

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office..... 26 JAN 1927.

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 16th March, 1927.Port of GREENOCKNo. 18668Survey held at PORT - GLASGOWDate First Survey 29th June, 1926Last Survey 16th March, 1927On the (State if Machinery fitted Aft andTWIN SCREW STEAMER"RALEIGHSTAR""NAPIERSTAR"State Type (Full Scantling, Complete SuperstructureFULL SCANTLINGState Type of Erections POOP, BRIDGE & FOULTONNAGE under 6768.82CLASS 100A1State if with freeboard YESBuilt at PORT - GLASGOWDo. of space or spaces 2192.55Length from fore part of stem to after part of stern L 474.8Launched 5th August 1926 Yard No. 786Total 8961.37Breadth (greatest moulded) B 67.0Builders LITHGOWS LIMITEDGross Tonnage 10583.45Depth, at middle of length from top of keel to top D 39.75Owners BLUE STAR LINE (1920) LTDRegister Tonnage 6527.241st Longitudinal Number (L x D) = 18873Managers (Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS.

Length 476.0
Breadth 67.3
Depth 28.452nd Numeral L x (B + D) = 50785Framing Depth "d" at middle of length. See 11.94Proportions—Depth to Length—Uppermost continuous deck to top of keel 9.84Do. Long Bridge to top of keel 29'-9 1/4"Draught Moulded 29'-9 1/4"Residence LONDONPort of Registry LONDON

If surveyed while building, afloat, or in dry dock

BUILDING, AFLOAT & 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.
IS, Spacing amidships	32 1/2					7 1/2	3 1/2	4 1/2	
from 1/2 length to Collision bulkhead	27					7	3	4 1/2	
in peaks	24					32		45	
						24		45	
FRAMING.									
Amidships, Angle, E or F	11	3 1/2	50						
IN WAY OF 4th DECK.	11	3 1/2	46						
IN WAY OF 3rd DECK.	4th DECK & 3rd DECK								
Extends up to	4	4	42						
IN WAY OF 3rd DECK									
Reversed Frame Amidships, Angle	4	4	42						
Extends up to	3rd DECK.								
FRAMING IN E & B SPACE AND BUNKER AS APPROVED.									
of Framing Girder									
es in Uppermost Continuous 'tween Decks, Angle, E or F	9 1/2	3 1/2	49	9 x 3 1/2 x 49					
Second 'tween Decks, Angle, E or F	9 1/2	3 1/2	49						
Third " " " "	9 1/2	3 1/2	49						
ing in Peaks, Angle, E or F	9 1/2	3 1/2	49						
eter and Spacing of Rivets through Shell Plating	7/8 dia x 5 1/4"								
if Frame Joggled	Joggled.								
NG ARRANGEMENTS (Sec. 7), state system and particulars	DEEP FRAME SYSTEM WITH SIDE STRINGERS AS APPROVED.								
STRENGTHENING OF BOTTOM FOR. RD. State Particulars	DOUBLE FRAMES TO SHELL AND ADDITIONAL GIRDERS FITTED AS APPROVED.								
BOTTOM.									
s, Depth and thickness at mid-line in Holds									
Height of Brackets at side above base line at toe of frame									
Line Keelson, on Floors, Angles, E or F									
" " Through Plate or Intercoastal Plate									
" " Foundation Plate on Floors									
" " Flat Plate Keel Angles									
Keelsons, No. each side									
" thickness of Intercoastal Plate									
" Angles									
E BOTTOM.									
Floors, thickness and spacing	45 EVERY 3rd FT								
" Are Frame and Reversed Frame joggled?	YES.								
et Floors, breadth and thickness at middle line	54	45							
" breadth and thickness at margin plate	40	45							
Bracket Floors, Frame	BULB ANGLE								
" " Reversed Frame	D								
" " PLATE									
" " Vertical Struts	2 IN NO								
Centre Girder, depth and thickness amidships									
" " top Angles									
" " bottom Angles									
Side Girders, No. each side and thickness									
Margin Plate depth (excl. of flange) and thickness									
" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem									
" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem									
" " Gussets, spacing and scantling abaft 1/2 len. from stem									
" " Gussets, spacing and scantling forward 1/2 len. from stem									
Tank Side Brackets, height above base line at toe of Frame and thickness									
INNER BOTTOM PLATING.									
Breadth and thickness of Middle Line Strake									
Thickness of remainder 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?									
BEAMS.									
Uppermost Continuous Deck, amidships in Wells, Angle, E or F									
" " in way of Bridge, Angle, E or F									
Spacing									
Second Deck, amidships, Angle, E or F									
Spacing									
Third Deck, amidships, Angle, E or F									
Spacing									
Fourth Deck, amidships, Angle, E or F									
Spacing									
Poop Deck, Angle, E or F									
Spacing									
Bridge Deck, Angle, E or F									
Spacing									
Forecastle Deck, Angle, E or F									
Spacing									

WB49-0234(112)

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.....	Two Rows			Stringer Plate, breadth and thickness in way of Bridge	51 3/4	40	
" in 'tween Decks, Size and Spacing.....	Wide Spaced Pillars in Holds			Thickness of Plating abreast Deck openings in way of Wells		42	
" " " " " "	& Tween Decks as per			Thickness of Plating abreast Deck openings in way of Bridge		36	
" in Holds " "	Approved Plans.			OR WITHIN LINE OF OPENINGS AT WELLS If Sheathed, material and thickness AT BRIDGE.		36 32	
" " " " " "							
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....	✓			Stringer Plate, breadth and thickness.....	51	40	
Plating, thickness of	✓			IN WAY OF BRIDGE If Plated, state thickness.....		30 36	
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	60	34	
Stringer Plate, breadth and thickness in Wells	72	32		If Plated, state thickness		30	
" " " " in way of Bridge	72 x 45 x 50			Poop Deck.			
" Angle in Wells	7	7	70	Stringer Plate, breadth and thickness	39	39	
Thickness of Plating abreast Deck openings in way of Wells		60		Plating, Sheathing, material and thickness ...	26 PLATING & 5 x 26 P.P. SHEATHING		
Thickness of Plating abreast Deck openings in way of Bridge		42		Bridge Deck.			
OR WITHIN LINE OF OPENINGS IN WELLS IN BRIDGE		46 36		Stringer Plate, breadth and thickness.....	68	70	68 x 60
If Sheathed, material and thickness				Plating, Sheathing, material and thickness ...		56	46
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	51 3/4	46		Stringer Plate, breadth and thickness.....	45	39	36 1/2 x 39
				Plating, Sheathing, material and thickness ...	36 PLATING & 5 x 26 P.P. SHEATHING		

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>No.</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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	55½	1.00	.84	.84	/	DOUBLE	1⅞	4.06	4R	1⅞	4½	LAPPED.
„ DBLG. (if any)	"40 IN WAY OF DUCT KEEL."				/							
BOTTOM PLATING, No. } of Strakes <i>FOUR</i> ... }	1 J .80		.52	.52		DOUBLE	⅞	3.61	4R - 3R	1"	4"	"
	3 J .72					"		3.61	" "	⅞	3½	"
BILGE PLATING, No. of } Strakes <i>TWO</i> }	.72		.50	.50		"	"	"	" "	"	"	"
SIDE PLATING, No. of } Strakes <i>FIVE</i> }	.72		.60	.50	.50 FORWARD	"	"	"	" "	"	"	"
UPPER DECK, Sheer- } strake in Wells..... }	53½	.93	.60	.50	.50 FORWARD	"	1"	"	5R - 3R	1"	4½	"
UPPER DECK, Sheer- } strake in Bridge ... }	.72					"	⅞	"	4R	⅞	3½	"
STRAKE BELOW Sheer- } strake in Wells..... }	54"	.84	.60	.50	.50 FORWARD	"	1"	"	4R - 3R	1"	4"	"
STRAKE BELOW Sheer- } strake in Bridge ... }	.72					"	⅞	"	4R	⅞	3½	"
POOP SIDE PLATING42		SINGLE	¾"	3.0	1R	¾"	2⅝	"
BRIDGE SIDE PLATING ...	1 J .66					DOUBLE	⅞	3.61	4R	⅞	3½	"
	1 J .76											
FORE'C'TLE SIDE PLATING			.44	/		SINGLE	¾"	3.0	1R	¾"	2⅝	"

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)						EIGHT.			
,, Deck next below						✓			
As per Rule						EIGHT.			
	Plating Thickness.	STIFFENERS.							
		VERTICAL.		HORIZONTAL.					
		Scantlings.	Spacing.	Scantlings.	Spacing.				
MIDSHIP BULKHEAD, Tween decks...	"29 - "26	ANGLE 7 1/8 x 3 x 34	30"	✓	✓				
" "	"32 - "29	B.A. 6 x 3 x 32	30"	✓	✓				
" "	"35 - "32	B.A. 7 x 3 x 34	30"	✓	✓				
" IN. HOLDS	"45 - "35	B.A. 9 x 3 x 48	30"	✓	✓				
" "	" "								
" "	" "								
" "	" "								
" "	" "								
" Holds	" "								
COLLISION	(in Hold)	B.A. 11 x 3 1/2 x 54	24"	1 SHT BOX BEAT.					
AFTER PEAK	" "	B.A. 11 x 3 1/2 x 54	24"	TUNNEL RECESS.					

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	ROLLED STEEL BAR.	11" x 2 7/8"	PORTLAND FORGE.	
RUDDER.				
STERN FRAME { Propeller Post	CASTING.	11 1/2" x 3 1/2"	WITKOW BERAB & EISENH	
{ Rudder				
RUDDER—A x D ... 67 3/4 x 45				
Speed of Vessel 15 KNOTS				
RUDDER mainpiece at head ...	FORGING.	13 1/2"	SKODA WORKS LTR.	
" " heel ...	"	10 1/4"		
" how constructed	BUILT FORGING.			
" double or single plate coupling, vertical or horizontal	SINGLE PLATE 1" 25			1-16
	HORIZONTAL.			
STEEL. OPEN HEARTH PROCESS.				
Manufacturer's name or trade mark of the Steel used in the construction of the				
Vessel (state process of manufacture) N. BEARDMORE & CO LD.; D COLVILLE & SONS' LANARKSHIRE STEEL COY LD.; STEEL COY OF SCOTLAND; J. DUNLOP & COY SKINNINGROVE IRON WORKS; CONSETT IRON COY; BOLCHON VAUGHAN & COY PHOENIX				
Has the Steel been tested as required by the Rules? YES.				

EQUIPMENT No. 53459										LETTER <i>ft</i>	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.		
88363	1st Bower	91	0	0	STOCKLESS			63	12	2	0	HALLS	NETHERTON 18.5.26
88364	2nd "	90	0	0	"			63	5	0	0	D ²	H. GREEN.
88375	3rd "	77	3	21	"			57	12	2	0	D ²	NETHERTON 18.5.26
	Collective weight.	258	3	21									H. GREEN.
88376	Stream	27	0	4	6	3	8	26	9	1	14	ORDINARY.	NETHERTON 21.5.26
													H. GREEN.

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.		Length.	Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts. - grs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
	301	2 7/8			1058 - 0 - 1	1040 ✓	300	2 7/8	STUD LINK	N. HINGLEY & SONS L ^{td}		TOWLINE...	130	6	100	130	6	
FOR PARTICULARS OF CHAIN CABLE SEE PAGE 4.													HAWSERS & WARPS }	4 1/2 100	2 3/4	15 1/2	4 1/2 100	2 3/4
Iron Stream Chain or Steel Wire }	120	5 1/2	88	✓			120	5 1/2	G.S.W.			"						
												"						

Steering Gear, Steam *BY HASTIE & COY. GREENOCK.* Steering Gear, Hand *BY RELIEVING TACKLE LEAD TO AFTER WINCH.*

Boats *6 LIFEBOATS & 1 DINING.* Steering Chains, Size and Test *TELE MOTOR GEAR.* Windlass *STEAM BY CLARKE CHAPMAN & COY.*

Ceiling in Holds, thickness and material *ALL HOLDS INSULATED.* Cargo Battens, thickness, material and spacing *ALL HOLDS & TWEEN DECKS INSULATED.*

Cargo Hatchways.—(Upper Deck) *COAMINGS OF STEEL PLATES & ANGLES.* Thickness of Hatches *3" SOLID COVERS.*

Size of No. 1 Hatchway (Forward) *5' 9" x 13' 0"* No. 2 *2' 4" x 18' 0"* No. 3 *2' 4" x 18' 0"* No. 4 *1' 6" x 13' 0"* No. 5 *1' 6" x 13' 0"* No. 6 *1' 6" x 13' 0"*

Number of Shifting Beams and/or Fore and Afters *3 WEBS IN NOS 1, 4, 5 & 6 HATCHES; 5 WEBS IN NOS 2 & 3 HATCHES.*

Builder's Signature *FOR LITHGOWS LIMITED.*

GENERAL DECLARATION *THIS VESSEL HAS BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS AND IN GENERAL CONFORMITY WITH THE SOCIETY'S RULES FOR THE CLASS CONTEMPLATED.*

THE WORKMANSHIP IS GOOD AND THE MATERIALS USED THROUGHOUT IN THE CONSTRUCTION ARE ALSO GOOD.

ALL THE DOUBLE BOTTOM TANKS, FORE PEAK TANK, AFTER PEAK TANK, & OIL FUEL SETTLING TANKS, HAVE BEEN TESTED IN ACCORDANCE WITH THE RULE REQUIREMENTS AND FOUND SATISFACTORY.

DOUBLE BOTTOM TANKS NOS 1, 2, 3, 4, 7 & 8 HAVE BEEN FITTED FOR OIL FUEL AND THE REQUIREMENTS OF SECT 35 OF THE RULES FULLY COMPLIED WITH.

DECKS, TUNNELS, H.T. BULKHEADS & H.T. DOORS WERE HOSE TESTED AND FOUND SATISFACTORY.

FREEBOARD VERIFIED AND MARKS CUT IN ON VESSEL'S SIDES.

COPY OF LETTER FROM OWNER'S REGARDING LOADING OF BEAMS IN INSULATED SPACES ATTACHED.

amount of Entry Fee £ 12 : 0 : 0 } Fees applied for, *14th March 1927*

Special Survey Fee.... £ 457 : 5 : 9 } Received by me, *19th March 1927*

FREEBOARD

Travelling Expenses, if any £ 15 : 0 : 0

DAMAGE 5 : 5 : 0 → *23-3-27*

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

H.M. via Gls. GREENOCK. Date of issue *31/3/27*

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

DUCT KEEL FORWARD OF MACHINERY SPACE 140 FT

Signature *Robert Dunsen*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 22 MAR 1927*

Character assigned ** 100A1*

with freeboard

3.27

Lloyd's A.C.P.

+ LMC 3.27 FD

Fitted for oil fuel 3.27 J.P. above 150°F

Duct Keel forw? of mach? space 140ft.

J.P.

LR

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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 CHAIN CABLE.

the Plans should be embodied												PARTICULARS OF CHAIN CABLES											
No of CERT.	LENGTH & SIZE SUPPLIED		TEST PER CERT		WEIGHT OF CHAIN CABLE		LENGTH & SIZE TAB 53		DESCRIPTION	MAKERS	WHERE & WHEN TESTED.												
	LENGTH	DIA	STAT	BREAKING	SUPPLIED	PER TAB 53	LENGTH	DIA			NETHERTON.	H. GREEN											
80071	150 Fms.	2 3/8	120 %	169 1/4	52-3-17		300	2 3/8	STUD LINK	N. HINGLEY & SONS LTD.	"	19-5-26	H. GREEN										
80099	15 "	"	"	"	52-2-9				"		"	"	21-5-26	D°									
80100	15 "	"	"	"	52-1-15				"		"	"	21-5-26	D°									
80101	15 "	"	"	"	52-3-12				"		"	"	27-2-25	D°									
76674	15 "	"	"	"	53-2-17				"		"	"	31-8-25	D°									
76849	15 "	"	"	"	53-0-18				"		"	"	31-8-25	D°									
76850	15 "	"	"	"	52-3-1				"		"	"	14-1-26	D°									
76993	15 "	"	"	"	54-1-2				"		"	"	31-8-25	D°									
76846	15 1/2 "	"	"	"	54-2-3				"		"	"	31-8-25	D°									
76844	15 1/2 "	"	"	"	54-1-9				"		"	"	21-5-26	D°									
80098	15 "	"	"	"	1038-0-1	1040-0-0																	
301 FATHOMS																							
James Watt Dock Greenock when																							

Damage on account of striking quay wall in James Watt Dock Greenock when shifting her berth on the 26th January 1925.

How done.

Shell plate J N°16 Port renewed. Top landing of shell plates H K°15 & 16 faired in place. Frames in way faired as necessary. Shell plate K K°6 Starboard faired in place. Insulation in way of above removed for access & afterwards refitted in good condition.

This vessel is a sister to T.S.S. "RODNEYSTAR", Lk Rep N° 18643.

List of Approved Plans.

Midship Section; Profile & Decks; Sternpost & Rudder; Engine Seating; Shaft Brackets; Pillars & Girders; Cruiser Stern; Boss Framing; Tunnel Plan; Bulkheads; Bulkheads K°98 & 103; Bulkheads L°78 & 81; Tunnel Recess; 2nd & 3rd Decks in way of Boiler casing; Hatches; Fore Peak; Duct Keel; Back bars to frames at W.T. Flat aft; Additional Strengthening under pillars; Pillars & Girders in Tunnel Recess; Strengthening forward; Engine & Boiler casings; Deckhouses; Orlop Deck L°5 Hold; Oil Fuel Settling Tanks; Pumping Arrangements; Midship Section (as built); Profile & Decks (as built); Pumping Arrangement (as fitted).

Forging Reports Rudder Frame; Stern Frame; Shaft Brackets; Quadrant; Tiller;

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		WEIGHT.	SURV INIT	N° OF CERTIFICATE	DATE OF TEST.
1st Bower		58-2-10	K.H.	3849	30-3-26
2nd "		57-3-13	K.H.	3848	30-3-26
3rd "		48-1-7	K.H.	3850	30-3-26

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 72.42 ft., R.Q.D. ✓ ft., Bridge 200.42 ft., Forecastle 39.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

3 DK^s (STL) & 4th DK (STL) IN NOS 1, 2, 3, 5 & 6 HOLDS.

Official No. 149781; Signal Letters

particulars of composition PORTLAND CEMENT IN PEAKS AND IN N°6 D.B. TANK. ELSEWHERE CEMENT FILLETS. FLOORS CEMENT WASHED THROUGHOUT.

PARTICULARS OF WATER BALLAST.—

PARTICULARS OF WATER BALLAST.—			*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
Where Fitted.			Feet.	Tons.		Feet.	Tons.
							103
Double bottom, aft,	✓	132.7	413	Fore peak tank,			116
Double bottom, under Engines and Boilers,	✓	78.5	370	After peak tank,			
Double bottom, if under Engines only,				Deep tank, aft,			
Double bottom, if under Boilers only,				Deep tank, forward,			
Double bottom, forward,	✓	193.1	636	Other tanks, if fitted,			
Total capacity of double bottom			1419	(If necessary, furnish further information by sketch.)			
* The wells are not to be included in the lengths of the tanks.							

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

Order for Special Survey No. 3158

Date 20th June, 1925.

Dates of Surveys held while building

(1925) June 24 July 23 Aug. 4. 18. 20. 24. Sept. 2. 3. 4. 10. 14. 14. 23. 28. 29. 30. Oct. 1. 2. 5. 6. 8. 9. 14. 16. 19. 21. 25. 27. 30. Nov. 4. 6. 10. 13. 14. 20. 24. Dec. 1. 2. 4. 8. 18. 23. 29. (1926) Jan. 5. 4. 11. 14. 19. 21. Feb. 1. 8. 10. 23. 24. 25. 31. Apr. 6. 4. 13. 19. 21. 23. 27. 28. 30. May 1. 11. 12. June 1. 4. 11. 18. 21. 23. 29. July 14. 15. 20. 21. 22. 26. 27. 28. 30. Aug. 3. 5. 11. 14. 25. 30. Sept. 4. Oct. 4. 6. 10. 13. 14. 20. 24. Dec. 29. (1927) Jan. 16. 18. 31. Feb. 8. 14. Mar. 9. 16.

Total No. of Visits 115.

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