

STEEL STEAMER or MOTORSHIP.

Received at London Office 19 AUG 1925

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 8th August 1925

Port of Barrow-in-Furness.

No. 2147

Survey held at Barrow-in-Furness

Date First Survey 31st March 1920

Last Survey 11th August

1925

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

State Type (Full Sailing, Complete Superstructure with or without Tonnage Openings) Shelter Deck without tonnage opening

State Type of Erections *Shelter Deck & Prom*

TONNAGE under Tonnage Deck... 11077.32

CLASS ∇ 100 A1. 1921-2 rules.State if with freeboard as condition of Class *Yes*

Built at Barrow-in-Furness

Do. of space or spaces between Tonnage Dk. and Upper Dk. 3203.60

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 600

Launched July 24th 1925 Yard No. 586

Total

Breadth (greatest moulded) B 73.5

Builders Messrs Vickers Ltd

Gross Tonnage 20277.41

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 45.0

Owners Cunard S. S. Co Ltd

Register Tonnage 12087.65

1st Longitudinal Number (L-B) ∇ (D-8) = 110.5

Managers

2nd Numeral L x (B + D) = 66355

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

REGISTERED DIMENSIONS. FEET.

Length 600.7

Framing Depth "d," at middle of length. See Sec. 3 (1d) FDK 23.75

Residence Liverpool

Breadth EDK 73.8

Proportions—Depth to Length—Uppermost continuous deck to top of keel CDK 11.22

Port of Registry Liverpool

Depth DDK 40.75

Do. Long Bridge to top of keel BDK 9.76

If surveyed while building, afloat, or in dry dock

Draught Moulded 32-0

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.
Spacing amidships	32	✓	Bracket Floors, Frame	✓	
" from 1 length to Collision bulkhead	27	✓	" " Reversed Frame	✓	
" in peaks	24	✓	" " Vertical Struts	✓	
HING.			Centre Girder, depth and thickness amidships	54 x 80	✓
amidships, Angle E or F	10 3/2 44	✓	" " top Angles	3 1/2 3 1/2 64	✓
" Extends up to	EDK	✓	" " bottom Angles	5 5 80	✓
Frame Amidships, Angle L	11 4 56	✓	Side Girders, No. each side and thickness	3 @ 50	✓
" Extends up to	FDK	✓	Margin Plate depth (excl. of flange) and thickness	45 x 64	✓
F Framing Girder	16 1/4	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 68	✓
in Uppermost Continuous 'tween Decks, Angle, E or F	7 3 1/2 50	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 6 62	✓
Second 'tween Decks, Angle, E or F	7 3 1/2 50	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	Continuous x 52	✓
Third " " " "	7 3 1/2 50	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem	" x 44	✓
in Peaks, Angle or F	10 3 1/2 44	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	7 6 x 52	✓
er and Spacing of Rivets through Shell Plating	1" dia @ 6"	✓	INNER BOTTOM PLATING.		
Frame Joggled	Yes (in hold, etc. only)	✓	Breadth and thickness of Middle Line Strake	53 x 64	✓
ARRANGEMENTS (Sec. 7), state system and particulars	42 side-brackets see specification 2 additional 1 1/2 girders 2 additional angles to stiffen 4 as per rules & approved plan	✓	Thickness of remainder in Holds	.52	✓
OPENING OF BOTTOM FOR D. State Particulars		✓	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	✓
BOTTOM.			BEAMS.		
Depth and thickness at mid-line in Holds		✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or F	9 3 1/2 40	✓
Height of Brackets at side above base line at toe of frame		✓	" " in way of Bridge, Angle, E or F	- do -	✓
Line Keelson, on Floors, Angles, E or F		✓	Spacing	32	✓
" " Through Plate or Intercoastal Plate		✓	D Second Deck, amidships, Angle, E or F	9 3 1/2 40	✓
" " Foundation Plate on Floors		✓	Spacing	32	✓
" " Flat Plate Keel Angles		✓	E Third Deck, amidships, Angle, E or F	9 3 1/2 40	✓
Keelsons, No. each side		✓	Spacing	32	✓
" thickness of Intercoastal Plate		✓	F Fourth Deck, amidships, Angle, E or F	9 3 1/2 40	✓
" Angles		✓	Spacing	32	✓
BOTTOM.			Poop Deck, Angle, E or F		✓
Floors, thickness and spacing	52 @ 32	✓	Spacing		✓
" Are Frame and Reversed Frame joggled?	Yes	✓	B Bridge Deck, Angle, E or F	9 3 1/2 40	✓
Floors, breadth and thickness at middle line		✓	Spacing	32	✓
" breadth and thickness at margin plate		✓	Forecastle Deck, Angle, E or F		✓
			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.....	Three		Stringer Plate, breadth and thickness in way of Bridge	54 1/16 x 48	✓
" in 'tween Decks, Size and Spacing.....	4" to 5 1/4"		Thickness of Plating abreast Deck openings in way of Wells .....	.48	✓
" " " " " "	Spaced 4 ft. apart		Thickness of Plating abreast Deck openings in way of Bridge .....	.40	✓
" in Holds " " "	wide spaced		If Sheathed, material and thickness	2" Yacht and 3" P.P. Plating exposed	✓
" " " " " "	see plans		E' Third Deck.		
Centre Line Bulkhead.			Stringer Plate, breadth and thickness.....	56 3/8 x 48	✓
Stiffeners and Spacing.....	L 10 3/2 x 4 1/2 @ 6 1/2'		If Plated, state thickness.....	in B → .30 + 40 in way of wells	✓
Plating, thickness of .....	.30		F Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....	55 x 40	✓
C' Uppermost Continuous Deck.			If Plated, state thickness .....	.30	✓
2 Stringer Plate breadth and thickness in Wells	56 1/16 x 80 64 3/4 x 80	✓	Poop Deck.		
2 " " " " in way of Bridge	56 1/16 x 56 64 3/4 x 56	✓	Stringer Plate, breadth and thickness	✓	✓
" Angle in Wells	7 7 .80	✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	.60	✓	B Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge .....	.48	✓	2 Stringer Plate breadth and thickness.....	55 1/16 x 68 50 1/8 x 68	✓
If Sheathed, material and thickness	2" Yacht 3" P.P. Plating exposed	✓	Plating, Sheathing, material and thickness ...	.56 3" P.P. Plating exposed 2" Yacht	✓
D Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	54 13/16 x 56	✓	Stringer Plate, breadth and thickness.....	✓	✓
			Plating, Sheathing, material and thickness ...	✓	

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c) <i>q lts to shelter the 'D'</i>						
Deck next below <i>1 . . . Made . 'C'</i>						
As per Rule <i>nine.</i>						
STIFFENERS.						
	Plating Thickness.	VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKHEAD, Tween deck D-E	<i>.28</i>	<i>5x3x36</i>	<i>30"</i>			
" " " E-F	<i>.32</i>	<i>5x3x34</i>	<i>30"</i>			
" " " F-G	<i>.34</i>	<i>6x3x46</i>	<i>30"</i>			
" " "						
" " "						
" " "						
" " "						
" " Holds	<i>.48-.38</i>	<i>[12x3/4x64]</i>	<i>30"</i>			
COLLISION (in Hold)	<i>.56-.40</i>	<i>12x3/4x50</i>	<i>24"</i>	<i>25 stringers</i>		
AFTER PEAK " "	<i>.56-.38</i>	<i>[10x3/4x46]</i>	<i>24"</i>	<i>N.T. flat</i>		

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	<i>/</i>	<i>flat plate</i>	<i>keel</i>	
STEM	<i>/</i>	<i>Ribbed steel</i>	<i>12x3/4</i>	<i>Beardmore</i>
STERN FRAME { Propeller Post	<i>/</i>	<i>Cast</i>	<i>various</i>	<i>Vickers Ltd</i>
{ Rudder	<i>/</i>	<i>steel</i>	<i>see plan</i>	
RUDDER-A x D	<i>/</i>	<i>1050</i>		
Speed of Vessel	<i>/</i>	<i>16 knots</i>		
RUDDER mainpiece at head ..	<i>/</i>	<i>forging</i>	<i>16</i>	<i>D. Beardmore & Co Ltd</i>
" " heel ..	<i>/</i>		<i>(11 1/2)</i>	
" how constructed	<i>/</i>	<i>semi-balanced</i>	<i>forged arms & mainpiece</i>	
" double or single plate coupling, vertical	<i>/</i>	<i>1-18</i>		
" horizontal	<i>/</i>		<i>6-4 1/4 bolts</i>	
STEEL.				
Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>Beardmore, Lochalsh, Damny Long, Hemmingson, Carr, Flat, Hull, Laidlaw, Forth, Glasgow, Chemical Steel works, Lusk, Ballantrae, Little, Phoenix, Act. Geo. H. Ferguson.</i>				
Has the Steel been tested as required by the Rules? <i>Yes.</i>				

EQUIPMENT No. 78538										LETTER n t		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.			
87232	1st Bower ...	147	1	14	Stockless			83	10	0	0	14 5 3/8	Jaylor's dreadnought	J. Jaylor & Sons Ltd	Westbury 2 1/2 * Green
87231	2nd „ ...	146	2	14	„			83	3	3	0	14 5 3/8	fringed open leathers	— „ —	„ 2 1/2 n
87230	3rd „ ...	146	1	21	„			83	3	3	0	14 5 3/8	ingot steel	— „ —	„ 2 1/2 n
	Collective weight.	440	1	21								437			
	Stream	None													
															* See Log entry dated 21/19 for T.S.S. Sythia

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.	Stations.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Ins.	Length.		Ins.	Length.	Ins.
76625	316 3/8	3 1/8	153 3/4	2 5/8	1576.0	0.15	1634	330	3 1/8	Stud Link	Wood & Co Ltd	2 1/2 * Green	TOWLINE...	140	7 1/2	128	140	7 1/2
76795	13 3/8	3 1/8	-	2 5/8	69.3	0.11				Link		1 1/2 * Green	HAWSERS & WARPS	4 @ 120	3"	18	3 @ 120	2 3/4
Steel Wire	150	6 1/2		100				150	6 1/2					100 @ 120	8"	Manilla	3 @ 120	8"

Steering Gear, ~~Steam~~ Electro Hydraulic (Brown Bros) ✓

Steering Gear, Hand

Boats 32-30 lifeboats
2-28 motor lifeboats

Steering Chains, Size and Test ✓

Windlass Electro Hydraulic (Vickers Ltd) ✓

Ceiling in Holds, thickness and material 2 1/2" pine in No 3 Hold

Cargo Battens, thickness, material and spacing 6x2 R.P. spaced 9"

Cargo Hatchways. (Upper Deck) 30"x 44" steel coamings.

Thickness of Hatches 3" P.P. gratings.

Size of No. 1 Hatchway (Forward) 15'9" x 14'0" No. 2 16'7" x 14'0" No. 3 13'4" x 14'0" No. 4 13'4" x 14'0" No. 5 13'4" x 14'0" No. 6

Number of Shifting Beams and Fore and Afters 3 shifting beams in each Hatch.

For VICKERS Limited.

Builder's Signature

DIRECTOR.

GENERAL DECLARATION This vessel has been constructed in accordance with the approved plans and instructions, the Secretary's letters, and in other respects in compliance with the Society's 1921-2 rules & regulations. The materials & workmanship are good.

The freeboard assigned by the Society in the Secretary's letter of the 23rd June 1925 has been verified and the marks cut in on the vessel's side. See Barrow report No 2134.

The bulkheads, weather decks, gutterways, tunnel, watertight doors & doors on shell, have been satisfactorily tested.

The double bottom tanks, peak tanks, oil fuel tanks, deep tank, and fresh water tanks at sides and between tunnels have been tested as required by the rules and found satisfactory.

The hand pumps and watertight doors have been tested as required by the rules.

The amount of Entry Fee £ 12: 0: 0
Freeboard 15: 0: 0
Special Survey Fee..... £ 578: 9: 3
Travelling Expenses, if any £ 1: 17: 8

Fees applied for,

Aug 12th 1925

Received by me,

26.8.25

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

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

Signature Kenneth Inglis

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Barrow Office ✓ Date of issue 27/8/25.

Committee's Minute FRI. 21 AUG 1925

Character assigned

100A1
Steel deck with freeboard

Lloyd's a.s.b.O.

Wise B.W.
(also fine damage)

+ L.M.B. 8.25. C.L. 7.D.
Fitted for oil fuel 8.25
F.P. above 150° F.

The Surveyors are requested not to write on or below the Committee's Minute.



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 vessel to the T.S.S. FRANCONIA and of the T.S.S. SCYTHIA. See Barrow
First Entry report No 1892.

The approved plans noted below have been duly amended to agree with the vessel as built and are forwarded in separate parcels. A finished plan of the midship section is also forwarded & a finished profile will be sent when the builders have it completed.

Profile.

Midship section as approved and finished. (2 plans)

Deck plans (2 plans).

Stern frame & rudder (2 plans)

Painting arrangements (2 plans: Strengthening of bottom forward.

Anchor crane (2 plans).

Transverse W.T. Bld: No. W.T. Centre line bulkhead.

Revised arrangement of Pillars & Girders between bulkheads 121 & 151: Pillaring arrangement: New girders required by owners: pillars & girders in Engine Room; alternative type of deck girder in Saloons etc: square pillars in holds.

Scantlings of superstructures: superstructures at aft end: superstructures showing owners requirements: shell plating in way of superstructures:

Oil bunkers (2 plans): additional oil fuel bunkers: oil bunker as built: Modification to oil bunkers: oil fuel in & overflow pipes:

Deep tank: Valves to 8" suction in deep tank: Valves to 3½" suction in deep tank.

Turn in seating: Boss framing: Shaft brackets: shaft tunnel & flat:

Refuse shoots in galley on E deck: Ash & refuse shoots (key profile): ash & refuse shoots on D Deck.

gangway doors: Coal shoots: Triple rivetted seams of shell plating.

Amended riveting of Deck plating & modifications to F Deck stringers: Typical cargo hatches:

Additional stiffening in way of meat carrying spaces: stiffeners in way of Boiler hatch.

Steel Masts.

Electrically welded ventilator trunks.

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

1st Bower.

2nd "

3rd "

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

2 Decks (oil) & shelter deck (oil & stowage) & side deck (oil & stowage) 3rd Deck (oil) in hold except No. 4.

Official No. 147318 : Signal Letters

If bottom of Vessel has been coated Inside Yes.

particulars of composition cement in tanks & coats paint in holds cement in bilges

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Cap. Tons.
Double bottom, aft,	131	320	Fore peak tank,	34	112
Double bottom, under Engines and Boilers,	139	912	After peak tank,	27	80
Double bottom, if under Engines only,			Deep tank, aft, tank between & at sides of tunnels		612
Double bottom, if under Boilers only,			Deep tank, forward,	47	1640
Double bottom, forward,	250	1346	Other tanks, if fitted,		
Total capacity of double bottom,		2578	(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. 586

Date 10.2.1920

Dates of Surveys held while building

1920 - Mar 31. Apr 13. 29. June 3. 7. 14. 21. July 8. 22. 23. Aug 10. 16. 25. Sept 8. 27. Oct 9. 14. 15. 25. 30. Nov 1. 14. 18. 23. 26. 29. Dec 1. 3. 4. 7. 9. 21. 23. 1921 - Jan 16. Feb 16. Mar 1. 6. 12. 19. 22. Apr 12. 17. 23. 27. June 7. Oct 18. 1924 - Apr 7. 12. 14. 15. 20. 26. May 1. 6. 12. 19. 22. 7. 9. 12. 14. 19. June 2. 12. 17. 18. 19. July 1. 3. 7. 8. 10. 22. Aug 6. 12. 13. 18. 19. 21. 29. 1. 5. 6. 9. 10. 11. 12. 15. 25. 26. 29. Oct 1. 9. 14. 15. 16. 20. 22. 23. 24. 27. 28. 29. 30. Nov 3. 5. 6. 12. 14. 17. 18. 19. 21. 24. 25. 26. 27. 28. Dec 1. 2. 3. 4. 5. 8. 9. 10. 11. 12. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 1925 - 1. 18. 30. 31. 26. 31. Apr 2. 7. 8. 17. 21. 22. 24. 25. May 1. 4. 8. 12. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. Aug 4. 5. 6. 10. 11.