

STEEL STEAMER or MOTORSHIP.

Received at London Office...

17 OCT 1931

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 *5/10/31*Port of *Lith.*No. *18070*Survey held at *Lith.*Date First Survey *3rd April 1931*Last Survey *30/9/1931*

19

On the *SS. "LAFONIA"*State Type *Full scantling. Without tonnage spring* State Type of Erections *P.B. & F. (POOP & BRIDGE connected)*TONNAGE under Tonnage Deck... *456.92*CLASS *+100A1*State if with freeboard as condition of Class *no*Built at *Lith.*Launched *18/8/31*Yard No. *189*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 165.0*Breadth (greatest moulded) *B 32.5*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 13.5*1st Longitudinal Number (L x D) *= 2227.5*2nd Numeral L x (B + D) *= 7590*Framing Depth "d," at middle of length. See Sec. 3 (1d) *11.08*Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.22*
Do. Long Bridge to top of keel *8.04*Draught Moulded *13.20*Builders *Messrs Henry Rott & Co*Owners *FALKLAND ISLAND CO. LTD*Managers *✓*Residence *London*Port of Registry *Lith.*If surveyed while building, afloat, or in dry dock *while building*

REGISTERED DIMENSIONS.

FEET.

Length *165.8*Breadth *32.7*Depth *11.75*

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	<i>22</i>		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead	<i>18</i>		" " Reversed Frame		
" " in peaks <i>aft forward</i>	<i>22</i> <i>18</i>		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>29 1/2 37</i>	
Frame Amidships, Angle <i>E or F</i>	<i>5 3 30</i>		" " top Angles	<i>3 3 33</i>	
" " Extends up to <i>Bridge deck</i>			" " bottom Angles	<i>3 3 37</i>	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	<i>one 28 38</i>	<i>in BS</i>
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	<i>20 31</i>	<i>in BS</i>
Depth of Framing Girder	<i>5</i>		" " Vertical Angle to Tank side	<i>5 5 30</i>	<i>in BS</i>
Frames in Uppermost Continuous 'tween Decks, Angle <i>E or F</i>	<i>alternate from frame N° 12 to Eng. BMD. from frame N° 12 aft 2 1/2 x 2 1/2 angles are fitted between the alternate frames.</i>		" " Bracket abaft $\frac{1}{4}$ len. from stem	<i>5 5 38</i>	<i>in BS</i>
" " Second 'tween Decks, Angle <i>E or F</i>			" " Vertical Angle to Tank side	<i>5 5 30</i>	
" " Third " " "			" " Bracket forward $\frac{1}{4}$ len. from stem		
Framing in Peaks, Angle <i>E or F</i>	<i>4 1/2 3 39</i>		Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 1/4 spaced 7 diams c.c.</i>		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
State if Frame Joggled	<i>yes</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>36 28</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>see letter</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>see letter</i>		Breadth and thickness of Middle Line Strake	<i>39 48-40 55 in BS</i>	
SINGLE BOTTOM.			Thickness of remainder in Holds	<i>39 38</i>	<i>29-38</i>
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?	<i>yes</i>	
Height of Brackets at side above base line at toe of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, [or [Uppermost Continuous Deck, amidships	<i>5 3 35</i>	
" " Through Plate or Intercostal Plate			" " in Wells, Angle <i>E or F</i>	<i>on every frame</i>	
" " Foundation Plate on Floors			" " in way of Bridge, Angle	<i>As per Profile Deck Plan</i>	
" " Flat Plate Keel Angles			Spacing	<i>✓</i>	
Side Keelsons, No. each side			Second Deck, amidships, Angle, [or [
" " thickness of Intercostal Plate			Spacing		
" " Angles			Third Deck, amidships, Angle, [or [
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	<i>28 every frame</i>		Fourth Deck, amidships, Angle, [or [
" " Are Frame and Reversed Frame joggled?	<i>yes</i>		Spacing		
Bracket Floors, breadth and thickness at middle line			Poop Deck, Angle, <i>E or F</i>	<i>As per Profile Deck Plan</i>	
" " breadth and thickness at margin plate			Spacing	<i>- - -</i>	
			Bridge Deck, Angle, <i>E or F</i>	<i>As per Profile Deck Plan</i>	
			Spacing	<i>- - -</i>	
			Forecastle Deck, Angle, <i>E or F</i>	<i>5 3 35</i>	
			Spacing	<i>every frame</i>	

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.....			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 Well			If Plated, state thickness		
" " " " in way of Bridge			Poop Deck.		
" Angle in Wells			Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells			Plating, Sheathing, material and thickness		
Thickness of Plating abreast Deck openings in way of Bridge			Bridge Deck.		
Thickness of Plating within line of openings...			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.....		
			Plating, Sheathing, material and thickness		

SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.						
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.		SINGLE OR DOUBLE.	Inches.	Inches.		Inches.	Inches.			
FLAT PLATE KEEL	39	46	60	60	No cap action from shell expansion plan approved 30/4/31 For departure from approved Plans see Midship Section & Profile & Deck Plans approved 9/2/31.	Double	3/4	4	Twelve	3/4	Lapped			
„ DBLG. (if any)	(3/8" No. plate fitted aft)					Double	3/4	4	Double	3/5	Lapped			
BOTTOM PLATING, No. of Strakes	A 65	35	52	32		"	B	"	"	5/8	"			
BILGE PLATING, No. of Strakes	C 66	35	31	31		"	C	"	"	3/4	9/8			
SIDE PLATING, No. of Strakes	D 65	35	31	31		"	D	"	"	5/8	(3 straps lapped across)			
UPPER DECK, Sheer-strake in Wells	E 44	35	34	31		"	E	"	"	3/4	5/8			
UPPER DECK, Sheer-strake in Bridge	F 42	40	45	31		"	F	"	"	7/8	"			
UPPER DECK, Sheer-strake in Bridge	F 42	40	45	31		"	F	3/4	"	"	"			
STRAKE BELOW SHEER-strake in Wells	E	41	36			"	E	3/4	9/8	"	3/4			
STRAKE BELOW SHEER-strake in Bridge	E	41				"	E	3/4	"	"	3/4			
POOP SIDE PLATING				28			5/8	"	"	5/8	"			
BRIDGE SIDE PLATING		38					"	"	"	5/8	"			
FOREC'TLE SIDE PLATING				28			"	"	"	5/8	"			

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		5	
Extending to Upper Deck (Sec. 3 c)		✓	
,, Deck next below		✓	
As per Rule		5	

Plating Thickness.	STIFFENERS.					
	VERTICAL.		HORIZONTAL.			
	Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D, Upper tween decks						
Frame No. 1	Second	69	31	26	5x3x30 L average	27
,,	Third	53	38	26	6x3x38 L	30
,,	Holds	29	32	26	6x3x38 L	27
COLLISION	(in Hold)	84	36	26	6x3x32 L	24
AFTER PEAK		6	34	30	6x3x36 L	24
					3½x3½x28 L	

Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓		
STEM		6" x 13/8"	
STERN FRAME	Propeller Post	Iron forging 5 7/8 x 3 1/2	T.S. Forster & S
	Rudder	" 5 5/8 x 3 1/2	
		See also OERTZ Rudder Plan	
RUDDER—A x D			
Speed of Vessel		10½ Knots	
RUDDER	mainpiece at head	Stock	
	heel	5" dia	Henry Roth & Co
	how constructed	OERTZ PATENT	
	double or single plate	double	
	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)	The Steel Company of Scotland Ltd - Connell Iron Co Ltd.
	Has the Steel been tested as required by the Rules?	yes

EQUIPMENT No 8537										LETTER	ANCHORS.
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	
33748	1st Bower	22	0	0				22	7	2	16 3/4
33750	2nd "	21	3	14				22	5	2	16 3/4
33749	3rd "	18	3	14				19	15	1	14 1/2
	Collective weight.	61	3	0							48.0
32526	Stream	4	3	0	1	1	7	7	2	2	4 3/4

CHAIN CABLES.

HAWERS 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.	Statu- Break- ing.	Supplied.	Per Rule.	Length. Diam.					Length. Cir.	Tons.	Length. Cir.
46045	210 1 5/16	31	46 1/2	185.3.0	168	210 1 5/16 SL	Cradley Heath	27/6/31	TOWLINE...	75 2 3/4	15.2	75 2 3/4
								L.P.	HAWERS & WARPS	90 6	6	90 6
										90 4	4	90 4
Iron Stream Chain or Steel Wire	60 3 5/8	Tons 186				60 3 5/8						

Steering Gear, Steam *G. Thomas Reid* Steering Gear, Hand *G. Thomas Reid*
Boats *Two lifeboats* Steering Chains, Size and Test *13/16 7. 18. 8. 0* Windlass *G. Clark Chapman*
Ceiling in Holds, thickness and material *2 1/2 W.P.* Cargo Battens, thickness, material and spacing *close ceiling 2" W.P.*
Cargo Hatchways. (Upper Deck) *of plate & angles* Thickness of Hatches *2 1/2" W.P. at No 3 Hatchway*
Size of No. 1 Hatchway (Forward) *9'0" x 12'0"* No. 2 *12'0" x 14'0"* No. 3 *12'0" x 14'0"* No. 4 *✓* No. 5 *✓* No. 6 *✓*
Number of Shifting Beams *at No 3 Hatchway, one.*

Builder's Signature

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel. ☒ (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 plans forwarded herewith, and in general conformity with the Rules. The material and workmanship are good. The double bottom tanks the Fore & After Peak Tanks, the weather decks, the shaft tunnel & the W.T. Bulkheads have been built in accordance with the Rule requirements with satisfactory results. The W.T. doors, the steering gear & the windlass have been run in good working order, as have also the patent steel hatch covers in way of hatchways No 1 & 2. The pulsed marks have been cut upon the Vessel's sides and verified. The shell plating to stem frame is of Rule thickness. The following plans are forwarded herewith: - Midship Section, Profile & Deck, Hatches, Macanbing Patent Steel Hatch Covers.

The amount of Entry Fee £ 4 : 0 : 0
Special Survey Fee.... £ 76 : 16 : 0
Travelling Expenses, if any £ : :
Fees applied for, 6-10-1931
Received by me, 19.10.1931

I am of opinion the Vessel should be Classed **+100A1**.State whether the Vessel has been built under Special Survey *yes*

Signature

Ernest Edwards
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Leith* Date of issue *20/10/31*Committee's Minute *FRI, 16 OCT 1931*Character assigned *+100A1*

Wick
Glasgow
16/10/31
Lloyd's A+C

+ L.M.C. 9.31
C.L.



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Lloyd's Register
Foundation

002222-002228-0012 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.)

Shed Expansion • Girders & Pillars. Bulkheads. Shaft Tunnel. Stern Frame. "OERTZ" Reacher - Tunnel Plating Beams & Girders - Mast - The aforementioned plans have been approved. The following plans are also forwarded herewith: - "Midship Section" showing hull as built. "Upper D. & Lower Treen D. Forward" as built. "Bridge Deck" as built. "Hatches" as built. Two reports on Forgings are also forwarded -

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

1st Bower	12-1-17	MD	8667	12-9-30
2nd "	12-1-17	"	8658	12-9-30
3rd "	11-0-16	"	8718	25-9-30

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle — ft. (Deck 1705' open ft.)
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. *Poop & Bridge joined 108.66*

No. and Material of Decks (This information is to be given as it should appear in the Register Book) *1 D. All well D. 2nd D. (20) in 1st hold.*

Official No. *161827* ; Signal Letters *✓*

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

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <i>frame Nos 16-30</i>	3		Fore peak tank,	14.0	17.5
Double bottom, under Engines and Boilers, <i>✓</i>	25.66	23	After peak tank,	11.0	24.5
Double bottom, if under Engines only, <i>frame No 30-37</i>	12.9	18	Deep tank, aft, <i>✓</i>		
Double bottom, if under Boilers only, <i>✓</i>			Deep tank, forward, <i>(Dry Tank in D13 between frames No 44 & 53. Feed water in DB between frames No 37 & 44.)</i>		
Double bottom, forward, <i>Tanks No 1 & 2</i>	69.2	87	Other tanks, if fitted, <i>(If necessary, furnish further information by sketch.)</i>		
		Total capacity of double bottom 128			

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. *1204*

Date *16/2/31*

Dates of Surveys held while building

1931.
April 3. 8. 10. 15. 22. 28 May 4. 6. 13. 20. 26.
June 3. 8. 12. 24. 29. July 3. 7. 10. 21. 24. 27. 30.
August 4. 10. 12. 13. 17. 18. 27. September 9. 16. 18. 19. 22. 26.

Total No. of Visits *36*