

STEEL STEAMER or MOTORSHIP.

Received at London Office MAR 2 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 *18-2-38*Port of *Groningen*No. *5*Survey held at *Westerbroek*Date First Survey *10-9-37*Last Survey *19-1-1938*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single screw steel motor vessel "MARALI" machinery fitted aft.*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling*State Type of Erections *R. 9. Deck, forecabin*

TONNAGE under Tonnage Deck...

CLASS *+100 A1*State if with freeboard as condition of Class *no*Built at *Westerbroek*

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 155'-0"*Launched *8-1-38* Yard No. *653*

Total

Breadth (greatest moulded) *B 28'-0"*Builders *N.V. E.J. Smid & Zon*Gross Tonnage *535.41*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 11'-10"*Owners *London Owners*Register Tonnage *258.68*1st Longitudinal Number (L x D) *573.49 = 571.6*

Managers

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

2nd Numeral L x (B + D) *170.06 = 167.7*Residence *London*

REGISTERED DIMENSIONS.

FEET.

Length *163.9'*Breadth *28.1'*Depth *9.1'*Framing Depth "d," at middle of length. See Sec. 3 (1d) *13.1*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.3*

Do. Long Bridge to top of keel

Draught Moulded *11'-6 3/16"*Port of Registry *London*

If surveyed while building, afloat, or in dry dock

Building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	mm. IN SHIP.	Any Departure from Approved Plans to be Noted.		mm. IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	540	✓	Bracket Floors, Frame	100 65 0	✓
" " from 1/2 length amidships to Collision bulkhead	540	✓	" " Reversed Frame	90 65 0	✓
" " in peaks	540	✓	" " Vertical Struts	100 65 0	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	726 x 8 1/2	✓
Frame Amidships, Angle <i>E</i> or <i>F</i>	100 x 65 x 8	✓	" " top Angles	75 75 0	✓
" " Extends up to	main deck	✓	" " bottom Angles	75 75 9	✓
Reversed Frame Amidships, Angle <i>L</i>	150 75 9	✓	Side Girders, No. each side and thickness	one 7 mm	✓
" " Extends up to	main deck	✓	Margin Plate depth (excl. of flange) and thickness	750 x 7 1/2	✓
Depth of Framing Girder	-		" " Vertical <i>FLAT BAR</i> to Tank side	80 x 9	✓
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E</i> or <i>F</i>	-		" " Bracket abaft 1/2 len. from stem <i>FL WELDED</i>	100 x 9	✓
" " Second 'tween Decks, Angle, <i>E</i> or <i>F</i>	-		" " Vertical <i>FLAT BAR</i> to Tank side	-	
" " Third " " "	-		" " Bracket from forward 1/2 len. from stem to Panting Area	-	
" " from 1/2 len. for'd. to 15% len. from Stem	bottom frames 110 x 110 x 9 double riveted with 1/2 inch keels as approved. Panting strapping plates 1800 mm apart	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	-	
" " in Peaks, Angle <i>E</i> or <i>F</i>	-		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	-	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 inch spaced 4 1/4	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1000 x 7	✓
State if Frame Joggled	no	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes	✓	Breadth and thickness of Middle Line Strake	1000 x 8	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓	Thickness of remainder in Holds	7	✓
INGLE BOTTOM.			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?	yes	✓
Floors, Depth and thickness at mid-line in Holds	-		BEAMS.		
Height of Brackets at side above base line at toe of frame	-		Uppermost Continuous Deck, amidships in Wells, Angle, <i>E</i> or <i>F</i>	130 75 9	✓
Middle Line Keelson, on Floors, Angles, <i>E</i> or <i>F</i>	-		" " in way of <i>BB</i> , Angle, <i>E</i> or <i>F</i>	130 75 9	✓
" " Through Plate or Intercoastal Plate	-		Spacing	540	✓
" " Foundation Plate on Floors	-		Second Deck, amidships, Angle, <i>E</i> or <i>F</i>	-	
" " Flat Plate Keel Angles	-		Spacing	-	
Side Keelsons, No. each side	-		Third Deck, amidships, Angle, <i>E</i> or <i>F</i>	-	
" " thickness of Intercoastal Plate	-		Spacing	-	
" " Angles	-		Fourth Deck, amidships, Angle, <i>E</i> or <i>F</i>	-	
DOUBLE BOTTOM.			Spacing	-	
Solid Floors, thickness and spacing	7 at every 3 frames	✓	Poop Deck, Angle, <i>E</i> or <i>F</i>	120 75 0	✓
" " Are Frame and Reversed Frame joggled?	no	✓	Spacing	540	✓
Bracket Floors, breadth and thickness at middle line	540 x 7	✓	Bridge Deck, Angle, <i>E</i> or <i>F</i>	-	
" " breadth and thickness at margin plate	540 x 7	✓	Spacing	-	
			Forecastle Deck, Angle, <i>E</i> or <i>F</i>	120 75 0	✓
			Spacing	540	✓

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.....	-		Stringer Plate, breadth and thickness in way of Bridge	✓	
„ in 'tween Decks, Size and Spacing.....	-		Thickness of Plating abreast Deck openings in way of Wells	✓	
„ „ „ „ „	-		Thickness of Plating abreast Deck openings in way of Bridge	✓	
„ in Holds „ „	-		Thickness of Plating within line of openings...	✓	
„ „ „ „ „	-		If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	175 55 7 1/2	FLW. TO BULKHD.	Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	every frame 6	✓	If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	1600 x 9.	✓	If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	R9 Deck 1540 x 8	✓	Poop Deck.		
„ Angle in Wells	90 90 "	✓	Stringer Plate, breadth and thickness	6	✓
Thickness of Plating abreast Deck openings in way of Wells	9	✓	Plating, Sheathing, material and thickness ...	6 pine 65	✓
Thickness of Plating abreast Deck openings in way of Bridge	0	✓	Bridge Deck.		
Thickness of Plating within line of openings...	7	✓	Stringer Plate, breadth and thickness.....	-	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ...	-	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness.....	6	✓
			Plating, Sheathing, material and thickness ...	6	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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. mm.	Inches. mm.	Inches. mm.	Inches. mm.									
FLAT PLATE KEEL	1000	11 ✓ 43	11 ✓ 43	10 ✓ 39		double	19	77 ✓	treble	19	66	lapped	
„ DBLG. (if any)	-	-	-	-	forward in flat of bottom 9 1/2 mm								
BOTTOM PLATING, No. of Strakes 2.....	1700 1530	8 1/2 ✓ 335	8 ✓ 30	7 1/2 ✓ 30	to stern frame 8 1/2 mm. single	single	16	60 ✓	double	16	56 ✓	lapped	
BILGE PLATING, No. of Strakes 1.....	1115	8 1/2 ✓ 335	7 1/2 ✓ 30	7 1/2 ✓ 30		single	16	60 ✓	double	16	56 ✓	lapped	
SIDE PLATING, No. of Strakes 1.....	1240 1070	8 1/2 ✓ 33	7 1/2 ✓ 32	7 1/2 ✓ 32	at break of R. 90. 15 1/2	single	16	60 ✓	double	16	56 ✓	lapped	
UPPER DECK, Sheer-strake in Wells.....	1070	10 ✓ 335	8 ✓ 30		" POOP 13 1/2	single	16	60 ✓	treble	19	66 ✓	lapped	
UPPER DECK, Sheer-strake in Bridge ...	1090	8 1/2 ✓ 335	7 1/2 ✓ 32	6 ✓ 32	at break of R. 90. 12	single	16	60 ✓	treble	16	56 ✓	lapped	
STRAKE BELOW Sheer-strake in Wells.....	1070	8 1/2 ✓ 335	7 1/2 ✓ 30	8 ✓ 32	" " " POOP 12								
STRAKE BELOW Sheer-strake in Bridge ...	1070	8 1/2 ✓		8 ✓									
POOP SIDE PLATING.....	1220	-	-	6 ✓		single	16	60 ✓	single	16	56 ✓	lapped	
BRIDGE SIDE PLATING...	-	-	-	-									
FOREC'TLE SIDE PLATING	1090 1220	-	6 ✓	-		single	16	60 ✓	single	16	56 ✓	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) <i>three</i> ✓										
,, Deck next below —										
As per Rule <i>three</i>										
						STIFFENERS.				
						Plating Thickness.	VERTICAL.		HORIZONTAL.	
							Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						—				
,, Second ,,						—				
,, Third ,,						—				
,, Holds						<i>10-7 590x75x80</i>	✓	<i>610</i>	✓	
COLLISION ,, (in Hold)						<i>9 1/2-8</i>	✓	<i>7 1/2-7 1/2 x 120 x 75 x 10</i>	✓	<i>Semi box beam 1800.</i>
AFTER PEAK ,,						<i>10-7 1/2 x 120 x 75 x 9</i>	✓	<i>610</i>	✓	<i>run deck.</i>

KEEL, Bar	—	✓	
STEM	<i>plate 610 x 12</i>	✓	
STERN FRAME { Propeller Post	<i>Forged 145 x 80 Elwelded N.V. Peter Mach. Fabrie</i>		
{ Rudder ,,	<i>Simplex</i>	✓	
Speed of Vessel	<i>10 knots</i>	✓	
RUDDER—Type	<i>Simplex</i>	✓	
,, A x D	<i>131</i>	✓	
,, Diam. of head	<i>Forged 115</i>	✓	,,
,, Main piece at top pintle	<i>through Forged 105</i>	✓	,,
,, " heel ...	<i>105</i>	✓	,,
,, how constructed	<i>Simplex balance rudder elect welded.</i>	✓	
,, double or single plate coupling, vertical or horizontal	<i>double pl. & horizontal</i>	✓	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process*
Guthrie & Co. (Guthrie & Co.) The Steel Company of Scotland,
Appleby, Fordingham Steel Co. Ltd.
 Has the Steel been tested as required by the Rules? *yes. ✓*

EQUIPMENT No.											LETTER <i>h</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.	Cwts.						
<i>96000</i>	<i>1st Bower ...</i>	<i>12</i>	<i>3</i>	<i>21</i>	<i>✓</i>	<i>-</i>	<i>-</i>	<i>14</i>	<i>15</i>	<i>0</i>	<i>0</i>	<i>✓</i>	<i>Shall's patent N. B. Kingly's</i>	<i>Netherken - 11-12-1937</i>	<i>J. A. Belf.</i>			
<i>96799</i>	<i>2nd „ ...</i>	<i>12</i>	<i>1</i>	<i>6</i>	<i>✓</i>	<i>-</i>	<i>-</i>	<i>14</i>	<i>4</i>	<i>0</i>	<i>7</i>	<i>✓</i>	<i>Improved Type Son</i>	<i>„</i>	<i>„</i>			
<i>96790</i>	<i>3rd „ ...</i>	<i>10</i>	<i>3</i>	<i>12</i>	<i>✓</i>	<i>-</i>	<i>-</i>	<i>12</i>	<i>15</i>	<i>1</i>	<i>7</i>	<i>✓</i>	<i>„</i>	<i>„</i>	<i>„</i>			
	<i>Collective weight.</i>	<i>36</i>	<i>0</i>	<i>11</i>	<i>✓</i>	<i>-</i>	<i>-</i>					<i>35 1/2</i>	<i>✓</i>	<i>„</i>	<i>„</i>			
<i>96740</i>	<i>Stream</i>	<i>4</i>	<i>0</i>	<i>7</i>	<i>✓</i>	<i>1</i>	<i>0</i>	<i>19</i>	<i>6</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>4-0-0</i>	<i>✓</i>	<i>Ordinary forged</i>	<i>„</i>	<i>Netherken 25-11-1937</i>	<i>J. A. Belf.</i>
CHAIN CABLES													HAWSEERS AND WARPS					

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.	Statio- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Tons.	Fathoms.		Ins.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
39553	195	1 7/8	22 3/4	34 1/8	131	0	12	126 1/4	195	1 7/8	Shudink N.V. Kon. Nederl. Griffm. y Leiden	Cardiff 30-12-37	LOWLINE...	75	2 3/4	15.2	75	2 3/4	15.2
												R.D. Wright.	HAWSERS & WARPS	90	2 1/4	10.0	90	2 1/4	10.0
													"						
													"						
Iron Stream Chain or Steel Wire	60	2 3/4							60	2 3/4									

Steering Gear, Type (Power or hand) *Hand*
Alternative Means of Steering *yes, with blocks etc*

Steering Chains (Size and Test) *3/4" test 6-15-0-0*
Windlass *Hand and driven by motor*
Boats *two lifeboats*

Ceiling in Holds, thickness and material *2" pine*
Cargo Battens, thickness, material and spacing *2" pine spaced 0"*

Cargo Hatchways.-(Upper Deck) *Steel plate and angle*
Thickness of Hatches *2 1/2*

Size of Hatchways No. 1 (Fwd.) *3 1/2'-2"x7'-6"* No. 2 *3 1/2'-2"x7'-6"* No. 3 *-* No. 4 *-* No. 5 *-* No. 6 *-*

Number of Shifting Beams and/or Fore and Afters *8 in each hatchway*
N. V. E. S. Smith's Zoon's Scheepsmijden

Builder's Signature *[Signature]*

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *motor vessel*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *no*
The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

The workmanship was found good and the vessel has been built in accordance with the approved plans, London and Rotterdam letters referred to on page 4. and in general conformity with the Society's Rules.

All double bottom tanks, peak tanks and oil fuel bunker, watertight bulkheads and decks have been tested as required and all parts found sound and tight.


Freeboard marks verified and cut in in the vessel's sides.

The amount of Entry Fee £ *fl. 36.00*
Fees applied for, 19
Special Survey Fee.... £ *fl. 643.00*
Received by me, 22/3 1938 *MR 22/3*
Travelling Expenses, if any £ *fl. 111.00*

State whether the Vessel has been built under Special Survey *yes*
I am of opinion the Vessel should be Classed *+100 A 1*
Signature *J. G. H. Schmeijer*
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Groningen*
Date of issue *24/3/38*
FRI 18 MAR 1938

Committee's Minute *+100 A 1*
Character assigned *Lloyd's Arch*
Oil
Rdr. Elec. welded
White


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0147 1/2

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 approved:

Midship Section, profile, decks

Sternframe and (molder)

Simplex balance molder

Water Seating

Copies of plans are retained in the London office

Rotterdam letter 4-5-1937

" " 24-8-1937

London " 14-23-10-1937

Rotterdam " 6-9-1937

Certificate of forging of Sternframe, molder and molder connecting shaft attached herewith.

note: The actual moulded depth is 11'-10" and not as per approved plan viz 11'-8"

PARTICULARS OF ELECTRIC WELDING (if employed)

~~Planes~~ and Sternframe electric welded

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

cruiser Stern, molder electr. welded.

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

1st Bower

7-3-10 A.E.G. cert. N° 4802
23-3-7 W.H. cert. N° 6217
2-1-7 J.D. 4782
24-2-7 J.F.R. cert N° 2221
6-1-26 A.E.G. 4839
19-2-16 W.H. cert N° 5899

2nd "

3rd "

8-10-37
22-1-37
24-9-37
15-1-37
15-10-37
28-8-36

see Gov. let
715/3/38

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40.8 ft., R.Q.D. 47.8 ft., Bridge — ft., Forecastle 17.8 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 166362. Signal Letters

Extreme Breadth over Belting (Circ. 1611)

no belting

Over-all Length (Circ. 1703)

17.5' ✓

No. and Material of Decks

one deck steel

Parts of Bottom of Vessel coated with cement or approved composition

cement. In double bottom tanks no cement fitted.

Bilges and under engines coated with
pat. Cem.

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.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—	—	Fore peak tank,	—	7.5 ✓
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	27 ✓
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	94.7 ✓	135 ✓	Other tanks, if fitted, oil fuel bunker	—	36 ✓
Total length (if continuous) and Capacity	—	135 ✓	(If necessary, furnish further information by sketch.)	—	—

Order for Special Survey No. 207

Date 10-9-1937.

Dates of Surveys held while building

10, 15, 17, 24-9-1937; 1, 8, 15, 19, 22, 26, 29-10-1937; 3, 5, 9, 12, 13, 16, 19, 23, 25, 30-11-1937; 3, 7, 10, 14, 17, 21, 24, 28, 31-12-1937; 4, 7, 8, 11, 20, 21, 24-1-1938; 14, 15, 18, 19-2-38

Total No. of Visits 41