

## STEEL STEAMER or MOTORSHIP.

Received at London Office 23 OCT 1929

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report 18th October, 1929. Port of GREENOCK No. 19110.  
Survey held at PORT GLASGOW Date First Survey 12th December 1928 Last Survey 18th October 1929.  
On the (State if Machinery fitted Aft and of Single, Twin or Triple Screw) SINGLE SCREW KNIGHT OF ST MICHAEL

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections POOP, BRIDGE &amp; FORECASTLE

TONNAGE under 3559.36 CLASS 100A1 State if with freeboard as condition of Class No Built at PORT-GLASGOW.

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 351.33 Launched 26th August 1929 Yard No. 828

Total 3559.36 Breadth (greatest moulded) B 50.25 Builders LITHGONS LIMITED.

Gross Tonnage 3806.78 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 27.25 Owners THE NEWPORT PROVENCE LINE LTD.

Register Tonnage 2845.06 1st Longitudinal Number (L x D) = 9573.74 Managers PARDOE THOMAS &amp; CO LTD

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

Residence NEWPORT. MON.

## REGISTERED DIMENSIONS.

Length 352.5 Feet. Framing Depth "d," at middle of length. See Sec. 3 (1d) 12.88 Port of Registry NEWPORT. MON.  
Breadth 50.5 Do. Long Bridge to top of keel 10.11 If surveyed while building, afloat, or in dry dock  
Depth 25.0 Draught Moulded 22' 4 1/2" BUILDING & Afloat.

## 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	30"		Bracket Floors, Frame	ANGLE	6 3 1/2 36
" " from 3/4 length to Collision bulkhead	27"		" " Reversed Frame	ANGLE	5 1/2 3 36
" " in peaks	24"		" " Vertical Struts	2 CHANNELS	5 1/2 3 36
SIDE FRAMING.			Centre Girder, depth and thickness amidships	40	49 39 1/2
Frame Amidships, Angle, E or C	N.B.S. 9 3 1/2 44 AFT 46 FORW		" " top Angles	3 3	47
" " Extends up to	2ND DECK.		" " bottom Angles	4 4	53
" " IN E & B SPACE			Side Girders, No. each side and thickness	1 2	36
Reversed Frame Amidships, Angle	R.A. 12 3 1/2 50		Margin Plate depth (excl. of flange) and thickness	38	47
" " Extends up to	UPPER DECK.		" " Vertical Angle to Tank side	5 5	43
Depth of Framing Girder			" " Bracket abait 1/2 len. from stem to boiler room	6 6	43
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	N.B.S. 7 3 1/2 34 AFT		" " Vertical Angle to Tank side	3 1/2 3 1/2	43
" " Second 'tween Decks, Angle, E or C	8 3 1/2 46 FORW		" " Bracket forward 1/2 len. from stem to boiler room	6 6	43
" " AT DEEP FRAMING.	N.B.S. 8 3 1/2 42		" " Gussets, spacing and scantling abait 1/2 len. from stem	No GUSSETS	
" " Third " " "	8 3 1/2 42		" " Gussets, spacing and scantling forward 1/2 len. from stem	No GUSSETS	
Framing in Peaks, Angle or C	N.B.S. 7 3 1/2 36		Tank Side Brackets, height above base line at toe of Frame and thickness	60	43
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" 2 5 1/4		INNER BOTTOM PLATING.		
State if Frame Joggled	YES.		Breadth and thickness of Middle Line Strake	66	47
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	DEEP FRAME SYSTEM. FRAMES 10 x 3 1/2 x 50 B.A. WITH 2 SIDE STRINGERS BELOW 2ND DECK AS APPR.		Thickness of remainder in Holds		42
STRENGTHENING OF BOTTOM FORWARD. State Particulars	DOUBLE FRAMES TO FLOORS FORWARD OF 36" LENGTH WITH ADDITIONAL INTER GIRDERS AS APPROVED.		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?	TANK TOPES 48 55	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	N.B.S. 9 3 1/2 42	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or C	N.B.S. 9 3 1/2 60	
Middle Line Keelson, on Floors, Angles, E or C			Spacing	EVERY FRAME.	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or C	N.B.S. 10 3 1/2 44 12 3 1/2 49	AT 12' 2" TWDK AT 8' 6" TWDK
" " Foundation Plate on Floors			Spacing	EVERY FRAME.	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or C		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or C		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or C	N.B.S. 8 3 52	
Solid Floors, thickness and spacing	39 EVERY 3RD		Spacing	ALT FRAMES	
" " Are Frame and Reversed Frame joggled?	YES.		Bridge Deck, Angle, E or C	N.B.S. 8 3 44	
Bracket Floors, breadth and thickness at middle line	30 39		Spacing	EVERY FRAME	
" " breadth and thickness at margin plate	30 39		Forecastle Deck, Angle, E or C	N.B.S. 9 3 1/2 56	
			Spacing	ALT FRAMES	



	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	ONE ROW.		Stringer Plate, breadth and thickness in way of Bridge .....	66	34 ✓
„ in 'tween Decks, Size and Spacing.....	CENTRE PILLARS &		Thickness of Plating abreast Deck openings in way of Wells .....	30	✓
„ „ „ „ „	HATCH-SIDE GIRDERS		Thickness of Plating abreast Deck openings in way of Bridge .....	30	✓
„ in Holds „ „	IN HOLDS & IN DECKS AS		Thickness of Plating within line of openings...	30	✓
„ „ „ „ „	PER APP <sup>d</sup> PLAN. ✓		If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<del>Third Deck.</del>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	✓		If Plated, state thickness.....		
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	60	79 ✓	If Plated, state thickness .....		
„ „ „ „ in way of Bridge	60	36 ✓	<del>Stringer Plate, breadth and thickness.....</del>		
„ Angle in Wells .....	6 6	79 ✓	<b>Poop Deck.</b>		
Thickness of Plating abreast Deck openings in way of Wells .....	FORM <sup>d</sup> AFT	36 ✓	Stringer Plate, breadth and thickness .....	33	34 ✓
Thickness of Plating abreast Deck openings in way of Bridge .....		32 ✓	Plating, Sheathing, material and thickness .....	34	✓
Thickness of Plating within line of openings...		40 ✓	<b>Bridge Deck.</b>		
If Sheathed, material and thickness .....	✓		Stringer Plate, breadth and thickness.....	58½	40 ✓
<b>Second Deck.</b>			Plating, Sheathing, material and thickness .....	40	✓
Stringer Plate, breadth and thickness in Wells...	66	34 ✓	<b>Forecastle Deck.</b>		
			Stringer Plate, breadth and thickness.....	32½	34 ✓
			Plating, Sheathing, material and thickness .....	30 & 34	✓

SCANTLINGS.						RIVETING.						
AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>ORDINARY.</i>			BUTTS.				
STRAKES.					SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
AMIDSHIPS.		FORWARD.				Diam.			Spacing.			
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 .....	47½	70	63	63	✓	DOUBLE	7/8	3½	4R-3R.	7/8	3½	LAPPED ✓
" <del>DECK (if any)</del>												
BOTTOM PLATING, No. of Strakes .... 4.....		59	44	44	✓	"	"	"	3R	"	3½	✓
BILGE PLATING, No. of Strakes ..... 1.....		59	44	44	✓	"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes ..... 2.....		59	42	42	✓	"	"	"	"	"	"	✓
UPPER DECK, Sheer-strake in Wells.....	49½	80	42	42	✓	"	1"	3¾	4R-3R	1"	4	✓
UPPER DECK, Sheer-strake in Bridge ...	69	59			✓	"	7/8	3½	3R	7/8	3½	✓
STRAKE BELOW Sheer-strake in Wells.....	66	68	42	42	✓	"	"	"	4R-3R	"	3½	"
STRAKE BELOW Sheer-strake in Bridge ...		59			✓	"	"	"	3R	"	3½	"
POOP SIDE PLATING .....				36	✓	SINGLE	¾	3"	1R	¾	2½	"
BRIDGE SIDE PLATING ...		53			✓	DOUBLE	7/8	3½	3R	7/8	3½	"
FORE'C'TLE SIDE PLATING				40	✓	SINGLE	¾	3"	1R	¾	2½	✓

<b>Total No. of W.T. BULKHEADS in Vessel—</b> <span style="float: right;">6</span>		Casting or Forging.		Scantlings.		Maker's Name.		approved plans to be noted.	
Extending to Upper Deck (Sec. 3 c) <span style="float: right;">6</span>									
" Deck next below <span style="float: right;">✓</span>									
As per Rule <span style="float: right;">6</span>									
		<b>STIFFENERS.</b>							
		Plating Thickness.	VERTICAL.		HORIZONTAL.				
			Scantlings, Spacing.		Scantlings, Spacing.				
<b>MIDSHIP BULK'HD.</b> Upper tween decks		26	4x4.	5x8x3/4	30	✓	✓		
" " Second "									
" " Third "									
" " Holds .....		26	8x8 7 1/2 x 8 1/2	13x35x1/2	30	✓	25" DECK.		
<b>COLLISION</b> (in Hold) .....		27	8x8 10x35x1/2	14x3	24	✓	15" DECK.		
<b>AFTER PEAK</b> " " .....		28	8x8 9x8x1/4	14x3	24	✓	25" DECK.		
		<b>KEEL, Bar</b> ..... ✓							
		<b>STEM</b> .....							
		<b>STERN FRAME</b> { Propeller Post ..... FORGING 10 1/2 x 6 1/2 CALEDONIAN ✓ { Rudder " ..... 9 1/4 x 6 1/2 FORGE. ✓							
		<b>RUDDER—A x D</b> ..... BALANCED REACTION RUDDER AS PER APP' PLAN.							
		<b>Speed of Vessel</b> ..... 10 K.							
		<b>RUDDER</b> mainpiece at head ... FORGING 10 1/2 HITRONITZER ✓ " " heel ... 7 3/4 BERGMAN EISENH. ✓							
		" " how constructed ..... BUILT FORGING.							
		" double or single plate ..... SINGLE PLATE '85							
		" coupling, vertical or horizontal ..... HORIZONTAL.							
<b>STEEL.</b>		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <b>OPEN HEARTH PROCESS.</b> LANARKSHIRE STEEL CO L <sup>o</sup> ; D COLVILLE & SONS L <sup>o</sup> ; STEEL COMPANY OF SCOTLAND L <sup>o</sup> ; J DUNLOP & CO L <sup>o</sup> ; SCOTTISH IRON & STEEL CO L <sup>o</sup> ; DORMAN LONG & CO L <sup>o</sup> ; APPLEBY IRON CO L <sup>o</sup> ; Has the Steel been tested as required by the Rules? <b>YES.</b>							

EQUIPMENT No. 28516										LETTER <u>W</u>		ANCHORS.			
Number of Certificate.	Anchor.	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.			
32253	1st Bower ...	58	1	7	STOCKLESS			44	8	3	0	52½	BYERS IMPROVED.	✓	SUNDERLAND 19. 7. 29.
32260	2nd " ...	52	0	0	"			43	12	2	0	52½	D <sup>2</sup>	✓	J.H. BUTLER. D <sup>2</sup> 22. 7. 29.
32185	3rd " ...	44	2	21	"			39	1	3	14	44½	D <sup>2</sup>	✓	D <sup>2</sup> 20. 6. 29.
	Collective weight.	150	0	0	✓							149½			
62466	Stream .....	14	0	0	✓	3	2	14	15	12	2	0	14	RODGERS.	R. S. JONES & SONS L <sup>B</sup> Tipton 13. 7. 29. M. A. DRYSDALE.

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.	Status.	Breaking.	Supplied.	Per Rule.	Cwts.	qrs.	lbs.	Cwts.					Fathoms.	Ins.	Length.	Cir.	Tons.	Fathoms.
33441	270	2½	76½	107½	580-1-14			573¾	270	2½	SPD LINK.	R. S. JONES & SONS L <sup>B</sup>	CANNIFF 26. 7. 29.	TOWLINE.	120	4½	39	120	4½	
													L. L. WRIGHT.							
														HAWSERS & WARPS	2490	7	MANILLA	4290	2½	
															2490	3	18	00' 9" ROPE.		
															2490	2½	12½			
Length of Stream Cables or Steel Wire	90	4½	39	✓					90	4½	9.5 N.									

Steering Gear, Steam BY J. LYNN & Co L<sup>B</sup>

Boats 2 LIFE BOATS, 1 GIG & 1 DIMANDY.

Ceiling in Holds, thickness and material 2½" W.P. UNDER HATCHES ONLY.

Cargo Hatchways.—(Upper Deck) STEEL PLATES & ANGLE.

Size of No. 1 Hatchway (Forward) 24' 9" x 18' 0" No. 2 30' 0" x 18' 0" No. 3 30' 0" x 18' 0" No. 4 25' 0" x 18' 0" No. 5 16' 9" x 18' 0" No. 6 15' 0" x 11' 0"

Number of Shifting Beams under Fore and Afters 4 BEAMS IN NO. 1 & 2 HATCHES; 5 BEAMS IN NO. 2 & 3 HATCHES; 2 BEAMS IN BRIDGE & POOP HATCHES.

Steering Gear, Hand BY RELIEVING TACKLE TO POOP MUNCH.

Boats 2 LIFE BOATS, 1 GIG & 1 DIMANDY.

Ceiling in Holds, thickness and material 2½" W.P. UNDER HATCHES ONLY.

Cargo Hatchways.—(Upper Deck) STEEL PLATES & ANGLE.

Size of No. 1 Hatchway (Forward) 24' 9" x 18' 0" No. 2 30' 0" x 18' 0" No. 3 30' 0" x 18' 0" No. 4 25' 0" x 18' 0" No. 5 16' 9" x 18' 0" No. 6 15' 0" x 11' 0"

Number of Shifting Beams under Fore and Afters 4 BEAMS IN NO. 1 & 2 HATCHES; 5 BEAMS IN NO. 2 & 3 HATCHES; 2 BEAMS IN BRIDGE & POOP HATCHES.

Builder's Signature For LITHGOWS LIMITED. R. Campbell

The amount of Entry Fee ..... £ 7 : 0 : 0 ✓ Fees applied for, *asm*  
Special Survey Fee.... £ 265 : 7 : 0 ✓ 18<sup>th</sup> OCTOBER 1929  
*FREEBOARD.*  
*Travelling Expenses, if any* £ 7 : 10 : 0 Received by me, *blb*  
23.10.29

I am of opinion the Vessel should be Classed *100A1*

State whether the Vessel has been built under Special Survey *YES.* Signature *R. Dunsmuir*  
*via Glasgow* Surveyor to Lloyd's Register of Shipping.  
Certificate to be sent to *GREENOCK.* Date of issue *29/10/29.*

Committee's Minute *GLASGOW* *22 OCT 1929* *TAH*  
Character assigned *100A1*  
*10,29.*  
*Lloyd's A.C.P.*  
*+ LMC 10,29*  
*72.*

Copy of this certificate to be sent on or after 14 days to the Registrar of Shipping, Glasgow & Clyde.



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.)

This vessel is a sister to "Knight of St George." See First Entry Rep No 19086

List of Plans.

Endship Section; Profile & Decks; Sternframe; Rudder; W. T. Bulkheads; Quadrant; Strengthening in Double Bottom Forward; Pillars; Hatches; Amended Hatch-Side Beams; girders at 2<sup>nd</sup> Deck; Tunnel; Pumping Arrangements; Endship Section; Profile & Decks (as built); Forging Reports. Sternframe; Rudder; Pillars;

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	WEIGHT HEAD & PIN.	SURV INITS	NR CERTIFICATE	DATE OF TEST.
	1st Bower	34 - 0 - 31	K.H.	6624	28.6.29.
	2nd "	32 - 2 - 21.	K.H.	6545	28.6.29.
	3rd "	28 - 3 - 0	K.H.	6471	28.5.29.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34.25 ft., R.Q.D. ✓ ft., Bridge 107.5 ft., Forecastle 38.08 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. 145656; Signal Letters Is bottom of Vessel coated with cement ✓ if not

particulars of composition PORTLAND CEMENT IN D. BOTTOM UNDER BOILERS & IN PEAKS; ELSEWHERE CEMENT FILLETS;

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	110	280	Fore peak tank,		
Double bottom, under Engines and Boilers,	22.5	85	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only, DRY TANK.	15.0		Deep tank, forward,		
Double bottom, forward,	154.5	484	Other tanks, if fitted,		
	Total capacity of double bottom	849	(If necessary, furnish further information by sketch.)		

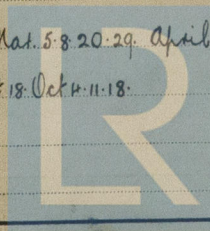
\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 3242

Date 28 December 1928

Dates of Surveys held while building

(1928) Dec. 12. (1929) Jan. 4. 8. 11. 15. 21. 25. 28. 31. Feb. 1. 5. 12. 20. 21. Mar. 5. 8. 20. 29. April 1. 9. 14. 23. 24. 30. May 4. 20. 23. 24. 29. June 3. 4. 11. 18. 21. 24. 29. July 1. 18. 29. Aug. 1. 5. 4. 8. 9. 12. 13. 14. 15. 19. 21. 22. 23. 26. Sept. 18. Oct. 4. 11. 18.



Lloyd's Register Foundation  
Total No. of Visits 56

For S.S. Knight of St George - Feb. 19086