

## STEEL STEAMER or MOTORSHIP.

Received at London Office 16 DEC 27

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 12<sup>th</sup> of December 1927 Port of Rotterdam.

No. 17043

Survey held at Hendrik Ido Ambacht Date First Survey 28-9 Last Survey 10-12 1927

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) steel single screw tug "LADY ELIZABETH"

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

State Type of Erections Bridge

TONNAGE under Tonnage Deck 160.22

CLASS 100 A 1 State if with freeboard } no  
"For towing services" as condition of Class }

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

Length from fore part of stem to after part of stern } L 94.  
post on summer L.W.L. See Sec. 3 (1a) }

Total

Breadth (greatest moulded) ..... B 21.5

Gross Tonnage 164.99

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) ..... D 11.5

Register Tonnage nihil

1st Longitudinal Number (L x D) ..... = 1081

2nd Numeral L x (B + D) ..... = 3102

Built at Hendrik Ido Ambacht.

Launched 5-2-1927 Yard No. 184

Builders N.V. Scheepswerk van der Zonken &amp; Zonen

Owners South African Railway &amp; Harbours Administration

Managers

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

Residence Cape Town

Port of Registry Port Elizabeth

If surveyed while building, afloat, or in dry dock

on slipway &amp; afloat

## 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.
<b>FRAMES, Spacing amidships</b> .....	400%		<b>Bracket Floors, Frame</b> .....	✓	
" " from 1/2 length to Collision bulkhead .....	300%		" " Reversed Frame .....		
" " in peaks .....	300%		" " Vertical Struts .....		
" " after peak .....	400%		<b>Centre Girder, depth and thickness amidships</b> .....	✓	
<b>SIDE FRAMING.</b>			" " top Angles .....		
<b>Frame Amidships, Angle</b> $\begin{smallmatrix} \text{---} \end{smallmatrix}$ .....	100 75 7%		" " bottom Angles .....		
" " Extends up to .....	deck		<b>Side Girders, No. each side and thickness</b> .....	✓	
<b>Reversed Frame Amidships, Angle</b> .....	75 65 6.5%		<b>Margin Plate</b> depth (excl. of flange) and thickness .....	✓	
" " Extends up to .....	on floors only		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....		
<b>Depth of Framing Girder</b> .....	✓		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem .....		
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b> .....	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem .....		
" " <b>Second 'tween Decks, Angle, [ or ]</b> .....	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem .....		
" " <b>Third</b> " " " " .....	✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b> .....	✓	
<b>Framing in Peaks, Angle</b> $\begin{smallmatrix} \text{---} \end{smallmatrix}$ .....	100 75 7%		<b>INNER BOTTOM PLATING.</b>		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	5/8 - 4 3/8"		Breadth and thickness of Middle Line Strake .....	✓	
<b>State if Frame Joggled</b> .....	not joggled		Thickness of remainder in Holds .....		
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars .....	no special panting arrangement or strengthening on account of design		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? .....		
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....			<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			<b>Uppermost Continuous Deck, amidships</b> .....	100 75 7.5%	
<b>Floors, Depth and thickness at mid-line in Holds</b> .....	318 x 7%		" " in way of Bridge, Angle, $\begin{smallmatrix} \text{---} \end{smallmatrix}$ .....	100 75 7.5%	
Height of Brackets at side above base line at toe of frame .....	680%		Spacing .....	400%	
<b>Middle Line Keelson, on Floors, Angles, <math>\begin{smallmatrix} \text{---} \end{smallmatrix}</math> or <math>\begin{smallmatrix} \text{---} \end{smallmatrix}</math></b> .....	75 75 8%		Clear of machinery space 150 x 75 x 9%	BA	space 800%
" " Through Plate or Intercoastal Plate .....	8%		<b>Second Deck, amidships, Angle, [ or ]</b> .....	✓	
" " Foundation Plate on Floors .....	230 x 7%		Spacing .....		
" " Flat Plate Keel Angles .....	90 90 9%		<b>Third Deck, amidships, Angle, [ or ]</b> .....	✓	
<b>Side Keelsons, No. each side</b> .....	one		Spacing .....		
" " thickness of Intercoastal Plate .....	7%		<b>Fourth Deck, amidships, Angle, [ or ]</b> .....	✓	
" " Angles over floors .....	100 75 7%		Spacing .....		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or ]</b> .....	✓	
<b>Solid Floors, thickness and spacing</b> .....	✓		Spacing .....		
" " Are Frame and Reversed Frame joggled? .....			<b>Bridge Deck, Angle, <math>\begin{smallmatrix} \text{---} \end{smallmatrix}</math> (beam &amp; side framing)</b> .....	100 65 7.5%	
<b>Bracket Floors, breadth and thickness at middle line</b> .....	✓		Spacing .....	600%	
" " breadth and thickness at margin plate .....			<b>Forecastle Deck, Angle, [ or ]</b> .....	✓	
			Spacing .....		



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.
<b>PILLARS, No. of Rows.....</b>									
" in 'tween Decks, Size and Spacing.....									
" " " " "									
" in Holds " "			2 5/8	800 1/2					
" " " " "			and to suit accommodation						
<b>Centre Line Bulkhead.</b>									
Stiffeners and Spacing.....			✓						
Plating, thickness of .....									
<b>STRINGERS AND DECKS.</b>									
<b>Uppermost Continuous Deck.</b>									
Stringer Plate, breadth and thickness in Wells			1400	x	6 7/8				
" " " " in way of Bridge			1400	x	6 7/8				
" Angle in Wells .....			75	75	45 7/8				
Thickness of Plating abreast Deck openings } in way of Wells .....					6 7/8				
Thickness of Plating abreast Deck openings } in way of Bridge .....			✓						
Thickness of Plating within line of openings..			✓						
If Sheathed, material and thickness .....			plate 3/16" 2" in way of accommodations						
<b>Second Deck.</b>									
Stringer Plate, breadth and thickness in Wells..			✓						
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 .....									
Thickness of Plating within line of openings..									
If Sheathed, material and thickness .....									
<b>Third Deck.</b>									
Stringer Plate, breadth and thickness.....			✓						
If Plated, state thickness.....									
<b>Fourth Deck.</b>									
Stringer Plate, breadth and thickness.....			✓						
If Plated, state thickness .....									
<b>Poop Deck.</b>									
Stringer Plate, breadth and thickness .....			✓						
Plating, Sheathing, material and thickness ...									
<b>Bridge Deck.</b>									
Stringer Plate, breadth and thickness.....					rounded	5 7/8			
Plating, Sheathing, material and thickness ...					6 7/8	back	2"		
<b>Forecastle Deck.</b>									
Stringer Plate, breadth and thickness.....			✓						
Plating, Sheathing, material and thickness ...									

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jagged? <i>not jagged</i>	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.
	<i>inches m/m</i>	<i>inches m/m</i>	<i>inches m/m</i>	<i>inches m/m</i>			<i>inches m/m</i>	<i>inches m/m</i>		<i>inches m/m</i>	<i>inches m/m</i>	
FLAT PLATE KEEL .....	900	10	8	8	/	double	19	65	three	19	65	lapped.
" DBLG. (if any)												
BOTTOM PLATING, (No. of Strakes) <i>AB</i> .....	A 875	7.5	6.5	6.5	/	single	16	65	two	16	55	lapped.
BILGE PLATING, (No. of Strakes) <i>2</i> .....	B 1180				/	single	16	65	two	16	55	lapped.
SIDE PLATING, (No. of Strakes) <i>2</i> .....	C 950	7.5	6.5	6.5	/	single	16	65	two	16	55	lapped.
UPPER DECK, Sheer-strake in <i>Wells</i> .....	D 660				/							
UPPER DECK, Sheer-strake in Bridge .....	E 860	7.5	6.5	6.5	/	single	16	65	two	16	55	lapped.
STRAKE BELOW Sheer-strake in <i>Wells</i> .....	F 860	8	7	7	/		19	65				
POOP SIDE PLATING .....	G 900	9	6.5	6.5	/				two	19	65	strapped.
BRIDGE SIDE PLATING .....		6/5			/	single	16	65	no butts.			
FORECASTLE SIDE PLATING .....					/							

Total No. of W.T. BULKHEADS in Vessel— *four*  
 Extending to Upper Deck (Sec. 3 c) *four*  
 " Deck next below ✓  
 As per Rule ✓

	Casting or Forging.	Scantlings.	Maker's Name.	Any departures from approved plans to be noted.
<b>KEEL, Bar</b> .....		<i>Flat plate keel.</i>		
<b>STEM</b> .....		<i>Forging 133 x 41</i>	<i>Builders</i>	
<b>STERN FRAME</b> {	Propeller Post	<i>Casting 133 x 75</i>	} <i>Md. Steel Fabricator de Manned Kaiser Wheel</i>	
	Rudder " .....	" <i>133 x 75</i>		
<b>RUDDER—A x D</b> .....				
<b>Speed of Vessel</b> .....				
<b>RUDDER</b> mainpiece at head ..		<i>Forging 135 <sup>7</sup>/<sub>16</sub></i>	<i>Get. N x E. de Jough</i>	
" " heel ..		<i>110 <sup>7</sup>/<sub>16</sub></i>	<i>Bolnes</i>	
" how constructed .....		<i>Arm. shunk on and keyed</i>		
" <b>double or</b> single plate		<i>17 <sup>7</sup>/<sub>16</sub></i>		
" coupling, vertical or				
" horizontal .....		<i>none fitted</i>		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Sumner's Mark; Steel  
Phoenix; Vereinigte Stahlwerke;  
Has the Steel been tested as required by the Rules? tested by Bureau Veritas Surveyors.

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.				
34	1st Bower ...	273	KG	✓	Stockless			8000	KG	✓		✓	Gusson patent	H/O Gusson & Co	Magdalen Bay, B.V. test 11. 12. 26	
35	2nd " ...	269	KG	✓	"			8000	KG			✓	Gusson patent	H/O Gusson & Co	B.V. test 11-12-26	
	3rd " ...															
	Collective weight.															
36	Stream .....	98	KG	✓	21 KG			4000	KG	✓		✓	Common stock	H/O Gusson & Co	Magdalen Bay, B.V. test 11. 12. 26	

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 Strength Steel Wire.	Length and Size per Table 53.		
	Length.	Diam.	Statio- nary.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.	Length.
765	Fathoms.	Ins.	Tons.	Break- ing.			Fathoms.	Ins.					Fathoms.	Ins.	Tons.		Fathoms.	Ins.
1268	140	2.2	3.72	10.58	145.5	5.64			stud	Dortmund Kalkenbach	Dortmund B.V. test 3-2-27	TOWLINE & HAWSEYS & WARPS	110.02	5 1/2	steel wire			
	140	2.2	3.72	10.58	145.5	5.64				Dortmund Kalkenbach	Dortmund B.V. test 3-2-27		110.02	5 1/2	" "			
Iron Steam Chain or Steel Wire	20	16	4.84	9.68	112 kg.				Cir.	Dortmund Kalkenbach	Dortmund B.V. test 3-2-27		62.64	5 1/2	"hawser			
					112 kg.								62.64	4	"hawser			

Builder's Signature ✓

GENERAL DECLARATION The vessel has been surveyed throughout with a view to classification and the scantlings given in this report have been found to agree with the approved plans, copies of which are being sent with this report.

A forepeak tank flat, duplex in way of forecabin and wing tanks in way of aftercabin have been built in the vessel in accordance with the plans approved in this office. The Workmanship was found as far as could be ascertained good. Forepeak tank, duplex tank, wing tanks aft and afterpeak tank have been tested as required by the Rules and found tight. Bulkheads and deck tested by hose and pump tight.

The equipment of the vessel has been examined and found to be as stated above, anchors and cables have been compared with certificates of test and appear to be in accordance with the particulars given thereon; the equipment has been approved for the figure 1. per Secretary's letter M 18-11-27.

P.T.O.

P.T.O.

The amount of Entry Fee, *60/-* £ *10* : *0* : *0* : Fees applied for, *60% fee*  
Special Survey Fee, *12/-* £ *2* : *0* : *0* : *19*  
*24* Received by me, *20.12.21*  
Travelling Expenses, if any *45.00* *19*

I am of opinion the Vessel should be Classed 100 A 1.  
"For towing services."

State whether the Vessel has been built under Special Survey No.

H+M High Commissioner  
Certificate to be sent to Union of South Africa

Signature \_\_\_\_\_  
 Surveyor to Lloyd's Register of Shipping.

*Committee's Minute* TUES. 20 DEC 1927

Character assigned. 100 A1 For Towing Services

L. MC 12:27

Requiem Committee

...below the

THE SUI

[illegible][illegible]

011149-011160-002702



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.)

Freeboard marking verified and cut in on the vessels sides, certificates issued and as per your letter M 23-11-27 the vessel has been suitably prepared for the intended voyage, all openings where necessary have properly closed tarpaulings fitted where required so as to render vessel seaworthy.

The following plans approved in this office are being sent with this report:

Midship Section

General arrangement

Deep tank & forepeak tank plan

Wing tanks aft.

Certificates of Steamframe and Rudder could not be produced.

*Drury*

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

1st Bower *Bureau Veritas Certificates*

2nd " *No drop test certificates available.*

3rd "

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge *10.* ft., Forecastle ☒ ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

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

Official No. ; Signal Letters Is bottom of Vessel coated with cement *Yes* if not give particulars of composition ☒

**PARTICULARS OF WATER BALLAST.—**

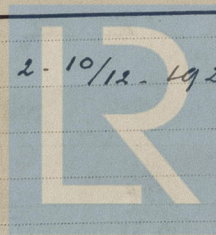
Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity Tons.
Double bottom, aft,			Fore peak tank,	6.75	5.
Double bottom, under Engines and Boilers,			After peak tank,	10.5	22.
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	18.0	27.
Double bottom, forward,			Other tanks, if fitted, <i>Wing tanks aft</i>	13.7	22. (incl)
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. ☒

Date ☒

Dates of Surveys held while building

*28/9; 3-14-20-27/10; 3-10-18/11; 2-10/12-1927.*



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Total No. of Visits *10.*