

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 *6th of February 1939* Port of *Rotterdam*No. *27832^a*Survey held at *Harinxveld* Date First Survey *30th of March 1938* Last Survey *1st of February 1939*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Steel single screw motorship "CITRINE"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling*State Type of Erections *Popo, R. & Co. ch. free castle*TONNAGE under Tonnage Deck... *529.28*CLASS *+ 100 A1*State if with freeboard as condition of Class *no*Built at *Harinxveld*

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 188.*Launched *11/8 - 1938* Yard No. *386*Breadth (greatest moulded) *B 29.*Builders *N.V. Scheepbouwwerf de Meester.*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 13'6"*Owners *William Robertson*

Total

1st Longitudinal Number (L x D) = *2538*Managers *"*Gross Tonnage *703.43*Register Tonnage *415.79*2nd Numeral L x (B + D) = *7990*Residence *Glasgow*REGISTERED DIMENSIONS.
FEET.Length *191.95*

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

Breadth *29.2*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.93*Depth *11.4*Do. Long Bridge to top of keel *10.74*Draught Moulded *13'3 1/8"*Port of Registry *"*If surveyed while building, afloat, or in dry dock *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	22		Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	22		" " Reversed Frame	✓	
" " in peaks	22		" " Vertical Struts	✓	
DE FRAMING.			Centre Girder, depth and thickness amidships	30	.38
Frame Amidships, Angle, <i>E</i> or <i>F</i>	<i>R.P.D. 6 3 .34</i> <i>M.D. 6 3 .28</i>	<i>5 x 3 x .28</i>	" " top Angles	3	3 .34
" " Extends up to	<i>deck</i>		" " bottom Angles	3	3 .38
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	<i>One</i>	.28
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	<i>See plan</i>	.32
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>See plan</i>	<i>5 1/2 x 2 3/4 x .32</i>
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E</i> or <i>F</i>	✓		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	<i>See plan</i>	<i>5 1/2 x 2 3/4 x .32</i>
" " Second 'tween Decks, Angle, <i>E</i> or <i>F</i>	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	88	12 x 15
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	88	12 x 15
" " from 1/2 len. for'd. to 15% len. from Stem	6	3 .28	Tank Side Brackets, height above base line at toe of Frame and thickness	2' 11"	
" " in Peaks, Angle <i>E</i> or <i>F</i>	5	3 .32	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8	<i>7d + 5 1/2 d</i>	Breadth and thickness of Middle Line Strake	40	.34
State if Frame Joggled	<i>Yes</i>	✓	Thickness of remainder in Holds	.30	.28
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</i>	✓	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>See plan as per plan approved</i>	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes</i>	✓	BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <i>E</i> or <i>F</i>	<i>See plan</i>	<i>5 1/2 x 3 x .32 / .36</i>
Floors, Depth and thickness at mid-line in Holds	✓		" " in way of Bridge, Angle, <i>E</i> or <i>F</i>	✓	
Height of Brackets at side above base line at toe of frame	✓		" " Spacing	22	
Middle Line Keelson, on Floors, Angles, <i>E</i> or <i>F</i>	✓		<i>R.P.D.</i> Second Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>See plan</i>	<i>5 1/2 x 3 x .36</i>
" " Through Plate or Intercoastal Plate	✓		" " Spacing	22	✓
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, <i>E</i> or <i>F</i>	✓	
" " Flat Plate Keel Angles	✓		" " Spacing		
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, <i>E</i> or <i>F</i>	✓	
" " thickness of Intercoastal Plate	✓		" " Spacing		
" " Angles	✓		POOP DECK, Angle, <i>E</i> or <i>F</i>	4	3 .34
DOUBLE BOTTOM.			" " Spacing	22	✓
Solid Floors, thickness and spacing	22	.28	Bridge Deck, Angle, <i>E</i> or <i>F</i>	✓	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>	✓	" " Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, <i>E</i> or <i>F</i>	<i>See plan</i>	<i>6 1/2 x 3 .36</i>
" " breadth and thickness at margin plate	✓		" " Spacing	44	✓

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>In prop steel bulkhead</i>				✓	Stringer Plate, breadth and thickness in way of Bridge	✓				
" in 'tween Decks, Size and Spacing...	<i>In fore-castle pillars 5 1/2" ultimate frame</i>				✓	Thickness of Plating abreast Deck openings in way of Wells	✓				
" " " " " "	<i>see brackets and side as per plan</i>				✓	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.....	✓					Stringer Plate, breadth and thickness.....	✓				
Plating, thickness of	✓					If Plated, state thickness.....	✓				
STRINGERS AND DECKS.						Fourth Deck.					
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness.....	✓				
Stringer Plate, breadth and thickness in Wells	56	.62	✓			If Plated, state thickness	✓				
" " " " in way of Bridge	56	.40	✓			Poop Deck.					
" Angle in Wells	5	5	.52	✓		Stringer Plate, breadth and thickness	40	.26	✓		
Thickness of Plating abreast Deck openings in way of Wells	✓					Plating, Sheathing, material and thickness26	fine 2 1/2	✓		
Thickness of Plating abreast Deck openings in way of Bridge	✓					Bridge Deck.					
Thickness of Plating within line of openings...	.28 MP. 30 R.P.D.	✓				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.....		.52	✓		
						Plating, Sheathing, material and thickness32	✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		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.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	40	.46	.42	.42	✓	Double	3/4 3 1/8	III	3/4	2 5/8	Lapped
" DELG. (if any)											
BOTTOM PLATING, No. of Strakes <i>A 63</i>	B 65	.40	.40	.38	✓	Double	3/4 3 1/8	II	3/4	2 5/8	Lapped
BILGE PLATING, No. of Strakes <i>C 44</i>	C 44	.40	.38	.38	✓	Double	3/4 3 1/8	II	3/4	2 5/8	Lapped
SIDE PLATING, No. of Strakes <i>D 57</i>	D 57	.38	.34	.34	✓	Double	3/4 3 1/8	II	3/4	2 5/8	Lapped
UPPER DECK, Sheer-strake in Wells.....	F 45	.52	.34	.34	✓			III / II	3/4	2 5/8	Lapped
UPPER DECK, Sheer-strake in Bridge ...	G 52	.44	.34	.34	✓			III / II	3/4	2 5/8	Lapped
STRAKE BELOW Sheer-strake in Wells.....	E 59	.36 + .44	.34	.34	✓	Double	3/4 3 1/8	III / II	3/4	2 5/8	Lapped
STRAKE BELOW Sheer-strake in Bridge26	see plan and letter		Double	5/8 2 1/2	II	5/8	2 3/16	Lapped
POOP SIDE PLATING24								
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING			.26	✓		Single	5/8 2 1/2	I	5/8	2 3/16	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>3</i>								
" Deck next below.....								
As per Rule <i>3</i>								
	Plating Thickness.	STIFFENERS.				KEEL, Bar		
		VERTICAL.		HORIZONTAL.		STEM		
		Scantlings.	Spacing.	Scantlings.	Spacing.	STERN FRAME { Propeller Post ...		
MIDSHIP BULKHEAD, Upper tween decks						Rudder "		
" " Second "						Speed of Vessel		
" " Third "						RUDDER—Type.....		
" " Holds	<i>8 1/2 7 1/2</i>	<i>L 180 x 75 x 10</i>	<i>760</i>	<i>625</i>	<i>See also plan and letter</i>	" A x D		
COLLISION " (in Hold)	<i>10 7 1/2</i>	<i>L 100 x 75 x 8</i>	<i>600</i>	<i>600</i>	<i>w. A. flat.</i>	" Diam. of head		
AFTER PEAK " " 	<i>10 7 1/2</i>	<i>L 150 x 75 x 10</i>	<i>610</i>	<i>610</i>	✓	" Mainpiece at top pintle		
		<i>L 100 x 75 x 10</i>				" " heel ...		
						" how constructed		
						" double or single plate		
						" coupling, vertical or horizontal		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)									
	<i>Doornummen Hoerster Eisen Verein. Aktien Gesellschaft.</i>									
	<i>August Thyssen Hütte Aktien Gesellschaft Duisburg</i>									
	Has the Steel been tested as required by the Rules? <i>Yes at Millworks</i>									

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 ELECTRIC WELDING (if employed) ✓

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

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

1st Bower 10 Cut - 0 Q. 25 lbs L.R. N° 4301 R.L. Antwerp 17/4 - 1936.
2nd „ 10 Cut - 0 Q. 27 lbs L.R. N° 4300 R.L. Antwerp 17/4 - 1936.
3rd „ 9 Cut - 0 Q. 26 lbs L.R. N° 6451 H.R. Antwerp 10/3 - 1937.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40.83 ft., R.Q.D. 78.83 ft., Bridge ✓ ft., Forecastle 23.66 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 165956 Signal Letters M.M.Y.Q. Extreme Breadth over Belting 29' 2 1/2" Over-all Length 199.6 feet
No. and Material of Decks One steel deck. leave out
Parts of Bottom of Vessel coated with cement or approved composition Cement.

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,	20	53
Double bottom, under Engines and Boilers,			After peak tank,	10.33	26.5
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	122.8	193	Other tanks, if fitted, fuel tank off in casing	9.85	14.6
Total length (if continuous) and Capacity		193	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 927

Date 6/1 - 1938

Dates of Surveys held while building

30/3; 8/4; 26/4; 4/5; 7/5; 12/5; 2/6; 1/7; 18/7; 10/8; 11/8;
1/9; 7/9; 16/9; 1/10; 19/10; 9/12; 23/12; 1938
3/1; 6/1; 10/1; 17/1; 19/1; 3/11; 1/2; 1939

Lloyd's Register
Foundation
Total No. of Visits 25