

STEEL STEAMER or MOTORSHIP.

Received at London Office 5 DEC 1936

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 4 December 1936

Port of *Sunderland*

No. 31942

Survey held at *Sunderland*

Date First Survey 18 February 36

Last Survey 28 November 1936

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw Steamer "LLANASHE"*State Type (Full Specification, Complete Superstructure with or without Tonnage Openings) *Complete Superstructure with Tonnage Opening*State Type of Erections *None*TONNAGE under Tonnage Deck... *4396.19*CLASS *100 A1*State if with freeboard as condition of Class *with freeboard*Built at *Sunderland*

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 410.0*

Launched 30 Sept 1936 Yard No. 243

Total *4396.19*Breadth (greatest moulded) *B 56.29*Builders *Messrs Bartram & Sons Ltd*Gross Tonnage *4835.64*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 36.16*Owners *Clanona Radcliffe S. S. Co Ltd*Register Tonnage *2911.10*1st Longitudinal Number (L x D) *14620*Managers *Evau Thomas Radcliffe & Co*

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

2nd Numeral L x (B + D) *37699*Residence *Cardiff*

REGISTERED DIMENSIONS.

FEET.

Length *417.66*Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.75**24.12*Breadth *56.5*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.33*Port of Registry *London*Depth *25.08*Do. Long Bridge to top of keel *24'-10 3/8"*Draught Moulded *24'-10 3/8"*If surveyed while building, afloat, or in dry dock *Yes*

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	31"		Bracket Floors, Frame	B.A. N.B.S. 6 3 1/2 42	
" " from 3/8 length to Collision bulkhead	27"		" " Reversed Frame	B.A. N.B.S. 6 3 36	4 x 3 1/2 42 L
" " in peaks	24"		" " Vertical Struts	Channel 8 x 3 1/2 x 3 1/2 142	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 3/4 x 54	
Frame Amidships, Angle <i>E or [N.B.S.</i>	12 3 1/2 60		" " top Angles	Single 5 5 47	
" " Extends up to	2nd Deck		" " bottom Angles	Single 6 6 53	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	one 38	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	38" x 54	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	5 5 43	
Frames in Uppermost Continuous 'tween Decks, Angle <i>E or [N.B.S.</i>	6 3 1/2 36		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	8 8 43	
" " Second 'tween Decks, Angle, <i>[or [</i>			" " Gussets, spacing and scantling abaft 1/2 len. from stem	every 3 1/2 52 41	
" " Third " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	every 6 4 56	
Framing in Peaks, Angle <i>E or [N.B.S.</i>	7 3 1/2 46	4 x 3 1/2 46 N.B.S.	Tank Side Brackets, height above base line at toe of Frame and thickness	46 3/4 x 44	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 multiple punch as approved		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes</i>		Breadth and thickness of Middle Line Strake	72 x 50	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	3 stringer 19" x 40 frames 15" x 44 x 41/62		Thickness of remainder in Holds	44	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	A.B. & C strakes increased to 65 single frames 5 5 43 & additional Girders as appd		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>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	N.B.S. 8 3 1/2 35	1/2 beam through
Height of Brackets at side above base line at toe of frame			" " in Wells, Angle, <i>E or [</i>	7 3 1/2 42	
Middle Line Keelson, on Floors, Angles, <i>[or [</i>			" " in way of Bridge, Angle, <i>[or [</i>		
" " Through Plate or Intercoastal Plate			Spacing	31"	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, <i>E or [N.B.S.</i>	9" 3 1/2 38	1/2 beam through
" " Flat Plate Keel Angles			Spacing	31"	
Side Keelsons, No. each side			Third Deck, amidships, Angle, <i>[or [</i>		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, <i>[or [</i>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	42 7'-9"		Poop Deck, Angle, <i>[or [</i>		
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		Spacing		
Bracket Floors, breadth and thickness at middle line	43 x 42	32" x 42	Bridge Deck, Angle, <i>[or [</i>		
" " breadth and thickness at margin plate	37" x 42	32" x 42	Spacing		
			Forecastle Deck, Angle, <i>E or [</i>		
			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.
PILLARS, No. of Rows					Stringer Plate, breadth and thickness in way of Bridge	✓			
" in 'tween Decks, Size and Spacing	4	4	40L		Thickness of Plating abreast Deck openings in way of Wells	✓	36		
" " " " "			62"		Thickness of Plating abreast Deck openings in way of Bridge	✓			
" in Holds					Thickness of Plating within line of openings		34		
" " " " "					If Sheathed, material and thickness		None		
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing	B.A. N.B.S.	10	3 1/2	44 and as app'd	Stringer Plate, breadth and thickness				
Plating, thickness of			SP 62"		If Plated, state thickness				
			30						
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness				
Stringer Plate, breadth and thickness in Wells		68"	-68	72" X	If Plated, state thickness				
" " " " in way of Bridge	✓								
" Angle in Wells		6	6	-60	Poop Deck.				
Thickness of Plating abreast Deck openings in way of Wells		50			Stringer Plate, breadth and thickness				
Thickness of Plating abreast Deck openings in way of Bridge	✓				Plating, Sheathing, material and thickness				
Thickness of Plating within line of openings		39			Bridge Deck.				
If Sheathed, material and thickness		2 1/2" P.P. over Arc		app'd only	Stringer Plate, breadth and thickness				
Second Deck.					Plating, Sheathing, material and thickness				
Stringer Plate, breadth and thickness in Wells		82 3/4	38		Forecastle Deck.				
					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.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.
FLAT PLATE KEEL	5 1/2	.44	.41	.64	✓	Double	1"	3 3/4	4	1"	4 7/8
" DELG. (if any)	✓										
BOTTOM PLATING, No. of Strakes	44 1/2	.59	.49	.59	✓	Double	7/8	3 3/4	3	7/8	3 3/8
BILGE PLATING, No. of Strakes	80	.59	.49	.59	✓	Double	7/8	3 3/4	3	7/8	3 3/8
SIDE PLATING, No. of Strakes		.59	.46	.46/59	✓	Double	7/8	3 3/4	3	7/8	3 3/8
UPPER DECK, Sheer-strake in Wells	✓										
UPPER DECK, Sheer-strake in Bridge	100"	.68	.46/56	.46	✓	Double	7/8	3 3/4	4	7/8	3 3/8
STRAKE BELOW Sheer-strake in Wells	✓										
STRAKE BELOW Sheer-strake in Bridge	92	.59	.46	.46	✓	Double	7/8	3 3/4	3	7/8	3 3/8
POOP SIDE PLATING	✓										
BRIDGE SIDE PLATING	✓										
FORECASTLE SIDE PLATING	✓										

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	1
" Deck next below	6
As per Rule	7

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks					
" " Second					
" " Third		B.A. N.B.S.	3 1/2	12" x 3 1/2" N.B.S.	3 1/2
" " Holds		36" x 28" N.B.S.	30	11" x 3 1/2" N.B.S.	30
COLLISION					
" (in Hold)		48" x 30" N.B.S.	24	4" x 3" x 33" B.A.	24
AFTER PEAK					
" " "		60" x 30" N.B.S.	24	7" x 3" x 34" B.A.	24

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Flat Plate	Keel		✓
STEM	R.S.	9 1/2" x 2 1/2"		✓
STERN FRAME	Propeller Post	C.S.	as	✓
	Rudder	C.S.	app'd	✓
Speed of Vessel		10 knots		
RUDDER—Type		Double plate		
" A x D		443		
" Diam. of head		9 1/2"		
" Mainpiece at top pintle		10 7/16" x 7"		
" " heel		10 7/16" x 1 1/16"		
" how constructed		cast steel		
" 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)
 Bonalt Iron Co. Skinningrove Iron Co. Dorman Long & Co. St. Dunstan Steel & Iron Co.
 Cargo Flat Iron Co. Appleby Frodingham Steel Co.
 Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No 38262										LETTER <i>A+</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.				
95276	1st Bower ...	68	2	18				53	1	3	14	✓ 68	Byers Type	S Taylor & Son Ltd. 18.6.36	JAK
95275	2nd „ ...	67	2	21				52	10	0	0	✓	Byers Type	S Taylor & Son Ltd. 18.6.36	JAK
95316	3rd „ ...	60	2	0				48	12	2	0	✓	Byers Type	S Taylor & Son Ltd. 30.6.36	JAK
	Collective weight.	196	3	19								194½			
95330	Stream	19	0	19	4	3	5	20	1	3	14		Ordinary (forged wrought iron)	S Taylor & Son Ltd. 1.7.36	JAK

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.	Statu- tory.	Break- ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Fathoms.	Ins.
88180	270	2	100 ⁴ / ₅	141 ¹ / ₁₀	583.3.0	420 ³ / ₄		270	2 ⁵ / ₁₆	Steel hook Tayco	S. Taylor & Son Ltd	24.8.36 JAK	TOWLINE...	120	4 ³ / ₄	64.6	120	4 ³ / ₄	
88264		2	100 ⁴ / ₅	141 ¹ / ₁₀	2-0-6					Shackles	S Taylor & Son Ltd	22.10.36 JAK		HAWSERS & WARPS }	2/90	2 ³ / ₄	15.2	2/90	2 ³ / ₄
3 Shackles															2/90	2 ¹ / ₂	13.2	2/90	2 ¹ / ₂
		Cir.							Cir.					"					
Iron Stream Chain or Steel Wire	90	5	✓	52.8	✓			90	5		Dawson & Moberly								

Steering Gear, Steam *John Lynn & Co Ltd.* Steering Gear, Hand *Secondary means of steering gear consisting of blocks & wire lead to after wheel*

Boats *2 lifeboats 25 ft. 2 Dughey 16 ft.* Steering Chains, Size and Test *Telemotor* Windlass *Emerson Walker*

Ceiling in Holds, thickness and material *under hatches W.W. 2 1/2"* Cargo Battens, thickness, material and spacing *6" x 2" W.W. 9"*

Cargo Hatchways.—(Upper Deck) *Mild plate & Dughey Ruth Patent* Thickness of Hatches *2 1/2" Upper Deck 2 1/2 x 2 3/4" 2nd Deck*

Size of No. 1 Hatchway (Forward) *29' 3" x 22' 0"* No. 2 *31' 0" x 22' 0"* No. 3 *28' 5" x 17' 2"* No. 4 *36' 2" x 22' 0"* No. 5 *36' 2" x 22' 0"* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *No 1 & 2 - 5 No 3 - 4 No 4 & 5 - 6*

FOR AND ON BEHALF OF
BARTRAM and SONS LTD.
Builder's Signature *Cecil McFetrich*
(CECIL MCFETRICH)
SECRETARY & ACCOUNTANT.

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
(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.

The vessel has been constructed in accordance with the approved plans, the Secretary's letter and the Society's Rules.

The Material and Workmanship are good

The freeboards have been verified and cut in on the vessels sides

The double bottom tanks and peaks have been tested as required by the rules and found in order.

The decks and bulkheads have been tested as required by the Rules and found in order

The Windlass and steering gear have been tried under working conditions

The vessel was examined in drydock and found in order.

The amount of Entry Fee £ *8* : - : - Fees applied for, *19 Nov. 1936* (Special notations, where part of class, to be stated.)

Special Survey Fee £ *316* : *16* : - Received by me, *31.12.1936* I am of opinion the Vessel should be Classed *+ 100 A1* with freeboard

Freeboard 15' -

Travelling Expenses, if any £ : : : *11/1/37*

State whether the Vessel has been built under Special Survey *Yes* Signature *R. R. Heathcote*
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND.* Date of issue *2/1/37*

Committee's Minute *FRI. 18 DEC 1936*

Character assigned *+ 100 A1 with fbd.* *+ Inc 11.36*
Lloyd's A.C.P. *Spt. C.L.*

with new

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W1147-0141 3/2

STEEL

Date 20. 2. 26

Dates of Surveys held while building

1936 Feb 18, 19. Mch 4, 9, 10, 18, 20, 24, 26. Apr 6, 14, 22, 28, 30. May 5, 12, 15, 18, 21, 25, 26, 27.
June 5, 8, 10, 12, 15, 16, 18, 22, 26, 27, 30. July 2, 8, 10, 11, 16, 24, 28, 30. Aug 4, 11, 13, 20, 25, 27.
Sep 1, 2, 4, 9, 11, 14, 15, 18, 22, 25, 28, 30. Oct 2, 14, 19, 22, 23, 26, 27, 28, 29. Nov 3, 4, 5, 6, 12,
13, 16, 18, 28.

Total No. of Visits

Total No. of Visits 44