

Received at London Office 3 JUN 1947

State if Report is sent on the Machinery of the Vessel Yes

Survey held at Glasgow Date First Survey 3.4.46 Last Survey 12th May 1948

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete Superstructure with tonnage openings.* State Type of Erection *Forecast.*

Do. of space or spaces } 181.40
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 530.0

Breadth ()

Launched 16th Sept. 1947 Yard No. 612

Gross Tonnage 11281.02

Owners Federal Steam Nav. Co. Ltd.

Register Tonnage **6657.63** 1st Longitudinal Number (L x D).....= **24910** *Manners*

REGISTERED DIMENSIONS. Framing Depth "d," at middle of length. See } 16.83 ✓
 FEET Sec. 3 (1d)..... } Residence London

Length 541.3 Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.15 Port of Registry London

Breadth	70.25	Do.	Long Bridge to	✓	If surveyed while building, afloat or in dry dock
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Depth	34.75	Draught Moulded	32.57	4
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FRAMES, DOUBLE BOTTOM AND BEAMS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
FRAMES, Spacing amidships.....		34	✓		
" " from 1/2 length amidships to Collision bulkhead.....		27 - 24	✓		
" " in peaks.....		24 21	✓		
SIDE FRAMING.					
Frame Amidships, Angle, [or].....		9x3 1/2 x 3 1/2 x 36	✓		
" " Extends up to.....		main dk.	✓		
Reversed Frame Amidships, Angle.....		3 1/2 3 1/2 44	✓		
" " Extends up to.....		olef x lower dk. all.	✓		
Depth of Framing Girder.....		9	✓		
Frames in Uppermost Continuous 'tween Decks, Angle, [or].....		8 3 1/2 35	✓		
" " Second 'tween Decks, Angle, [or].....		9x3 1/2 x 3 1/2 x 36	✓		
" " Third " " Channel.....		9x3 1/2 x 3 1/2 x 36	✓		
" " from 1/2 len. for'd. to 15% len. from Stem.....		5 1/2 x 3 1/2 x 44	✓		
" " in Peaks, Angle, [or].....		9x3 1/2 x 3 1/2 x 36	✓		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships.....		1 @ 6	✓		
State if Frame Joggled.....		Yes	✓		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?.....		Yes	✓		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....		Yes	✓		
SINGLE BOTTOM.					
Floors, Depth and thickness at mid-line in Holds.....			✓		
Height of Brackets at side above base line at toe of frame.....			✓		
Middle Line Keelson, on Floors, Angles, [or].....			✓		
" " " Through Plate or Inter-costal Plate.....			✓		
" " " Foundation Plate on Floors.....			✓		
" " " Flat Plate Keel Angles.....			✓		
Side Keelsons, No. each side.....			✓		
" " thickness of Intercoastal Plate.....			✓		
" " Angles.....			✓		
DOUBLE BOTTOM.					
Solid Floors, thickness and spacing.....		48 every ft.	✓		
" " Are Frame and Reversed Frame joggled?.....		frame only	✓		
Bracket Floors, breadth and thickness at middle line.....			✓		
" " breadth and thickness at margin plate.....			✓		
Bracket Floors, Frame.....			✓		
" " Reversed Frame.....			✓		
" " Vertical Struts.....			✓		
Centre Girder, depth and thickness amidships.....		50 1/2 62	✓		
" " top Angles.....		2 x 5 1/8 F.B. 3 1/2 x 3 1/2 x 59	✓		
" " bottom Angles.....		10 x 5 1/8 F.B. 5 x 5 x 62	✓		
Side Girders, No. each side and thickness.....		two @ 45	✓		
Margin Plate depth (excl. of flange) and thickness.....		45 1/2 64	✓		
" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem.....		none. lft welded.	✓		
" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area.....		do.	✓		
" " Gussets, spacing and scantling abaft 1/4 len. from stem.....		continuous 48	✓		
" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area.....		do.	✓		
Tank Side Brackets, height above base line at toe of Frame and thickness.....		leveling tank 50	✓		
INNER BOTTOM PLATING.					
Breadth and thickness of Middle Line Strake.....		63 63	✓		
Thickness of remainder in Holds.....		in way of double 70	✓		
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?.....		53	✓		
BEAMS.					
Uppermost Continuous Deck, amidships, Angle, [or].....		9x3 1/2 x 3 1/2 x 36	✓		
" " in way of Bridge, Angle, [or].....		2 in plan	✓		
" " Spacing.....		every frame	✓		
Second Deck, amidships, Angle, [or].....		9 4 44	✓		
" " Spacing.....		3 1/2 3 1/2 38	✓		
Third Deck, amidships, Angle, [or].....		10 4 48	✓		
" " Spacing.....		3 1/2 3 1/2 44	✓		
Fourth Deck, amidships, Angle, [or].....		9 4 44	✓		
" " Spacing.....		3 1/2 3 1/2 38	✓		
Poop Deck, Angle, [or].....			✓		
" " Spacing.....			✓		
Bridge Deck, Angle, [or].....			✓		
" " Spacing.....			✓		
Forecastle Deck, Angle, [or].....		7x3x3x28	✓		
" " Spacing.....		every frame	✓		

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	2 ✓		Stringer Plate, breadth and thickness in way of Bridge	-	.
" in 'tween Decks, Size and Spacing	widely		Thickness of Plating abreast Deck openings in way of Wells51 ✓	.46 ✓
" " " " " "	Spaced pillars		Thickness of Plating abreast Deck openings in way of Bridge.....	✓	
" in Holds " " "	with girders		Thickness of Plating within line of openings..	.43 ✓	.38 ✓
" " " " " "			If Sheathed, material and thickness.....		
Centre Line Bulkhead. Stiffeners and Spacing	✓		Third Deck. Stringer Plate, breadth and thickness.....	78 ✓	.34 ✓
Plating, thickness of	✓		If Plated, state thickness30 ✓	
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	77 ✓ .94 .99 ✓ clean house	.94 ✓	Fourth Deck. Stringer Plate, breadth and thickness.....	78 ✓	.34 ✓
" " " " in way of Bridge	✓		If Plated, state thickness.....	.30 ✓	
" Angle in Wells	6 6 .87 ✓		Poop Deck. Stringer Plate, breadth and thickness.....	✓	
Thickness of Plating abreast Deck openings } in way of Wells71 ✓ .76 ✓ clean house	.71 ✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings } in way of Bridge.....	✓		Bridge Deck. Stringer Plate, breadth and thickness.....	-	
Thickness of Plating within line of openings...	.48 ✓ .53 ✓ clean house	.48 ✓	Plating, Sheathing, material and thickness ...	-	
If Sheathed, material and thickness.....	-		Forecastle Deck. Stringer Plate, breadth and thickness.....		.46 ✓ .41 ✓
Second Deck. Stringer Plate, breadth and thickness in Wells	78 ✓ .55 ✓ clean house	.50 ✓	Plating, Sheathing, material and thickness...	.43 ✓	.38 ✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>no</i>	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.									
Flat Plate Keel.....	61	.99	.88	.88		Double	1 1/8	4 1/4		welded			
„ Dblg. (if any) ✓		<i>in way of dual keel</i>											
Bottom Plating, No. of Strakes 4 }		.77	.87	.60		"	1	"		"			
Bilge Plating, No. of Strakes 2 }		.77	.60	.58		"	1	"		"			
Side Plating, No. of Strakes 5 }		.74	.56	.56		"	1	"		"			
Upper Deck, Sheer- strake in Wells	78	.84	.60	.56									
Upper Deck, Sheer- strake in Bridge ... ✓													
Strake below Sheer- strake in Wells	78	.80	.56	.56		Double	1	"		"			
Strake below Sheer- strake in Bridge ... ✓													
Poop Side Plating..... ✓													
Bridge Side Plating..... ✓													
Forecastle Side Plating			.48			welded				"			

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—
Extending to ^{Upper}~~Upper~~ Deck (Sec. 3 c) 1 (Coll.) ✓
,, Deck next below 7 ✓
As per Rule 8

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar		Flat plate		✓
STEM <i>Roller Steel</i>		11 x 3		✓
STERN FRAME { Propeller Post		fabricated		
{ Rudder "		stern frame as appd.		✓
Speed of Vessel		17 knots		✓
RUDDER—Type		Balanced		✓
" A x D.		1240		✓
" Diam. of head		17 1/4		✓
" Mainpiece at top pintle		Fabricated		✓
" " heel		rudder		
" " how constructed		as appd.		✓
" double or single plate coupling, vertical or horizontal		double 5/8 x 1"		✓
		horizontal.		✓

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	NO. 132 ✓	.26 ✓	3 1/2 x 3 x 26 ✓			
MIDSHIP	BULKH'D, Upper 'tween decks	.28 ✓	26 on	30 ✓	-	
"	Second	.28 ✓	6 x 3 1/2 x 46 ✓	30 ✓	-	
"		.34 ✓	26 on			
"	Third	.34 ✓	10 x 4 x 66 ✓	30 ✓	-	
"		.45 ✓	26 on			
"	Holds		3 1/2 x 3 1/2 x 62 w. ✓			
COLLISION	(in Hold)	10/90	60-38 8 x 4 x 42 ✓	24 ✓	29 inches ✓	
			26 on			
AFTER PEAK		NO. 9 ✓	52-30 8 x 4 x 50 ✓	24 ✓	tunnel flat.	
			26 on			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth.*
Steel Co. of Scotland, - Colvilles Ltd. - Smith & McLean Ltd. -
Lanarkshire Steel Co. - Skinningrove Iron Co. Ltd. - Dorman Long & Co. Ltd.
Has the Steel been tested as required by the Rules? *yes* ✓

EQUIPMENT No. 64046 ✓											LETTER JT ✓		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.				
51173	1st Bower	109	3	14	—	—	—	71	0	0	0	✓ 109	Stockless	—	LPH-S 21-7-47	
51164	2nd "	109	2	0	—	—	—	71	0	0	0	✓ 109	do.	—	LPH-S 16-7-47	
51189	3rd "	95	0	0	—	—	—	65	7	2	0	✓ 93	do.	—	LPH-S 24-7-47	
	Collective weight	314	1	14	✓							311 ✓				
3880	Stream	32	0	7	✓ 8	2	14	30	6	1	0	✓ 32 1/2 ✓	Steel Stock	S. Taylor & Sons	LPH-N 12 Nov. 47	
CHAIN CABLES																

CHAIN CABLES.

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.	
	Fathoms	Ins.	Tons	qrs.	Cwts.	qrs.	lbs.	Fathoms	Ins.					Fathoms	Ins.	Tons	Fathoms	Ins.
6	330	3 1/2	157.5	20.5	114	4	3-0	330	2 1/2	✓ 157.5	S. Taylor & Sons	LPH-N 16 Oct 47	TOWLINE S.W.	130	6 1/2	112.3	130	6 1/2
													HAWSERS & WARPS S.W.	2 @ 120	3 1/2	25.7	2 @ 120	2 3/4
														4 @ 120	3	18.6	2 @ 120	2 3/4
														4 @ 120	8			
														4 @ 120	9			

Gear, Type (Power or hand) Brown Bros. Elect. Hyd. Alternative Means of Steering Hand. Brown Bros.

Chains (Size and Test) Windlass Clarke Chapman Boats 4

in Holds, thickness and material 2 1/2" W.P. in Nos. 1 & 6 holds Cargo Batts., thickness, material and spacing 6 x 2 W.P.

Hatchways.—(Upper Deck) Other holds insulated Steel plates & angles Thickness of Hatches 3"

Hatchways No. 1 (Fwd.) 20 x 20 No. 2 31-2 x 20 No. 3 39-8 x 20 No. 4 31-2 x 20 No. 5 31-2 x 20 No. 6 19-10 x 16

of Shifting Beams } 3 4 6 4 4 3

Builder's Signature FOR ALEXANDER STEPHEN & SONS LIMITED

A. M. Stephen Director

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 ✓
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
indicated, together with the flash point (where required to be inserted in the Notation).
ship has been built in conformity with the Society's Rules & Regulations
the Secretary's letter. The scantlings & arrangements are in accordance
or equivalent to those shown on the approved plans. The materials and
workmanship are good. Oil fuel, (F.P. above 150°F), is carried in the double
bottom, in tunnel wing tanks, & in oil bunkers at fore-end of machinery space
The tanks, decks, bulkheads, tunnels & w.t. door have been tested in
accordance with the Rules, & the requirements of Sect. 20 of the Rules
have been complied with where applicable. The freeboard has been verified
and the markings cut in on vessel's sides. Windlass and
steering gear tried under working conditions and found satisfactory.

The amount of Entry Fee..... £ : ✓ :

Fees applied for,

(Special notations, where part of class, to be stated.)

Special Survey Fee..... £695:0:0

Received by me,

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

Freeboard
Travelling Expenses, if any..... £20:0:0

State whether the Vessel has been built under Special Survey yes

Certificate to be sent to GLASGOW Date of issue 13/9/48

Signature A. W. Paterson
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 1 JUN 1948

Character assigned -1-100A1 5.48
with freeboard

Lloyd's Assoc.

Note:- Undocked 11.48

-1-100A1 5.48 Oil Reg. 200/120 lb

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.)

List of plans:-

- ✓ Midship Section as built.
- ✓ Midship Section
- ✓ Profile & Decks
- ✓ Fabricated Sternpost
- ✓ Sternpost Casting
- ✓ Lower gudgeon & pintle
- ✓ Fabricated Rudder
- ✓ Afterend framing
- ✓ Fore-end framing
- ✓ Boss frames 11-30.
- ✓ Prop. brackets
- ✓ Pillars & Girders. Fore body.
- ✓ do. Aft body.
- ✓ Bridge & plating & girders
- ✓ Seats for Diesel Generators
- ✓ Side frame modifications at wing brackets & beam knees
- ✓ Prop. connection of main d/b beams at longitudinal bulkheads & hatch coamings in 2-3-4-5 & 6 b/ds.
- ✓ Tank top & double bottom framing fore.
- ✓ Oil fuel bunkers.
- ✓ W.T. bulkheads 8-9-20.
- ✓ W.T. bulkhead 132.
- ✓ W.T. bulkheads 160-190-192.
- ✓ W.T. bulkheads 45-70.
- ✓ Tunnel & oil fuel tanks aft.
- ✓ Hatch plan.
- ✓ Shell doors.
- ✓ Prop. method of connecting centre girders & duct keel to flat plate keel.
- ✓ Pumping Arrangement.
- ✓ Arrgt. of Bilge & Ballast & O.F. Section in tunnel.

Seven castings, forgings & fab. structure certificates.

PARTICULARS OF ELECTRIC WELDING (if employed)

Rudder, Sternframe, D.B. tank top & margin, upper d/b plating butts, 2nd, 3rd & 4th d/bs. Seams & butts & beams to plating, oil fuel bunkers, bulkheads, deep tanks & tunnels, engine seatings, hatch coamings, shell butts. Other items of minor importance only.

SPECIAL NOTATIONS

—Either as part of the vessel's class or for record in the Register Book. With freeboard - cruiser stern - wireless - Lloyd's A & C.P. - E.S.D. - D.F. - RADAR - Gy.C. - Oil Eng. - R.M.C. - Duct Keel fore of machinery space. "pt Elec. welded" "pt Cem"

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

1st Bower	67-3-0	✓	A.E.G.	9536	23 rd May 1947.	✓
2nd	69-0-14	✓	A.E.G.	9275	31 st Jan. 1947.	✓
3rd	61-1-7	✓	J.H.V.	9008	18 th June 1947.	✓

PARTICULARS FOR RECORD in the REGISTER BOOK.

Length of Poop. 59 ft., R.Q.D. ft., Bridge. ft., Forecastle 59 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 181898

Signal Letters

Extreme Breadth over Belting

Over-all Length

560'-8" ✓

No. and Material of Decks

2 d/bs. & Shelter d/b. - 4th d/b. in fore holds.

Parts of Bottom of Vessel coated with cement or approved composition

Cement in Nos. 1 & 2 D.B. tanks, peak tanks, tunnel well & duct keel. ✓

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:

(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	124'-8"	295	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		93 ✓
Double bottom, if under Engines only,	90'-8"	622	Deep tank, aft, Tunnel wing tanks	113'-4"	987 ✓
Double bottom, if under Boilers only, + Coff. 145-146	2'-10"		Deep tank, forward,		
Double bottom, forward,	216'-3"	914	Other tanks, if fitted,		
Total length (if continuous) and Capacity	434'-5"	1831	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6825

Date

3.1.46

Dates of Surveys held while building

1946. Apr. 3. 10. 19. May 1. 8. 14. 21. 24. 30. Jun. 5. 7. 12. 21. 25. 27. Jul. 8. 24. Aug. 6. 20. 23. 29. Sep. 5. 11. 20. Oct. 2. 4. 15. 22. 29. Nov. 5. 13. 21. 31. Dec. 3. 4. 6. 10. 20. 23. 1947. Jan. 8. 16. 22. 27. 28. 29. Feb. 12. 14. 18. 19. 20. 25. Mar. 11. 18. 19. 20. 24. 26. 28. Apr. 1. 3. 4. 9. 16. 18. 25. 29. May 27. Jun. 3. 25. Jul. 1. 2. 4. 30. Aug. 8. 14. 15. 26. 27. 28. Sep. 1. 5. 6. 16. 30. Nov. 6. 26. Dec. 5. 1948. Jan. 14. 20. 28. Feb. 11. 20. 26. Mar. 11. 19. 23. 26. Apr. 1. 5. 12. 16. 19. 20. 22. 24. 26. 29. May 3. 6. 12.

Total No. of Visits

110