

STEEL STEAMER or MOTORSHIP.

Received at London Office 14 AUG 1929

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

13-8-29.

Port of

NEWCASTLE ON TYNE

No.

84584.

Survey held at

Hebburn-on-Tyne

Date First Survey

January 4th

Last Survey

August 9th

1929.

On the

(State if Machinery Fitted Aft and if Single, Twin or Triple Screw)

Single Sc. Steamer "LANGLEETARN"

State Type

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

Complete superstructure with tonnage openings

State Type of Erections

TONNAGE under Tonnage Deck

4594.92

CLASS *F 100 A1*

State if with freeboard as condition of Class

with

Built at

Hebburn-on-Tyne

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 415.0

Breadth (greatest moulded)

B 55.5

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

D 37.0

1st Longitudinal Number (L x D)

= 15044

2nd Numeral L x (B + D)

= 38076

Framing Depth "d" at middle of length. See Sec. 3 (1d)

24.33

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.21

Do. Long Bridge to top of keel

Draught Moulded bottom of keel 24'-11 3/8"

Launched

5th July 1929

Yard No.

992

Builders

Palmers S.B. & C. Ltd.

Owners

Medomsley S.S. Co Ltd

Managers

F. Carrick & Co Ltd

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

Residence

Newcastle

Port of Registry

Newcastle

If surveyed while building, afloat, or in dry dock

Building, afloat and in dry dock

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 1/2	/	Bracket Floors, Frame	B.A. 10 3 1/2 '40	
" " from 1/4 length to Collision bulkhead	27	/	" " Reversed Frame	9 3 1/2 '50	
" " in peaks	24	/	" " Vertical Struts	9 3 1/2 '50	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	49 1/2 '52	
Frame Amidships, Angle, [or]	12 x 4 x 49/60	/	" " top Angles	2 3 1/2 3 1/2 '54	
" " Extends up to	2nd deck	/	" " bottom Angles	2 4 1/2 4 1/2 '60	
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	one '40	
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	49 '54	
Depth of Framing Girder	12"		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	5 3 1/2 '46	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	6 3 1/2 '34	/	" " Horizontal Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 6 '46	
" " Second 'tween Decks, Angle, [or]	-		" " Gussets, spacing and scantling abaft 1/4 len. from stem	continuous plate gusset	
" " Third " " " "	-		" " Gussets, spacing and scantling forward 1/4 len. from stem	6'-6" x '49	
Framing in Peaks, Angle or [BA	7 1/2 3 1/2 '37	/	Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" 7 x 6 1/2 dia.	/	INNER BOTTOM PLATING.		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	52	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	4 web frames & 3 side stringers	/	Thickness of remainder in Holds	44 6 '40	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	3 set takes midship thickness additional intercostals double riveted frame bottoms	/	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	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	-		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	10 3 1/2 '40	
Height of Brackets at side above base line at toe of frame	-		" " in way of Bridge, Angle, [or]	-	
Middle Line Keelson, on Floors, Angles, [or]	-		Spacing	every frame	
" " Through Plate or Intercostal Plate	-		Second Deck, amidships, Angle, [or]	11 3 1/2 '56	
" " Foundation Plate on Floors	-		Spacing	every frame	
" " Flat Plate Keel Angles	-		Third Deck, amidships, Angle, [or]	-	
Side Keelsons, No. each side	-		Spacing	-	
" " thickness of Intercostal Plate	-		Fourth Deck, amidships, Angle, [or]	-	
" " Angles	-		Spacing	-	
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	-	
Solid Floors, thickness and spacing	40 every third frame	/	Spacing	-	
" " Are Frame and Reversed Frame joggled?	yes	/	Bridge Deck, Angle, [or]	-	
Bracket Floors, breadth and thickness at middle line	3'-6" x '40	/	Spacing	-	
" " breadth and thickness at margin plate	3'-3" x '40	/	Forecastle Deck, Angle, [or]	-	
			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.....	one		Stringer Plate, breadth and thickness in way of Bridge	—	
„ in 'tween Decks, Size and Spacing.....	3' alternate frames		Thickness of Plating abreast Deck openings in way of Wells	36	
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge		
„ in Holds „ „	C.L. Bkd		Thickness of Plating within line of openings...	34	
„ „ „ „ „			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	BA. 11 3½ 52	varied with height	Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	32		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	60 x 52		If Plated, state thickness		
„ „ „ „ in way of Bridge			Poop Deck.		
„ Angle in Wells	6 6 62		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells	52		Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	40		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...	72 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.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.		No. OF ROWS OF RIVETS.	RIVETS.		
	Inches.	Inches.	Inches.	Inches.					Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL	52	78	68	68		double	1" 4"	4	1"	4"	lapped
„ DBLG. (if any)											
BOTTOM PLATING, No. of Strakes		60	32 60 12 50	50		"	7/8 3½	3	7/8	3½	"
BILGE PLATING, No. of Strakes		60	50	50		"	" "	3	7/8	3½	"
SIDE PLATING, No. of Strakes		60	46	46		"	" "	3	7/8	3½	3½ see letter
UPPER DECK, Sheer-strake in Wells.....	51	68	46	46				4	7/8	3½	"
UPPER DECK, Sheer-strake in Bridge ...											
STRAKE BELOW Sheer-strake in Wells.....	59	64	46	46		"	" "	4	7/8	3½	"
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING			✓								
BRIDGE SIDE PLATING ...			✓								
FORECASTLE SIDE PLATING			✓								

WATERTIGHT BULKHEADS.

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

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
„ „ Second „					
„ „ Third „		BA.			
„ „ Holds		39/26 11x3½x55	30"		
COLLISION „ (in Hold)		54/30 11x3½x50	24	semi box beam + chain locker	
AFTER PEAK „ „		54/36 8x3x52		semi box beam + flat	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				Flat plate
STEM	Rolled	10x2½	Lanarkshire Steel Co	
STERN FRAME {	Propeller Post	Forged 10¾x8	Darlington	
	Rudder „	ingot steel 9x8	Forge Co	
RUDDER—A x D.....		469		
Speed of Vessel.....		10 knots		
RUDDER mainpiece at head ...	Forged	9¾	Darlington Forge	
	ingot steel	7¾		
„ „ heel ...				
„ how constructed		arms shank + keyed		
„ double or single plate	single	1'07		
„ 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)
	Dorman Long, S. Durham, Consett, Bolckow Vaughan, Steel Co of Scotland, Cargo Fleet, Bessemer Partners. Open hearth
	Has the Steel been tested as required by the Rules? yes

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EQUIPMENT No.				LETTER <i>a+</i>				ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
32232	1st Bower	Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	qrs.	lbs.	Old 13/7/29 Butler
32230	2nd "	68	0	0				52	12	2	" 12/7/29 "
32183	3rd "	59	0	7				47	16	2	" 19/6/29 "
	Collective weight.	195	2	0							
17966	Stream	19	0	7	4	3	7	19 7/8			Off 12/6/29 Jones

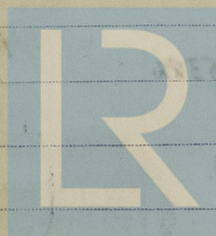
CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.		
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.	
33228	270	2 5/16	96 1/2	134 3/4	724-1.7	720 3/4		270	2 3/16	stud	Kendrick Mide	Off, 29/5/29 Jones	TOWLINE	120	5 1/4	75.3	120	5 1/4	
													HAWSERS & WARPS	2-90	2 3/4	15.5	2-90	2 3/4	
														2-90	2 1/2	12.5	2-90	2 1/2	
Iron Stream Chain or Steel Wire	90	5"		73				90	5"										

Steering Gear, Steam	John Wigham & Sons			Steering Gear, Hand	Tackles to winch																
Boats	2 @ 27', 1 @ 18', 1 @ 15'			Steering Chains, Size and Test	1 $\frac{7}{16}$ " ^{T C 8} 24-15-0 test			Windlass	Clarke Chapman												
Ceiling in Holds, thickness and material	under hatches 2 $\frac{1}{2}$ "			Cargo Battens, thickness, material and spacing	6"x2" - 6" spacing cargo battens fitted in upper tween decks																
Cargo Hatchways.—(Upper Deck)	Steel coamings			Thickness of Hatches	3"																
Size of No. 1 Hatchway (Forward)	31'-6"x19'-0"			No. 2	34'-1 $\frac{1}{2}$ "x19'			No. 3	34'-1 $\frac{1}{2}$ "x19'			No. 4	34'-1 $\frac{1}{2}$ "x19'			No. 5	31'-6"x19'			No. 6	
Number of Shifting Beams and/or Fore and Afters	6 in Nos 1, 2, 3, 4 & 5			Palmer's Shipbuilding & Iron Co., Ltd																	
				Builder's Signature	Ab Jenkins																
				Shipyard Manager																	

GENERAL DECLARATION																					
This vessel has been built in accordance with the approved plans, the Society's Rules & the Committee's instructions. The materials and workmanship are good and to my satisfaction. All ballast tanks including peaks have been tested by filling with water to rule head. Weather decks, tunnel, and W.T. Bulkheads have been hose tested. The assigned freeboards have been marked on vessel's sides, verified and cut in.																					
Approved plans are forwarded herewith. Print of midship section as built was sent with report on sister vessel, S.S. LANGLEECRAG Newcastle report N ^o 84508.																					

The amount of Entry Fee	£ 8 : 0 : 0	Fees applied for, <u>18 AUG 1929</u> Received by me, <u>29.8.1929</u> <i>asm</i> <i>bb</i>	I am of opinion the Vessel should be Classed <u>+100 A.1.</u> <i>with freeboard</i>
Special Survey Fee....	£ 320 : 8 : 0		
<i>Fid</i> Travelling Expenses, if any £	9 : 3 : 4		
State whether the Vessel has been built under Special Survey <u>yes</u>		Signature <u>Ed Brown Jr Cooper</u> Surveyor to Lloyd's Register of Shipping.	
Certificate to be sent to <u>Newcastle</u>		Date of issue <u>30/8/29</u>	

Committee's Minute	FRI. 16 AUG 1929					
Character assigned	<i>- 100A1 with freeboard</i>					
	<i>Lloyds ascp</i>					
	<i>Wm Nix</i>					
	<i>Thms 8.29</i>					
	<i>JD CL</i>					



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007542-002601-0143 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.)

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

1st Bower 40-1-21; with pin 44-1-14, (K.H) Dusseldorf 6538, 28/6/29
2nd " 39-1-14; " " 43-1-6 (K.H) " " 6537 " "
3rd " 35-0-27; " " 38-2-14 (K.H) " " 6467 28-5-29

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) 2 dks (stl)

Official No. 161532 ; Signal Letters Is bottom of Vessel coated with cement yes if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	136'5	487		Fore peak tank,		117	
Double bottom, under Engines and Boilers,				After peak tank,		194	
Double bottom, if under Engines only, (Feedwater)	23'6	130SW		Deep tank, aft,			
Double bottom, if under Boilers only,	21'0	116		Deep tank, forward,			
Double bottom, forward,	181'5	781		Other tanks, if fitted,			
	Total capacity of double bottom	1514		(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. 5322.

Date 14-3-29.

Dates of Surveys held while building

1929. Jan. 7. 9. 11. 14. 22. 31. Feb. 19. 25. Mar. 15. 18. 25. Apr. 3. 5. 8. 11. 13. 17. 19. 25. 26.
May. 1. 24. 29. June. 7. 10. 11. 12. 13. 14. 17. 18. 19. 20. 21. July. 3. 5. 24. 30. Aug. 2. 6. 9.

Total No. of Visits 41.