

STEEL STEAMER or MOTORSHIP.

Received at London Office 2 OCT 1924

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 17th Oct 1924

Port of Greenock, Belfast.

No. 18307.

Survey held at Greenock

Date First Survey 14th June, 1923.

Last Survey 16th October,

1924.

On the (State if Machinery fitted Aft and (if Single, Twin or Triple Screw) TWIN SCREW.

"RAZMAK"

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

FULL SCANTLING, MODIFIED TO SUIT A DRAFT OF 26' 0" MLD.

State Type of Erections AND FORECASTLE.

TONNAGE under Tonnage Deck...

3387.95

CLASS T 100 A.I.

State if with freeboard as condition of Class ☒ YES.

Built at GREENOCK.

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

2172.01

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

L 499.5

Launched 16th Oct. 1924 Yard No. 659.

Total

7509.96

Breadth (greatest moulded) B 63.0

Builders HARLAND & WOLFF LTD.

Gross Tonnage

10602.32

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

D 37.5

Owners PENINSULAR & ORIENTAL STEAM NAV. CO.

Register Tonnage

4937.07

1st Longitudinal Number (L x D) = 18731

Managers

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

2nd Numeral L x (B + D) = 50199

Residence LONDON.

REGISTERED DIMENSIONS.

FEET.

Length

500.4

Breadth

63.2

Depth

25.05 & 34.05

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

16.33

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

13.32

Port of Registry GREENOCK.

Do. Long Bridge to top of keel

10.86

If surveyed while building, afloat, or in dry dock

Draught Moulded

26' 0"

☒ YES.

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.
acing amidships	30		Bracket Floors, Frame	18 3 38	
from 1/2 length to Collision bulkhead	27		" " Reversed Frame	18 3 38	7 1/2 x 3 x 38
in peaks	24		" " Vertical Struts	18 3 38	
ING.			Centre Girder, depth and thickness amidships	46 3/4	63
idships, Angle, \angle or \angle	9 3 57		" " top Angles	3 1/2 3 1/2 57	
Extends up to	UPPER BRIDGE DECKS ALTERNATELY		" " bottom Angles	5 5 67	
Frame Amidships, Angle	4 3 38		Side Girders, No. each side and thickness	TWO	45
Extends up to	3RD DECK		Margin Plate depth (excl. of flange) and thickness	39	56
Framing Girder	9		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 1/2 3 1/2 48	
Uppermost Continuous 'tween Decks, Angle, \angle or \angle	9 3 57		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3 1/2 3 1/2 48	
Second 'tween Decks, Angle, \angle or \angle	9 3 57		" " Gussets, spacing and scantling abaft 1/4 len. from stem	CONTINUOUS PLATE	
Third " " " "			" " Gussets, spacing and scantling forward 1/4 len. from stem	44	
in Peaks, Angle or \angle	8 3 42		Tank Side Brackets, height above base line at toe of Frame and thickness	6 7 44	
and Spacing of Rivets through Shell Plating	7/8 5 1/4		INNER BOTTOM PLATING.		
Frame Joggled	YES		Breadth and thickness of Middle Line Strake	56 1/2 57	
ARRANGEMENTS (Sec. 7), state system and particulars	WEB FRAME SYSTEM.		Thickness of remainder in Holds	48	
	" FRAMES 28 x 48		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	
FINISHING OF BOTTOM FOR.	FRAMES DOUBLED Y		BEAMS.		
D. State Particulars	AS PER APP PLAN.		Uppermost Continuous Deck, amidships in Wells, Angle, \angle or \angle	7 x 3 1/2 x 3 1/2 50	
OTTOM.			" " in way of Bridge, Angle, \angle or \angle	7 x 3 1/2 x 3 1/2 50	
Depth and thickness at mid-line in Holds			Spacing	ON EVERY FRAME	
Height of Brackets at side above base line at toe of frame			Second Deck, amidships, Angle, \angle or \angle	7 x 3 1/2 x 3 1/2 50	
Line Keelson, on Floors, Angles, \angle or \angle			Spacing	ON EVERY FRAME	
" " Through Plate or Intercoastal Plate			Third Deck, amidships, Angle, \angle or \angle	8 x 3 1/2 x 3 1/2 52	
" " Foundation Plate on Floors			Spacing	ON EVERY FRAME	
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, \angle or \angle		
Keelsons, No. each side			Spacing		
thickness of Intercoastal Plate			Poop Deck, Angle, \angle or \angle	7 x 3 1/2 x 3 1/2 60	
Angles			Spacing	ON EVERY FRAME	
BOTTOM.			Bridge Deck, Angle, \angle or \angle	7 x 3 1/2 x 3 1/2 60	
Floors, thickness and spacing	44 ON EVERY 3RD FR.		Spacing	ON EVERY FRAME	
" Are Frame and Reversed Frame joggled?	YES		Forecastle Deck, Angle, \angle or \angle	8 x 3 x 3 1/2 50	
4 Floors, breadth and thickness at middle line	36 44		Spacing	ON EVERY FRAME	
" INTERMEDIATE	28 44				
" breadth and thickness at margin plate	33 44				

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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	T.W.O.				Stringer Plate, breadth and thickness in way of Bridge	51	✓	40	✓
„ in 'tween Decks, Size and Spacing.....	3 3/8	✓	60	✓	Thickness of Plating abreast Deck openings in way of Wells	✓		42	✓
„ „ „ „ „	3 1/4	✓	60	✓	Thickness of Plating abreast Deck openings in way of Bridge	✓		36	✓
„ in Holds „ „	5 1/2	✓	60	✓	If Sheathed, material and thickness				
„ „ „ „ „					Third Deck.				
Centre Line Bulkhead:					Stringer Plate, breadth and thickness.....	51	✓	40	✓
Stiffeners and Spacing.....					„ „ „ „ IN. WAY OF BRIDGE	51	✓	38	✓
Plating, thickness of					N Plated, state thickness.....	✓		36	✓
					IN. WAY OF „			30	✓
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....				
Stringer Plate, breadth and thickness in Wells	68	✓	87	✓	If Plated, state thickness.....				
„ „ „ „ in way of Bridge	51	✓	46	✓	Poop Deck.				
„ Angle in Wells	6 x 6 x		86	✓	Stringer Plate, breadth and thickness.....				
Thickness of Plating abreast Deck openings in way of Wells	✓		59	✓	Plating, Sheathing, material and thickness				
Thickness of Plating abreast Deck openings in way of Bridge	✓		42	✓	Bridge Deck. AND POOP DECK JOINED.				
If Sheathed, material and thickness	3" TEAK IN WELL ONLY	✓		✓	Stringer Plate, breadth and thickness.....	68	✓	55	✓
Second Deck.					Plating, Sheathing, material and thickness	✓		44	✓
Stringer Plate, breadth and thickness in Wells.....	51	✓	46	✓	SHEATHING.	2 1/2	✓	TEAK	✓
					Forecastle Deck.				
					Stringer Plate, breadth and thickness.....	36	✓	38	✓
					Plating, Sheathing, material and thickness	✓		36	✓
					SHEATHING.	2 1/2	✓	TEAK	✓

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	55.	88.	78.	78.	✓	DOUBLE.	1.	3 $\frac{3}{4}$.	4 R.	1.	4.	STRAPPED	
„ DBLG. (if any)													
BOTTOM PLATING, No. } of Strakes 4..... }		68 ✓	52	52	✓	„	7/8.	3 $\frac{1}{2}$.	4 R to 3 R.	7/8	3 $\frac{1}{2}$.	LAPPED.	
BILGE PLATING, No. of } Strakes 2..... }		68 ✓	52	52	✓	„	„	„	„	„	„	„	
SIDE PLATING, No. of } Strakes 4..... }		66 ✓	50	50.	✓	„	„	„	3 R.	„	3 $\frac{1}{8}$.	„	
UPPER DECK, Sheer- } strake in Wells..... }	66.	88.	✓		✓	„	1	3 $\frac{3}{4}$.	4 R.	1	4	„	
UPPER DECK, Sheer- } strake in Bridge ... }	„	66	50	50.	✓	„	7/8.	3 $\frac{1}{2}$.	3 R.	7/8	3 $\frac{1}{8}$.	„	
STRAKE BELOW Sheer- } strake in Wells..... }	47 $\frac{1}{2}$	82.	✓		✓	„	1	3 $\frac{3}{4}$.	4 R.	1	4	„	
STRAKE BELOW Sheer- } strake in Bridge ... }	„	66	50.	50.	✓	„	7/8.	3 $\frac{1}{2}$.	3 R.	7/8	3 $\frac{1}{8}$.	„	
POOP SIDE PLATING..... } AND } BRIDGE SIDE PLATING.. }		61.		50.	✓	„	7/8.	3 $\frac{1}{2}$.	4 R.	7/8.	3 $\frac{1}{2}$.	„	
FOREC'TLE SIDE PLATING			44			SINGLE.	„	„	2 R.	7/8.	3 $\frac{1}{8}$.	„	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		10.	
Extending to Upper Deck (Sec. 3 c)		10.	
,, Deck next below		✓	
As per Rule		8.	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Tween decks...	27.	ANGLE 5 1/2 x 3 x 3/4	30"	✓	✓
" "	31.	" " "	"	✓	✓
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EQUIPMENT No. 57600.										LETTER gt.		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.				
87148.	1st Bower ...	100	3	26.	STOCK LESS.			67.	12	2	0.	95. 0. 0.		Hall's.	N. HINGELY & SONS.	NETHERTON. 30/9/24. H. GREEN.
87166	2nd " ...	100	3	0	"			67	12	2	0	95. 0. 0.		"	" "	" 14/10/24
87105.	3rd " ...	85	2	14	"			61.	10	0	0.	81. 0. 0.		"	" "	" 1/9/24. L.L. WRIGHT.
	Collective weight.	287	1	12								271. 0. 0.				
87092.	Stream	38	0	16.	"			34	13.	0	14.	35. 0. 0.		"	" "	" 27/8/24. 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.	Statutory.	Break- ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.	
76517.	Fathoms. 165.	Ins. 2 3/4.	Tons. 127 7/10.	Tons. 181.	Cwts. 630.	qrs. 2.	lbs. 19.	Cwts.	Fathoms.	Ins.	STUD.	N. HINGELY & SONS.	NETHERTON.	L. L. WRIGHT.	TOWLINE... HAWSERS & WARPS }	Fathoms. 140.	Ins. 7.	Tons. 113.	Fathoms. 130.	Ins. 7.
76542	165.	"	"	"	629.	3.	5.				"	"	"	"		2-100.	4.	33.	2-100.	2 3/4.
	330.	"			1260.	1.	24.	1200. 0. 0.	330.	2 1/2.						2-100.	3 1/2.	26.	2-100.	2 3/4.
Iron Stream (Chain or Steel Wire)	150.	Cir. 6.		85.					120.	Cir. 6.		BULLIVANT & CO.			"	2-100.	2 3/4.	22.		

Steering Gear, Steam BY BROWN BROS. EDINBURGH.

Steering Gear, Hand Relieving Tackle

Boats 12 Life Boats and 1 Motor Boat steering Chains, Size and Test

Windlass STEAM BY CLARKE CHAPMAN.

Ceiling in Holds, thickness and material 2 1/2" P.P. UNDER HATCHWAYS. Cargo Battens, thickness, material and spacing 3 x 1 1/2" FLAT IRON. HORIZONTAL. 3 x 1 1/2" P.P. VERTICAL. 1 OVER LIMBERS ONLY.

Cargo Hatchways.—(Upper Deck) STEEL PLATES & ANGLES. Thickness of Hatches 2 1/2"

Size of No. 1 Hatchway (Forward) 11' 3" x 10' 0" No. 2 20' 3" x 12' 0" No. 3 10' 0" x 12' 0" No. 4 15' 0" x 12' 0" No. 5 15' 0" x 12' 0" No. 6 10' 0" x 12' 0"

Number of Shifting Beams and Fore and Afters 2 to No. 1, 4, & 5; 3 to No. 2, 1 to No. 3 & 6,

For HARLAND AND WOLFF, LIMITED.

Builder's Signature

Managing Director

GENERAL DECLARATION

This vessel has been built in accordance with the approved plans, instructions & printed rules of this Society. The material and workmanship are of good quality. The freeboard has been verified & the marks cut in on the vessel's side. All the double bottom tanks, peak tanks & oil fuel bunkers have been satisfactorily tested & Dec 35 of the rules complied with. All the bulkheads & weather decks (except Forecastle) have been satisfactorily tested.

A copy of a letter from the Owners sanctioning the use of the revised rules in the construction of the vessel is forwarded with this report.

The amount of Entry Fee £ 12 : 0 : 0

Special Survey Fee.... £ 457 : 10 : 6

Travelling Expenses, if any £ :

% to be rendered from Belfast Office

State whether the Vessel has been built under Special Survey YES.

Certificate to be sent to

Greenock

Date of issue

27/3/25

Fees applied for,

28-1-1925

Received by me,

28-3-25

I am of opinion the Vessel should be Classed T 100 A.1.

WITH FREEBOARD

Signature

J. D. Mares & A. W. W. Rab.

per A. W. W. Rab.

Surveyor to Lloyd's Register of Shipping.

20/3/25

Committee's Minute

GLASGOW 21 OCT 1924

Character assigned

Deferred.

TUES. 10 MAR 1925

100A1 with freeboard

Lloyds 2760 + Lmb 225 F.D. C.L.

Listed for oil fuel 2.25 F.P. above 50.21

Wm Gb.

? 4/4 fee

Lloyd's Register Foundation

003971-003979-0109 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.)

The following plans & reports have been sent to the Belfast Surveyors for their guidance in the completion of the vessel.
Midship Section. Profile. Forward end strengthening. Stern frame & propeller brackets. Rudder plan. Amended rudder plan. After framing. After peak bulkhead. Oil fuel bunkers. Tunnel & fresh water tanks. Tween deck web plating in after hold & tunnel recess. Pumping plan. Houses on bridge deck. Houses on boat deck. Boat deck plan. Fly to houses on bridge deck. & Midship & Profile plans of ship as built. (19 plans).
also reports on Cast steel stern frame & spectacle brackets. Cast steel boss brackets. Cast steel fore foot. Rudder frame. & Steel forged tiller.

To complete survey on the hull the following items still require to be carried out.

- Masts to be stepped on board & rigging set up.
- 2nd Bower anchor to be placed on board & verified with certificate.
- Relieving tackles to be fitted in lieu of hand steering gear.
- Installation of boats & davits to be completed.
- Windlass & steering gear to be tested under working conditions.
- Forecastle deck & top of tunnel recess to be hose tested.
- Ventilators at after end of funnels " " " to be tested.
- All bulkhead doors & doors through ship's side to be tested.
- Hand pump to fore peak tank top flat " " "
- Part of engine & boiler casing left loose for shipment of machinery to be riveted.

To complete 1st entry report, Details of tonnage, Particulars of 2nd bower anchor. & of hand steering gear. & boats also water ballast capacities, fees, & official No. to be inserted.

The Belfast Surveyors have been advised.
see Belfast Report N^o 9297.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	56. 1. 25.	M.R.	458.	12 th & 17 th SEPT. 1924.
	2nd "	56. 2. 15.	M.R.	459.	8 th October 1924.
	3rd "	46. 2. 19.	M.R.	406.	14 th & 26 th MAY. 1924.
	STREAM ANCHOR.	21. 1. 8.	N.D.	1835.	20 th JUNE. 1924.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., ^{AND} R.O.D. ft., Bridge 395.5 ft., Forecastle 72.75 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated POOP JOINED TO BRIDGE.

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 DKS (STL).
Official No. 147812 ; Signal Letters
particulars of composition BY CEMENT & PAINT. BITUMASTIC ENAMEL IN ENGINE & BOILER ROOM DOUBLE BOTTOM TAN
If bottom of Vessel has been coated Inside YES.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capa. Tons.
Double bottom, aft,	102.5	189	Fore peak tank,		5.1
Double bottom, under Engines and Boilers,	170.0	796	After peak tank,		10.2
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	156.75	313	Deep tank, forward,		4.36
Double bottom, forward,	Total capacity of double bottom	1298	Other tanks, if fitted, FW TANKS AT SIDES OF TUNNELS		
			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 3091
Date 29. 5. 23.
Dates of Surveys held while building
1923 June 14. 18. 20. 22. 26. July 11. 17. 20. 25. Aug. 3. 9. 13. 15. 20. 22. 27. Sept 3. 10. 19. 21. Oct 2. 9. 11. 15. 17. 23. 25. 29. Nov 2. 5. 7. 9. 22. 26. 29. Dec. 3. 5. 10. 17. 27. (1924) Jan. 10. 15. 22. 24. 30. Feb. 1. 11. 15. 18. 25. 29. Mar. 3. 7. 12. 14. 25. 26. 28. / Apr. 3. 4. 8. 11. 21. 23. 28. May 1. 7. 15. 16. 21. 26. 28. 30. June 3. 6. 10. 13. 17. 20. 24. 25. 27. July 1. 22. 24. Aug. 5. 11. 12. 15. 19. 21. 28. Sept 2. 5. 10. 16. 18. 22. 24. 26. 30. Oct 6. 13. 14. 16.