✓
DOUBLE BOTTOM.			Spacing.....		✓
Solid Floors, thickness and spacing	<u>34 - 47</u>	✓	Poop Deck, Angle, E or C	<u>8 3 .46</u>	✓
" " Are Frame and Reversed Frame joggled?.....	<u>not joggled</u>	✓	Spacing.....	<u>47</u>	✓
Bracket Floors, breadth and thickness at middle line.....	<u>14 1/6 x .34</u>	✓	Bridge Deck, Angle, E or C	<u>7 1/2 3 .40</u>	✓
" " breadth and thickness at margin plate.....	<u>16 x .34</u>	✓	Spacing.....	<u>23 1/2</u>	✓
			Forecastle Deck, Angle, E or C	<u>6 1/2 3 .40</u>	✓
			Spacing	<u>23 1/2</u>	✓

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.	
PILLARS, No. of Rows.....		<i>one row.</i>									
" <i>Bridge</i> in two Decks, Size and Spacing.....		<i>8 x 3 x 3 x .36</i>									
" <i>Toucasle * Poop</i> " " " " " " " " " "		<i>spaced 47"</i>									
" " " " " " " " " "		<i>2 1/2 x 47</i>									
" in Holds " " " " " " " " " "		<i>7 x 3 1/2 x 3 1/2 x .44</i>									
" " " " " " " " " "		<i>6 x 3 x 3 x .38</i>									
" " " " " " " " " "		<i>spaced 47"</i>									
Centre Line Bulkhead.		<i>and as per appn plan.</i>									
Stiffeners and Spacing.....		<i>pillars at hatch ends</i>									
Plating, thickness of		<i>7 12 x 4 x 4 x .54</i>									
		<i>& 8 x 3 x .54 BA</i>									
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in Wells		<i>60 x .56</i>									
" " " " <i>at Bridge ends.</i>		<i>.76</i>									
" " " " in way of Bridge		<i>60 x .56</i>									
" Angle in Wells		<i>4 1/2 4 1/2 60</i>									
Thickness of Plating abreast Deck openings } in way of Wells		<i>48 .90</i>									
Thickness of Plating abreast Deck openings } in way of Bridge		<i>.48</i>									
Thickness of Plating within line of openings...		<i>.36 .34 .30</i>									
If Sheathed, material and thickness											
Second Deck.											
Stringer Plate, breadth and thickness in Wells...											
Stringer Plate, breadth and thickness in way of Wells											
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		<i>40 x .36</i>									
Plating, Sheathing, material and thickness		<i>.30 .38 3" pilch pine</i>									
Bridge Deck.											
Stringer Plate, breadth and thickness.....		<i>72 x .32</i>									
Plating, Sheathing, material and thickness		<i>steel .30</i>									
Forecastle Deck.											
Stringer Plate, breadth and thickness.....		<i>26 x .32</i>									
Plating, Sheathing, material and thickness		<i>steel .30</i>									

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>not joggled</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 KEEL55	.78	.58	.68		Double	1	4	four	1	3 1/2	chapped
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes ... <i>3</i>	<i>A-65</i> <i>B-60</i>	<i>.52</i>	<i>.46</i>	<i>.44</i>		Double	<i>7/8</i>	<i>3 1/2</i>	<i>A - four</i> <i>B & C - three</i>	<i>7/8</i>	<i>3 1/2</i> <i>3 1/8</i>	<i>lapped</i> <i>lapped</i>
BILGE PLATING, No. of Strakes ... <i>1</i>	<i>D-58</i>	<i>.52</i>	<i>.44</i>	<i>.44</i>		Double	<i>7/8</i>	<i>3 1/2</i>	<i>three</i>	<i>7/8</i>	<i>3 1/8</i>	<i>lapped</i>
SIDE PLATING, No. of Strakes ... <i>4</i>	<i>E-57</i> <i>F-43</i>	<i>.52</i> <i>.54</i>	<i>.42</i> <i>.40</i>	<i>.42</i> <i>.40</i>		<i>E.F.G.</i> Double	<i>7/8</i>	<i>3 1/2</i>	<i>three</i>	<i>7/8</i>	<i>3 1/8</i>	<i>lapped</i>
UPPER DECK, Sheer-strake in Wells.....	<i>G-58</i> <i>H-58</i> <i>J-43</i>	<i>.54</i> <i>.64</i> <i>.78</i>	<i>.40</i> <i>.40</i> <i>.40</i>	<i>.40</i> <i>.40</i> <i>.40</i>		<i>H.</i> 1	<i>4</i>		<i>four</i>	<i>1</i>	<i>4</i>	<i>lapped.</i>
UPPER DECK, Sheer-strake in Bridge ...	<i>J</i>	<i>.78</i>										
STRAKE BELOW Sheer-strake in Wells.....	<i>H</i>	<i>.64</i>										
STRAKE BELOW Sheer-strake in Bridge ...	<i>H</i>	<i>.64</i>										
POOP SIDE PLATING			<i>.32</i>			Single	<i>5/8</i>	<i>2 1/2</i>	<i>two</i>	<i>5/8</i>	<i>2 1/4</i>	<i>lapped</i>
BRIDGE SIDE PLATING ...		<i>.34</i>				single	<i>5/8</i>	<i>2 1/2</i>	<i>two</i>	<i>5/8</i>	<i>2 1/4</i>	<i>lapped.</i>
FOREC'TLE SIDE PLATING			<i>.34</i>			single	<i>5/8</i>	<i>2 1/2</i>	<i>two</i>	<i>5/8</i>	<i>2 1/4</i>	<i>lapped.</i>

WATERTIGHT BULKHEADS.

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

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		<i>flat keel plate</i>		
STEM	<i>forging</i>	$8\frac{1}{2} \times 1\frac{3}{8}$	<i>Builders</i>	<i>rolled material.</i>
STERN FRAME {	Propeller Post	<i>casting</i>	215×140	<i>Ned. Staalfabrieken</i>
	Rudder "	"	190×140	$\frac{1}{4}$ J. M. de Munck Keien
RUDDER—A × D		<i>335</i>		
Speed of Vessel		<i>9 knots</i>		
RUDDER mainpiece at head ...	<i>forging</i>	204^m	} <i>Arkenwitz Berg</i> <i>& Esenk. Gew.</i>	
" " heel ...	"	155^m		
" how constructed		<i>Arms shrunk on and keyed</i>		
" double single plate		<i>1.00</i>		
" coupling, vertical or horizontal		<i>horizontal coupling</i>		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Phoenix; Rheinische Stahlwerke; August Thyssen Hütte; Gutehoffnungshütte, Siemens Martin process.*

Has the Steel been tested as required by the Rules? *Yes, by Surveyors at Steel Works.*

EQUIPMENT No. 17870										LETTER N	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.	cwts.	qrs.	lbs.				
55512	1st Bower ...	35	3	10	33	0	2	14	35	2	0	Halls pattern	Tipton Jos. Wright & Co. Ltd	Tipton 29.10.20 W.A. Rydalen	
55487	2nd „ ...	35	3	7	32	18	3	0	35	2	0	„	„	„ 28.10.20 W.A. Rydalen	
55206	3rd „ ...	30	3	0	29	3	3	0	30	0	0	„	„	„ 28.8.20 L.C. Gunn	
	Collective weight.	102	1	17					101	0	0				
55611	Stream	9	2	0	2	1	18	11	11	1	0	Ordinary	Jos Wright & Co. Ltd	Tipton 23.11.20 W.A. Rydalen	

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.			Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
847	240	1 3/4	55 1/2	77 1/8	388-0-20		370-2-0		240	1 3/4	Steel	N. V. Keekstra.	Rotterdam 12.6.20 C. Loden.	TOWLINE	90	3 1/2	26	90	3 1/2
Iron Steam Chain or Steel Wire	75	4		33					75	4	Steel wire			HAWSERS & WARPS	2x90	6	hemp	2x90	6
															2x90	5		2x90	5

Steering Gear, Steam *Yes* Steering Gear, Hand *Yes, screw gear on poopdeck.*

Boats *three* Steering Chains, Size and Test *1 1/8 - 15 1/8 tons* Windlass *iron steam patent.*

Ceiling in Holds, thickness and material *2 1/2" pine* Cargo Battens, thickness, material and spacing *2" pine 9" apart.*

Cargo Hatchways.—(Upper Deck) *steel and angle* Thickness of Hatches *3" pine*

Size of No. 1 Hatchway (Forward) *25'5 1/2" x 19'6"* No. 2 *29'4 1/2" x 19'6"* No. 3 *25'5 1/2" x 19'6"* No. 4 *25'5 1/2" x 19'6"* No. 5 *x* No. 6 *x*

Number of Shifting Beams and/or Fore and Afters *4 shifting beams to Nos 1, 3 & 4 hatchways, 5 to No 2 hatchway, (no fore and afters)*

Builder's Signature *N. V. „Boele's Scheepswerf en Machinefabriek*

GENERAL DECLARATION *The Workmanship was found good and the vessel has been built to the approved plans, copies of which are being retained in the London Office for record, in agreement with the instructions contained in Secretary's letters M. 23/6; 24/7-1920; 22/6; 6/7; 13/7-1926 respecting this case and in general conformity with the Society's Rules.*

All Bulkheads, thrustrecess, tunnel, tunnelrecess and all Decks tested by hose and found tight.

Freeboard marking verified and cut in on the vessel's sides.

The following plans have been approved and are retained in the London Office for record: Midship Section; Profile and Decks; Sternframe & Rudder; Strengthening of Bottom forward; Midship Bulkheads Nos 55 & 76; Panking Arrangement.

Freeboard fee *84.00*

The amount of Entry Fee *72.00*

Special Survey Fee.... *2110.00*

Travelling Expenses, if any *68.00*

Fees applied for, *29/7 1926*

Received by me, *48/8/26*

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

State whether the Vessel has been built under Special Survey *Yes.*

Signature *R. C. C. C. C. C.*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Rotterdam Surveyors* Date of issue *4/8/26*

Committee's Minute

Character assigned *100 A1*

Lloyd's Incl. P

+ L.M.C. 7.26

C.L.

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W171-0133(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.)

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

1st Bower *25 Cwts. 2 qrs. 23 lbs P.D.L. Middletown N. 4136 17-9-20*
2nd " *11 Cwts. 2 qrs. 10 lbs P.D.L. " " N. 4103. 20-9-20*
3rd " *18 Cwts. 2 qrs. 8 lbs P.D.L. " " N. 3936. 26-7-20*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *24.1* ft., R.Q.D. *✓* ft., Bridge *64.6* ft., Forecastle *27.7* ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *1 Qk. pl.*

Official No. ; Signal Letters Is bottom of Vessel coated with cement *Yes* if

particulars of composition *Cement and paint*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.	
	Feet.	Tons.			Feet.	Tons.
Double bottom, aft,	<i>84.2</i>	<i>186.-</i>	Fore peak tank,		<i>14.-</i>	
Double bottom, under Engines and Boilers,	<i>35.2</i>	<i>92.-</i>	After peak tank,		<i>15.5</i>	
Double bottom, if under Engines only,			Deep tank, aft,			
Double bottom, if under Boilers only,			Deep tank, forward,			
Double bottom, forward,	<i>115.5</i>	<i>270.-</i>	Other tanks, if fitted,			
	Total capacity of double bottom	<i>548.-</i>	(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. *628*

Date *24.6.1920.*

Dates of Surveys held while building

*1/4 - 23/8 - 14/9 - 1-8-26/10 - 16-26/11 - 1920;
5/1-14/1; 31/12-1923; 29/1; 14-9/12; 8/1; 9-22-28/10; 3-7-26/11; 1-10/12 - The fo
8/1; 25/2; 6/4; 6/5; 7-29/12-1925;
9-19-28/4; 5-11-25/5; 1-4-11-17/6; 2-13-15-17/7. 1926.*

Total No. of Visits