

STEEL STEAMER or MOTORSHIP.

Received at London Office 1 SEP 1928

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

31/8/28

Port of

NEWCASTLE-ON-TYNE

No. 83200

Survey held at

Walker, Newcastle/Tyne

Date First Survey

31 Oct. 1927

Last Survey

15 August 1928

On the (State if Machinery fitted Aft and of Single, Twin or Triple Screw)

SINGLE SCREW STEAMER

"CASPIA"

MACHINERY AFT.

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

Full scantling

Oil tanker

State Type of Erections

Prop. Re. + Gile

TONNAGE under Tonnage Deck

5519.98

CLASS +100 A1 -

State if with freeboard

10

Built at

Walker

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 412.0

Launched 4 July 1928 Yard No. 1036

Builders See W.G. Armstrong, Whitworth & Co.

Total

5519.98

Breadth (greatest moulded)

B 53.0

Owners Baltic Trading Co. Ltd.

Gross Tonnage

6018.25

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

D 31.5

Managers

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

See OR.

Register Tonnage

3719.82

1st Longitudinal Number (L x D) = 12948

2nd Numeral L x (B + D) = 34814

Residence

Port of Registry London.

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	Longitudinal framing		Bracket Floors, Frame	✓	
" " from 1/2 length to Collision bulkhead	24" as app. plan.		" " Reversed Frame	✓	
" " in peaks	24		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	60R. 54E.	
Frame Amidships, Angle, [or [	Long. framing		" " top Angles	3 1/2 3 1/2 52 P.R.	
" " Extends up to	✓		" " bottom Angles	4 1/2 4 1/2 56	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	10 60R. 10 50E.	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	58	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	✓		" " Bracket abaft 1/2 len. from stem	✓	
" " Second 'tween Decks, Angle, [or [	✓		" " Vertical Angle to Tank side	✓	
" " Third " " " "	✓		" " Bracket forward 1/2 len. from stem	✓	
Framing in Peaks, Angle or [	7 1/2 3 1/2 44		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	✓	
State if Frame Joggled	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Long. framing		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frames, shell increased, keelsons as per approved plan.		Breadth and thickness of Middle Line Strake	56 all.	
SINGLE BOTTOM.			Thickness of remainder in Holds	✓	
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?	yes.	
Height of Brackets at side above base line at toe of frame	✓		BEAMS.		
Middle Line Keelson, on Floors, Angles, [or [	✓		Uppermost Continuous Deck, amidships in Wells, Angle, [or [	Longitudinal	
" " Through Plate or Intercostal Plate	✓		" " in way of Bridge, Angle, [or [✓	
" " Foundation Plate on Floors	✓		Spacing	✓	
" " Flat Plate Keel Angles	✓		Second Deck, amidships, Angle, [or [✓	
Side Keelsons, No. each side	✓		Spacing	✓	
" " thickness of Intercostal Plate	✓		Third Deck, amidships, Angle, [or [✓	
" " Angles	✓		Spacing	✓	
DOUBLE BOTTOM. in A+B space			Fourth Deck, amidships, Angle, [or [✓	
Solid Floors, thickness and spacing	60R. 50E. 25 1/2		Spacing	✓	
" " Are Frame and Reversed Frame joggled?	yes.		Poop Deck, Angle, [or [	7 1/2 3 42	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	24	
" " breadth and thickness at margin plate	✓		Bridge Deck, Angle, [or [	6 3 32	
			Spacing	24 1/2	
			Forecastle Deck, Angle, [or [	7 1/2 3 42	
			Spacing	24	

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.....	2 rows P. 3 rows R. 2 rows		Stringer Plate, breadth and thickness in way of Bridge	42	
" 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	40	
" in Holds " "			Thickness of Plating within line of openings...		
" " " " " "			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	Long. as per approved plans.		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	62.74		If Plated, state thickness		
" " " " in way of Bridge	62.89		Poop Deck.		
" Angle in Wells	5 5 70		Stringer Plate, breadth and thickness	36 36	
Thickness of Plating abreast Deck openings in way of Wells	70 68.55	per plan	Plating, Sheathing, material and thickness	36 30	Sheathed 3" P.P.
Thickness of Plating abreast Deck openings in way of Bridge			Bridge Deck.		
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness.....	40 42	
If Sheathed, material and thickness			Plating, Sheathing, material and thickness	26	Sheathed 3" P.P.
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	42		Stringer Plate, breadth and thickness	36 36	
			Plating, Sheathing, material and thickness	26	Sheathed 3" P.P.

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 or to cr.	
	Inches.	Inches.	Inches.	Inches.			Diam. Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	48	94	70	70		Dentle	1 4	5	1	3 3/4	Lapped
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes		70.60	48	60.74.60		Dentle	7/8 3 1/2	4	7/8	3	Lapped
BILGE PLATING, No. of Strakes		60	55	56		"	"	"	"	"	"
SIDE PLATING, No. of Strakes		58	46	60.58.46		"	"	3	"	3/8	"
UPPER DECK, Sheer-strake in Wells.....	59	96	46	46		"	1 1/8 4 1/2	5	1 1/8	3 3/8	"
UPPER DECK, Sheer-strake in Bridge ...		96	Dentle	36		"	"	3	"	4	D. Snaps
STRAKE BELOW Sheer-strake in Wells.....		74	46	46		"	1 4	4	1	4	Lapped
STRAKE BELOW Sheer-strake in Bridge ...		74				"	"	"	"	"	"
POOP SIDE PLATING				38		Single	3/4 3	3	3/4	2 3/4	"
BRIDGE SIDE PLATING ...		42				Dentle	"	2	"	"	"
FORECASTLE SIDE PLATING			42			Single	" 2 1/2	2	"	"	"

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 14

Deck next below —

As per Rule appears 14

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.		Spacing.		Scantlings.		Spacing.	
		Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
MIDSHIP BULKH'D, Upper tween decks	36	7.5	40	33					
" " Second "									
" " Third "									
" " Holds	50	34	2			10.5	46	30	
COLLISION " (in Hold)	48	30	6.5	44	24	6.5	30	44	24
AFTER PEAK " " 	44	30	7.5	44	24	6.5	30	44	24

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				Flat plate.
STEM				Roller 8 1/2 10 1/2 2 3/4 Gradingham
STERN FRAME	Propeller Post	2 1/2 Cast. 10 1/2 8	Darlington Forge Co.	
	Rudder	9 8		
RUDDER—A x D		15.5 13 x 3.58 = 556		
Speed of Vessel		11 knots.		
RUDDER mainpiece at head ..		2 1/2 11 3/4	Darlington Forge Co.	
	heel ..	8 1/4		
" " how constructed		2 pieces. T.Built.		
" double or single plate ..		Single		
" coupling, vertical or horizontal		Horizontal.		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) —

Bolckers Langham: Amers: Appleby: S. Duffan: D. Homan Lang: S. J. Hall: Reese & Partners: Cleveland: Gradingham: Darlington: Colville.

Has the Steel been tested as required by the Rules? —

Yes.

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Lloyd's Register Foundation

EQUIPMENT No. 36269										LETTER Z		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.			
43754	1st Bower ...	64	3	6	scless			50	17	2	0	63. 3. 0	Green's Quick Grip	Green	CH. 5.6.28 Ser
43752	2nd „ ...	63	1	0	"			50	2	2	0	63. 3. 0	" " "	"	" "
43753	3rd „ ...	54	2	14	"			45	2	3	4	54. 2. 0	" " "	"	" "
	Collective weight.	182	2	20	/							182. 0. 0			
17454	Stream	17	2	0	4	2	7	18 5/8				17. 2. 0	Rodgers	Hendrick & Mole	CH. 18.6.28 ag

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.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
31982	270	2 1/4	9 1/8	12 7/8	686.1.21	682.1.0	270	2 3/16	Steel	Hendrick & Co.	Ch. 11.6.28	TOWLINE...	120	5	59	120	5
32174	11 ft.	2 1/4	9 1/8	12 7/8	5.1.0 (short length)				"	"	9.8.28	HAWSERS & WARPS	2@60	3	18	2@90	8
												"	2@90	8	man.	2@90	8
												"	2@90	7	-	2@90	7
												"	1@120	8	"		
												"	1@120	4	temp.		
												"	1@120	3	"		
Iron Stream Chain or Steel Wire	90	4 3/4	47	✓			90	4 3/4	G.S.W.	R. Ford & Co.	Hagie	15.6.28					

Steering Gear, Steam		Steering Gear, Hand	
Boats 2 lifeboats 24' caps 22' Dugby 20'		Windlass Clarke Chapman & Co.	
Ceiling in Holds, thickness and material None		Cargo Battens, thickness, material and spacing 6" x 2" up to 9"	
Cargo Hatchways. (Upper Deck) Steel coverings.		Thickness of Hatches 3"	
Size of No. 1 Hatchway (Forward) 8' x 10'		No. 2	
No. 3		No. 4	
No. 5		No. 6	
Number of Shifting Beams and/or Fore and Afters 1 shifting beam.		For	
		SIR W. G. ARMSTRONG, WHITWORTH & CO. LTD.	
Builder's Signature		W. G. Armstrong	

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel. *yes.* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. *✓* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved plans, the Secretary's letters and in general conformity with the Society's Rules.

The materials and workmanship are satisfactory.

All the oil compartments, cofferdams, bunkers, peak tanks and double bottom tanks have been tested as required by the Rules. The weather decks and forepeak bulkhead above tank have been hose-tested. The scoundings and arrangement in machinery space and forward are as approved.

The windlass and steering gears have been tried and found satisfactory.

The approved plans and forging reports are forwarded herewith, also plans of midship section and profile and decks of vessel as fitted.

Sister vessel of S.S. Varona: same builders N° 1023

The amount of Entry Fee £ 10 : 0 : 0	Fees applied for, 28.8.1928	Received by me, R. Langlands	I am of opinion the Vessel should be Classed <i>+100 A1</i> <i>Carrying petroleum in bulk</i>
Special Survey Fee... £ 525 : 13 : 6			
Travelling Expenses, if any £ 11 : 0 : 0			
State whether the Vessel has been built under Special Survey <i>yes.</i>	Signature <i>R. Langlands</i>		
H&M Certificate to be sent to <i>NEWCASTLE ON TYNE</i>	Date of issue <i>7/9/28</i>		

Committee's Minute	FM. 7 SEP 1928
Character assigned	<i>+100 A1 Carrying Petroleum in Bulk</i>
	<i>Lloyd's A & C.P. + P.M.C. 8.28 F.D. C.I.</i>
	<i>Fitted for Oil Fuel 8.28 F.P. above 150°F</i>
	<i>W. G. Armstrong</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 **Drop Test** of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower

39.7.14: Q.C.B.: 543: 18.11.27

2nd "

39.1.0: N.A.B.: 1284: 9.8.27

3rd "

31.1.12: N.A.B.: 896: 17.4.28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 107.7 ft., R.Q.D. ☒ ft., Bridge 28 ft., Forecastle 46.2 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) 2 Dks (S/I) & net frames.

Official No.

Signal Letters

Is bottom of Vessel coated with cement *yes - if not give*

particulars of composition *spaces other than oil compartments.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	22.38	66
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	14.0	59
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	40	64	Deep tank, forward,	38	338
Double bottom, forward,	✓	✓	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		64	(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. 5243

Date 3.10.27

Dates of Surveys held while building

1927 OCT. 31. 1928.

JAN. 9. 12. 27. 30. FEB. 6. 22. 24. MAR. 6. 14. 16. 27. 28. APR. 12. 20. 25.

MAY. 7. 9. 11. 14. 16. 17. 18. 21. 22. 23. 24. 25. 29. 30. 31. JUNE. 1. 5. 6. 7. 13. JULY. 12. 16. 27. 31.

AUG. 1. 2. 7. 15.

Lloyd's Register
Foundation
Total No. of Visits 44

S.S. 'CASPIA'.

Sir W. G. Armstrong, Whitworth & Co. Ltd. No. 1036
NEWCASTLE-ON-TYNE 83200

apt. 1*.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			Rivets in Longitudinal Frames.		RIVETING.		Rivets in Brackets to Bulkheads.	
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Diam.	Spang.	Spacing of Rivets on each side of Transverses and Bulkheads.	Number.	Diameter.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Inches.		Inches.	
Framing of \angle , \square , \square																		
Names in Bridge 'tween Decks ...																		
Names from Uppermost Continuous Deck																		
No. 1	7	3 1/2	.32	6	3 1/2	.40	7	3 1/2	.32	6	3 1/2	.40	7/8	5/16			7	7/8
" 2	"	"	"	"	"	"	"	"	"	"	"	"	"	"			7	"
" 3	7 1/2	"	.36	"	"	.42	7 1/2	"	.36	"	"	.42	"	"			"	"
" 4	8	"	.38	6 1/2	"	.42	8	"	.38	6 1/2	"	"	"	"			8	"
" 5	8 1/2	"	"	7	"	"	8 1/2	"	"	7	"	"	"	"	3 1/6 for 9R		10	"
" 6	9	"	.40	"	"	.50	9	"	.40	"	"	.46	"	"	"	"	"	"
" 7	"	"	.46	7 1/2	"	"	"	"	.46	7 1/2	"	"	"	"	"	"	"	"
" 8	9 1/2	"	.42	8	"	"	9 1/2	"	.42	8	"	"	"	"	3 1/6	"	"	"
" 9	"	"	.49	8 1/2	"	.48	"	"	.49	8 1/2	"	.44	"	"	"	"	"	"
" 10	10	"	.46	"	"	.54	10	"	.46	"	"	.48	"	"	"	"	"	"
" 11	10 x 3 1/2 x 3 1/2		.42	9	"	.52	10 x 3 1/2 x 3 1/2		.42	9	"	.50	"	"	"	"	16	"
" 12	"	"	"	9 1/2	"	"	"	"	"	9 1/2	"	.50	"	"	"	"	"	"
" 13	12 x 3 1/2 x 3 1/2		.50	6	"	.40	12 x 3 1/2 x 3 1/2		.50	6	"	.40	"	"	"	"	12	"
" 14				"	"	"				"	"	"	"	"	"	"		
" 15																		
" 16																		
Spacing of Longitudinal Frames	Amidships 30						30											
	At Ends																	

Double Bottoms \angle , \square or \square	Tank Top Longitudinals																
	Bottom																
Spacing of Longitudinals	Amidships																
	At Ends																

Transverses.												Riv. Lugs to Shell					
												Diam.	Speng.				
In Bridge 'tween Decks	Depth and Thickness																
	Face Angles																
	Lugs to Shell*																
In Upper 'tween Decks.	Depth and Thickness		20	.40	18	.40	20	.40	18	.40							
	Face Angles		3 1/2	3 1/2	.48	3 1/2	3	.40	3 1/2	3 1/2	.48	3 1/2	3	.40			
	Lugs to Shell* <i>jog.</i>		3 1/2	3 1/2	.40	3 1/2	3 1/2	.40	3 1/2	3 1/2	.40	3 1/2	3 1/2	.40	7/8	3 5/16	
In Hold.	Depth and Thickness		25	.44	30	.50	25	.44	30	.50							
	Face Angles		6	3 1/2	.56	6	3 1/2	.60	6	3 1/2	.56	6	3 1/2	.60			
	Lugs to Shell* <i>jog.</i>		6	6	.44	6	6	.46	6	6	.44	6	6	.46	7/8	3 5/16	
" " Back Bars ...		.46 x .40		.44		.46 x .40		.44								
Brackets		8' 2 1/2"				8' 2 1/2"											
Spacing of Transverse Frames																	
* State if joggled or liners.																	
As approved.																	

Longitudinal Beams of \angle , \square , \square		In Ship.			As approved.			Spacing.		Transverse Beams.	In Ships.		As approved.	
		Plate.	Angles.	Plate.	Angles.	Plate.	Angles.	Plate.	Angles.		Plate.	Angles.	Plate.	Angles.
\angle , \square , \square	Bridge Deck													
	Upper	3	.36	6	3	.36	7	3	.36	6	3	.36	18 x .40	5' 1/2
	Second	3 1/2	.40	6	3	.36	4 1/2	3	.32	6	3	.36	24 x .40	6 x 3/4
	Third													

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.