

STEEL STEAMER or MOTORSHIP.

-2 APR 1929

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel From MiddlesbroughDate of completion of report March 28th 1929.Port of Sunderland.Survey held at SunderlandDate First Survey 9th August '28Last Survey 28th March

1929

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

Single Screw Steamer "LLANARTH", Machinery amidships

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

Complete Superstructure, with Tonnage OpeningState Type of Erections ✓TONNAGE under Tonnage Deck... 4575.17CLASS 100A1 With Freeboard (State if with freeboard) as condition of ClassBuilt 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 400.0Launched Jan. 24th 1929. Yard No. 265

Total

Breadth (greatest moulded) B 53.75Builders Messrs Bartram & Sons Ltd.Gross Tonnage 5088.92Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 35.83Owners The Pictou S.S. Co. Ltd.Register Tonnage 3041.731st Longitudinal Number (L x D) = 14,332Managers Evans Thomas Radcliffe & Co

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

REGISTERED DIMENSIONS.

FEET.

Length 400.5Framing Depth "d." at middle of length. See Sec. 3 (1d) 24.25Breadth 54.0Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.16Depth 25.95Draught Moulded 24' 8"Residence CardiffPort of Registry London

If surveyed while building, afloat, & 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	<u>30</u>	✓	Bracket Floors, Frame	<u>B.A. 6 3½ .36</u>	✓
" " from ⅓ length to Collision bulkhead.....	<u>27</u>	✓	" " Reversed Frame	<u>B.A. 5½ 3 .36</u>	✓
" " in peaks.....	<u>24</u>	✓	" " Vertical Struts	<u>10x3½x3½x42</u>	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<u>43"x54</u>	✓
Frame Amidships, Angle <u>E or L</u> <u>N.B.S.</u> <u>12 3½ .56</u>		✓	" " top Angle.....	<u>5 5 .54</u>	✓
" " Extends up to	<u>2nd Deck</u>	✓	" " bottom Angles	<u>6 6 .60</u>	✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness	<u>One .42</u>	✓
" " Extends up to...	✓	✓	Margin Plate depth (excl. of flange) and thickness	<u>39"x53</u>	✓
Depth of Framing Girder	<u>12</u>	✓	" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	<u>6 6 .50</u>	✓
Frames in Uppermost Continuous 'tween Decks, Angle <u>E or L</u> <u>alternate</u>	<u>7 3½ .36</u>	✓	" " Vertical Angle to Tank side Bracket forward ¼ len. from stem	<u>5 5 .54</u>	✓
" " Second 'tween Decks, Angle <u>E or L</u> <u>✓</u>	✓	✓	" " Gussets, spacing and scantling abaft ¼ len. from stem.....	<u>Every 3½x42 or 6x3½x42</u>	✓
" " Third " " " " " " " " " " " "	✓	✓	" " Gussets, spacing and scantling forward ¼ len. from stem.....	<u>Every 6x4x46</u>	✓
Framing in Peaks, Angle <u>E or L</u> <u>7½ 3½ .36</u>		✓	Tank Side Brackets, height above base line at toe of Frame and thickness	<u>68"x48</u>	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>7/8 - 5/16"</u>	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	<u>Yes</u>	✓	Breadth and thickness of Middle Line Strake	<u>70"x50 .17"</u>	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars) <u>FRS: 15x4x4x43/62</u> <u>REV: FRS: 6x3½x38</u> <u>4 STRINGERS 19x40</u>		✓	Thickness of remainder in Holds	<u>43</u>	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<u>Double frames in DB</u> <u>3 strakes of Bottom</u> <u>shell & ribs to coll. bulkhead</u>	✓	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?	<u>Yes</u>	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓	✓	Uppermost Continuous Deck, amidships in Wells, Angle <u>E or L</u> <u>9½ 3½ .46</u>		✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " in way of Bridge, Angle, <u>E or L</u> <u>62 3½ .42</u>		✓
Middle Line Keelson, on Floors, Angles, <u>E or L</u>	✓	✓	Spacing	<u>Every</u>	✓
" " Through Plate or Intercostal Plate...	✓	✓	Second Deck, amidships, Angle <u>E or L</u> <u>11 3½ .50</u>		✓
" " Foundation Plate on Floors	✓	✓	Spacing	<u>7 3 .42</u>	✓
" " Flat Plate Keel Angles	✓	✓	Third Deck, amidships, Angle <u>E or L</u> <u>✓</u>		✓
Side Keelsons, No. each side	✓	✓	Spacing	✓	✓
" " thickness of Intercostal Plate...	✓	✓	Fourth Deck, amidships, Angle <u>E or L</u> <u>✓</u>		✓
" " Angles	✓	✓	Spacing	✓	✓
DOUBLE BOTTOM.			Poop Deck, Angle <u>E or L</u> <u>✓</u>		✓
Solid Floors, thickness and spacing	<u>42. Every 3"</u>	✓	Spacing	✓	✓
" " Are Frame and Reversed Frame joggled?	<u>Yes</u>	✓	Bridge Deck, Angle <u>E or L</u> <u>✓</u>		✓
Bracket Floors, breadth and thickness at middle line	<u>33"x42</u>	✓	Spacing	✓	✓
" " breadth and thickness at margin plate.....	<u>32"x42</u>	✓	Forecastle Deck, Angle <u>E or L</u> <u>✓</u>		✓
			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.....	3	✓	Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	4½" Wide Spaced	✓	Thickness of Plating abreast Deck openings) in way of Wells	44 35	✓
" " " " " "	✓		Thickness of Plating abreast Deck openings) in way of Bridge	✓	
" in Holds " " " " " "	17" x 60 to 10" x 44 Wide Spaced.	✓	Thickness of Plating within line of openings...	33	✓
" " " " " " " "	✓	✓	If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	12 x 3½ x 68 B.G. 16 7 x 3 x 38 B.G. 13.1 alternate	✓	Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	30	✓	If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	66" x 60 x 56	✓	If Plated, state thickness	✓	
" " " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	5 5 56	✓	Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings) in way of Wells	66 x 46	per plans	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings) in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	38	✓	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...	70 x 40	✓	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. <i>no</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	52	178.	66.	66.	✓	Double	1	3 3/8	4	1	4	Snapped	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. } of Strakes	4	58	48	58	✓	Double	7/8	3 1/4	3	7/8	3	Snapped	
BILGE PLATING, No. of } Strakes	1	58	48	48		do.	7/8	3 1/4	3	7/8	3	do	
SIDE PLATING, No. of } Strakes	5	58	46	58+ 46	✓	do	7/8	3 1/4	3	7/8	3	do	
UPPER DECK, Sheer- } strake in Wells	50	66	48	46	✓	do	7/8	3 1/4	4	7/8	3 1/2	do	
UPPER DECK, Sheer- } strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer- } strake in Wells	50	62	48	46	✓	Double	7/8	3 1/4	4	7/8	3 1/2	Snapped	
STRAKE BELOW Sheer- } strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FOREC'TLE SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	

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).....											
,, Deck next below.....											
As per Rule.....											
				STIFFENERS.							
				Plating Thickness.							
				VERTICAL.		HORIZONTAL.					
				Scantlings. Spacing.		Scantlings. Spacing.					
MIDSHIP BULKH'D, Upper tween decks											
"	"	Second	"								
"	"	Third	"								
"	"	Holds	.....	48-26	12x3in 52	30x33					
COLLISION											
"	"	(in Hold)	.....	56-28	9x3in 42	24					
AFTER PEAK											
"	"		.....	36-20	7x3in 44	24					

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Messrs Pease & Partners,
Consett Iron Co., South Durham, Cargo Fleet Iron Co. & Co. (Open Search process)

Has the Steel been tested as required by the Rules? Yes.

EQUIPMENT No. 36,181.										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.			
31,674.	1st Bower ...	60	3	7.	✓			48	17	2	0		Byer's Improved.	✓	L.P.H.S. 30.11.28. G.H.B.
31,676.	2nd " ...	60	3	7.	✓			48	17	2	0			✓	L.P.H.S. 30.11.28. G.H.B.
31,675.	3rd " ...	60	3	0.	✓			48	15	0	0			✓	L.P.H.S. 30.11.28. G.H.B.
	Collective weight.	182	1	14.								182-0-0		✓	L.P.H.S. 30.11.28. G.H.B.
43,995.	Stream	17	2	21	4	2	6	18	14	1	14	17-2-0.	Ordinary	✓	L.P.H.C.H. 23.11.28. L.C.F.

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.		Tons.	Fathoms.	Ins.
42,140	270	2 1/4	12 1/2	9 1/2	692-2-14	682-1-0.	270	2 1/4	Stud-Sink	✓		L.P.H.C.H. 23.11.28. L.C.F.	TOWLINE...	120	5	59	120	5.	
15,988	30 fms. 3 shackles		12 1/2	9 1/2	2-1-21		30	2 1/4				L.P.H.S. 23.10.28. G.B.	HAWSERS & WARPS	4-120	3 1/4	22	2-90	2 1/4.	
Iron Stream Cable Steel Wire	90	4 3/4	47				90	4 3/4						"				2-90	2 1/2.

Steering Gear, Steam *Telemotor. John Syme.* Steering Gear, Hand *No. Aux. 2 blocks & tackles.*
Boats *4* Steering Chains, Size and Test *None.* Windlass *Clark Chapman.*
Ceiling in Holds, thickness and material *Under Hatches only 2 1/2".* Cargo Battens, thickness, material and spacing *7"x2" W.P. Space 9" in hold. Not fitted in tween decks.*
Cargo Hatchways.—(Upper Deck) *Steel plates and angles 36" high* Thickness of Hatches *3".*
Size of No. 1 Hatchway (Forward) *31'6" x 25'0"* No. 2 *35'0" x 25'0"* No. 3 *38'0" x 25'0"* No. 4 *35'0" x 25'0"* No. 5 *35'0" x 25'0"* No. 6 *10'0" x 7'6"*
Number of Shifting Beams and/or Fore and Afters *No. 1, 6; No. 2, 7; No. 3, 7; No. 4, 7; No. 5, 7; No. 6, 1.*

Builder's Signature *For Bartram & Sons Ltd.*
R.M. Bartram. Director

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *No* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been constructed in accordance with the approved plans, the Society's Rules and the Secretary's letters. The materials and workmanship are good.

The freeboard has been verified, and the marks cut in on the vessel's sides.

The double bottom tanks, peak tanks, deck & waterways, bulkheads and tunnel have been tested as required by the Society's Rules, and found satisfactory.

The windlass, steering gear, hand pumps, ash shoot and W.Y. Doors have been tested & found satisfactory.

The following approved plans are forwarded:—Midship Section, Profile & Decks, Painting Arrangements, Bulkheads, Pillars & Girders, Amended after Pillars & Girders, Amended decks, Alteration to tank side lugs, Piping Arrangement & plans. One forging certificate is enclosed.

Vessel examined in dry dock at South Bank, Middlesbrough.

Please return approved plans for sister ship building.

The amount of Entry Fee £ *9:..* Fees applied for, *6 MAR 1929*
Special Survey Fee.... £ *327: 4: 6* Received by me, *15.4.29*
Freeboard
Travelling Expenses, if any £ *10: 1: 8*

I am of opinion the Vessel should be Classed *+100A1* with freeboard.

State whether the Vessel has been built under Special Survey *yes.*

Signature *Colin Bartlett.*
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND.* Date of issue *16/4/29*

Committee's Minute *FRI. 5 APR 1929*

Character assigned ** 100 A1*
with freeboard

thurs 3.29

Lloyds ascp

Euphras

July



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Lloyd's Register Foundation

257-0081(2/2)

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.)

PILLARS,

"

"

"

"

Centre
Stiffen

Plating

STRINGER
Upper
String

"

"

Thick
in

Thick
in

Thick

If Sh

Second
String

STR

FLAT PLAT

"

BOTTOM P
of Strak

BILGE PL
Strakes

SIDE PL
Strakes

UPPER D
strake

UPPER D
strake

STRAKE I
strake

STRAKE I
strake

POOP SIDE

BRIDGE S

FOREC'TLE

Total No

MIDSH

"

"

"

COLLIS

AFTER

STEEL

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

1st Bower

Including pin
39-3-14.

M.K. 5851. 20.10.28.

2nd "

39-2-21.

M.K. 5827. 20.10.28.

3rd "

40-0-0.

M.K. 5850. 20.10.28.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ 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) 10K(STL) 4 Shelter DE(STL)

Official No. : Signal Letters

particulars of composition

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, <input checked="" type="checkbox"/>	130	342.	Fore peak tank,	20	128.
Double bottom, under Engines and Boilers,	45	188.	After peak tank,	20	150.
Double bottom, if under Engines only,	—	—	Deep tank, aft,		
Double bottom, if under Boilers only,	—	—	Deep tank, forward,		
Double bottom, forward, <u>see letter 173</u>	173.	616	Other tanks, if fitted,		
Total capacity of double bottom		1,146	(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. 5681

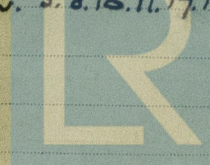
Date 10. 8. 28

Dates of Surveys
held while building

1928. Aug. 9. 24. Sep. 7. 14. 17. 24. 27. Oct. 2. 9. 16. 17. 18. 22. 25. 31. Nov. 5. 7. 8. 13. 15. 29.
22. 26. Dec. 4. 5. 6. 12. 14. 19. 24. 28. 1929. Jan. 3. 8. 10. 11. 17. 18. 21. 24. 26. 31. Feb. 7. 12. 13.
14. 15. 19. Mar. 28

Total No. of Visits

48



Lloyd's Register
Foundation