

STEEL STEAMER ~~MOTORSHIP~~

Received at London Office

28 JAN 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

20-1-25

Port of

Glasgow

No.

44328

Survey held at

Glasgow

Date First Survey

7.3.23

Last Survey

1925

On the

T. S. S. ORONSAY

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

FULL SCANTLING

State Type of Erections

Bridge & Forecastle on E. Deck & Upper Bridge -

TONNAGE under Tonnage Deck...

11625.24

CLASS 100 A1

State if with freeboard as condition of Class

WITH FREEBOARD FEET.

Built at

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

630.0

Launched

August 14th 1924

Yard No. 500

Breadth (greatest moulded)

B

75.0

Builders

John Brown & Co. Ltd.

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

D

47.0

Owners

Orient Steam Navigation Co. Ltd.

Total

11625.24

Gross Tonnage

20001.21

Register Tonnage

11441.15

1st Longitudinal Number (L x D) =

29610

Managers

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

2nd Numeral L x (B + D) =

76860

Residence

London

REGISTERED DIMENSIONS.

FEET.

Length

633.6

Breadth

76.26

Depth

33.00

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

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

Do. "d" Long Bridge to top of keel

Draught Moulded

29.9


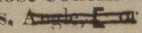


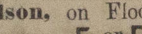
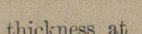
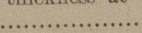
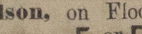
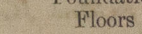
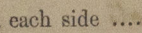
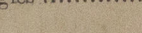
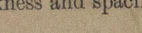
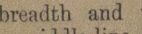
Port of Registry

Glasgow

If surveyed while building, afloat, or in dry dock

while 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.
FRAMES, Spacing amidships	33"	✓	Bracket Floors, Frame		✓
" " from 1/2 length to Collision bulkhead	27"	✓	" " Reversed Frame		✓
" " in peaks	24"	✓	" " Vertical Struts		✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	54" x 73"	✓
Frame Amidships, 	12 x 3 1/2 x 5 1/4	✓	" " top Angles (2) x 3"	4 x 4 x 7 1/2	✓
" " Extends up to	"H" deck.	✓	" " bottom Angles (2) x 3"	5 x 5 x 7 1/2	✓
Reversed Frame Amidships, Angle	across floor only.	✓	Side Girders, No. each side and thickness	3 C 51	✓
" " Extends up to		✓	Margin Plate depth (excl. of flange) and thickness	57" x 67"	✓
Depth of Framing Girder	12"	✓	" " Vertical Angle to Tank side	5 C 6 x 5 1/4	✓
Frames in Uppermost Continuous 'tween Decks, 	8 x 3 1/2 x 4 1/4	✓	" " Bracket abaft 1/2 len. from stem (2)	4 x 3 1/2 x 5 1/4	✓
" " Second 'tween Decks, 	10 x 3 1/2 x 4 1/4	✓	" " Vertical Angle to Tank side	5 C 6 x 5 1/4	✓
" " Third " " " "	13 x 3 1/2 x 4 1/4	✓	" " Bracket forward 1/2 len. from stem (2)	4 x 3 1/2 x 5 1/4	✓
Framing in Peaks, 	10 x 3 1/2 x 4 1/4	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	none.	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/16" x 3/4" 6 and 5 1/2 dia.	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem	none.	✓
State if Frame Joggled	Yes.	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	8' 9"	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Extra stringers reverse frames fitted & as per approved plans	✓	INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Extra intercostal, double frames shell increased close spaced riveting & as per approved plan	✓	Breadth and thickness of Middle Line Strake	68" x 69"	✓
SINGLE BOTTOM.			Thickness of remainder in Holds	56" x 52"	✓
Floors, Depth and thickness at mid-line 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?	Yes.	✓
Height of Brackets at side above base line at toe of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, 			Uppermost Continuous Deck, amidships	8' x 3 1/2 x 3 1/2 x 4 1/4	✓
" " Through Plate or Intercostal Plate			" " in Wells, 		✓
" " Foundation Plate on Floors			" " in way of Bridge, 	8 x 3 1/2 x 3 1/2 x 4 1/4	✓
" " Flat Plate Keel Angles			Spacing	33"	✓
Side Keelsons, No. each side			Second Deck, amidships, 	8 x 3 1/2 x 3 1/2 x 4 1/4	✓
" " thickness of Intercostal Plate			Spacing	33"	✓
" " Angles			Third Deck, amidships, 	8 x 3 1/2 x 3 1/2 x 4 1/4	✓
DOUBLE BOTTOM.			Spacing	33"	✓
Solid Floors, thickness and spacing	50 at 33" apart.	✓	Fourth Deck, amidships, 	8 x 3 1/2 x 3 1/2 x 4 1/4	✓
" " Are Frame and Reversed Frame joggled?	Yes.	✓	Spacing	33"	✓
Bracket Floors, breadth and thickness at middle line		✓	Fifth Deck, amidships, 	8 x 3 1/2 x 3 1/2 x 4 1/4	✓
" " breadth and thickness at margin plate		✓	Spacing	33"	✓
			Bridge Deck, Angle, 	8 x 3 1/2 x 3 1/2 x 4 1/4	✓
			Spacing	33"	✓
			Forecastle Deck, 	7 x 3 1/2 x 3 1/2 x 50	✓
			Spacing	24" x 27"	✓

PILLARS AND DECKS.				INCHES IN SHIP.				Any Departure from Approved Plans to be Noted.			
PILLARS, No. of Rows.....				INCHES IN SHIP.				Any Departure from Approved Plans to be Noted.			
4				Solid.				Stringer Plate, breadth and thickness in way of Bridge "C" DK.			
in 'tween Decks, Size and Spacing.....				3 1/2" - 4 1/4"				Thickness of Plating abreast Deck openings in way of Wells.....			
" " " " " "				Solid.				Thickness of Plating abreast Deck openings in way of Bridge "C" DK.			
" " " " " "				6 1/2" - 7" spaced as per approved plan.				Thickness of Plating within line of openings.....			
Centre Line Bulkhead.				None.				If Sheathed, material and thickness.....			
Stiffeners and Spacing.....				None.				Third Deck, "G" DK.			
Plating, thickness of.....				None.				Stringer Plate, breadth and thickness.....			
STRINGERS AND DECKS.				None.				If Plated, state thickness.....			
Uppermost Continuous Deck, "E" DK.				5 1/2" x 1-30				Fourth Deck, "H" DK.			
Stringer Plate, breadth and thickness in Way of Bridge "C" DK.				5 1/2" x 4-8				Stringer Plate, breadth and thickness.....			
" " " " " "				8" x 8" x 1-2				If Plated, state thickness.....			
Angle in Wells.....				82 x 68				Poop Deck, "D" DK.			
Thickness of Plating abreast Deck openings in way of Wells.....				44				Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings in way of Bridge "C" DK.				49-34				Plating, Sheathing, material and thickness.....			
Thickness of Plating within line of openings.....				Leak 5 x 2 1/2"				Bridge Deck, "C" DK.			
If Sheathed, material and thickness.....				Leak 5 x 2 1/2"				Stringer Plate, breadth and thickness.....			
Second Deck, "F" DK.				5 1/2" x 5-4				Plating, Sheathing, material and thickness.....			
Stringer Plate, breadth and thickness in Way of Wells.....				5 1/2" x 5-4				Forecastle Deck.			
								Stringer Plate, breadth and thickness.....			
								Plating, Sheathing, material and thickness.....			

SCANTLINGS.				RIVETING.			
AS IN VESSEL.				EDGES, No.			
STRAKES.				BUTTS.			
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				State if Joggled?			
AMIDSHIPS.				RIVETS.			
Breadth, Thickness, Thickness, Thickness.				No. of Rows of Rivets.			
Inches, Inches, Inches, Inches.				Diam. Spacing or to cr. Inches, Inches.			
FLAT PLATE KEEL.....				Double			
RUBBING PLATE.....				1 1/2 4 1/2 3 R.			
Bottom Plating, No. of Strakes.....				1 1/2 4 1/2 3 R.			
BILGE PLATING, No. of Strakes.....				1 3 3/4 4 R.			
SIDE PLATING, No. of Strakes.....				1 3 3/4 "			
UPPER DECK, Sheer-strake in Wells.....				1 3 3/4 "			
UPPER DECK, Sheer-strake in Bridge.....				1 3 3/4 "			
LOWER DECK, Sheer-strake in Wells.....				1 3 3/4 "			
LOWER DECK, Sheer-strake in Bridge.....				1 3 3/4 "			
ERECTOR'S BETWEEN POOP SIDE PLATING.....				1 3 3/4 "			
"C" DK SHEER BRIDGE SIDE PLATING.....				1 3 3/4 "			
FORECASTLE SIDE PLATING.....				1 3 3/4 "			

WATERTIGHT BULKHEADS.				FORGINGS and CASTINGS.			
Total No. of W.T. BULKHEADS in Vessel.....				Casting or Forging.			
Extending to Upper Deck (Sec. 3 c).....				Scantlings.			
Deck next below.....				Maker's Name.			
As per Rule approved.....				Any departure from approved plans to be noted.			
STIFFENERS.				Plating Thickness.			
Vertical, Horizontal.				Scantlings, Spacing, Scantlings, Spacing.			
MIDSHIP BULKHEAD, Upper tween decks.....				5 x 3 x 30 20			
" Second ".....				L 5 1/2 x 3 x 32 20			
" Third ".....				10 x 3 1/2 x 3 1/2 x 3 1/2 L			
" Holds.....				3 1/2 x 3 1/2 x 5 1/2 L REV. 30			
COLLISION (in Hold).....				40-26 8 1/2 x 4 1/2 x 24			
AFTER PEAK.....				50-26 15 x 4 1/2 x 5 1/2 24			
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).....				David Colville & Sons. open hearth process.			
STEEL.				Has the Steel been tested as required by the Rules? Yes.			

EQUIPMENT No. 83927

LETTER 107

ANCHORS. 28 JAN 1925

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.
87123	1st Bower	140 1 7	140 1 7	81 6 1 0	240	Shackleton	Harley & Sons Ltd. 189.24 L.T. Dwyer	
87124	2nd "	135 1 22	135 1 22	79 15 1 0	390	Shackleton	" " " " " "	
87122	3rd "	117 0 14	117 0 14	74 0 0 0	390	Shackleton	" " " " " "	
87015	Stream	54 2 0	54 2 0	45 1 1 0	42.10.0	"	" " " " " "	

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.
76477	165 3/4"	88 3.23	88 3.23	330 3/4"	Shackleton	Harley & Sons Ltd. 2.8.24 L.T. Dwyer			150 7/8	122	150 7/8
76497	165 3/4"	88 3.23	88 3.23	330 3/4"	Shackleton	" " " " " "			150 7/8	122	150 7/8
Iron Stream Chain (or Steel Wire)	150 7	113 6.5.14	113 6.5.14	150 7	Shackleton	" " " " " "			150 7	113	150 7

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.
76477	165 3/4"	88 3.23	88 3.23	330 3/4"	Shackleton	Harley & Sons Ltd. 2.8.24 L.T. Dwyer			150 7/8	122	150 7/8
76497	165 3/4"	88 3.23	88 3.23	330 3/4"	Shackleton	" " " " " "			150 7/8	122	150 7/8
Iron Stream Chain (or Steel Wire)	150 7	113 6.5.14	113 6.5.14	150 7	Shackleton	" " " " " "			150 7	113	150 7

Steering Gear, Steam

f. Hastie & Coy. Electric

Steering Gear, Hand

none

Boats 30 lifeboats, 2 motor boats 5 collapsible

Steering Chains, Size and Test

none

Windlass

Napier Bros.

Ceiling in Holds, thickness and material

Yank top plating increased where no insulation

Cargo Battens, thickness, material and spacing

6-2 1/2" in fore and aft cargo spaces where no insulation spaced 2"

Cargo Hatchways, (Upper Deck)

steel plate coamings

Thickness of Hatches

3" Pitch Pine

Size of No. 1 Hatchway (Forward)

14' 2 1/2" x 13' 6" No. 2 16' 6" x 16' 2 1/2" No. 3 18' 2 1/2" x 16' 6" No. 4 18' 2 1/2" x 13' 9" No. 5 18' 2 1/2" x 13' 9" No. 6 18' 2 1/2" x 11' 0" No. 7 18' 2 1/2" x 11' 0"

Number of Shifting Beams and for Fore and Aft

N°1 Hatch 2 off, N°2 Hatch 2 off, N°3 Hatch 2 off, N°4 Hatch 2 off, N°5 Hatch 2 off, N°6 Hatch 1 off, N°7 Hatch 1 off

John Brown & Company, Limited.

Builder's Signature

J. Henderson

Chartered Surveyor.

GENERAL DECLARATION

This vessel has been built in accordance with the approved plan, Secretaries letter of various dates in general conformity with the revised rules for the class contemplated - The owners are aware that the vessel has been built to these rules - Arrangements have been made for the carriage of oil fuel in specially constructed bunkers in the double bottom tanks in the boiler space in 6" 4 hold - All tanks, oil fuel bunkers, 1. deck weather deck, funnel, frst & bulkheads have been tested with water with satisfactory results - The requirements of section 85 of the rules have been complied with so far as they apply - The foreboard has been described & the foreboard marks set in on the vessel's side - The bracklatch davits have been tested in accordance with the instructions contained in the Secretaries letter dated December 23rd 1924 - A dust keel has been fitted in way of nos 2, 3 & 4 holds -

P.T.O.

The amount of Entry Fee..... £ 12 : 0 : 0

Fees applied for, 21.1.1925

Special Survey Fee.... £ 55 : 0 : 0

Received by me, 25.1.1925

Travelling Expenses, if any, £ 15 : 0 : 0

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

Fitted for oil fuel flash point above 150°F.

State whether the Vessel has been built under Special Survey

Yes

Signature

W. Stanley Proctor

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 27 JAN 1925

Character assigned

100A1

with freeboard 1.25

Lloyd's A + C

+ LMC 1.25 FD

Fitted for oil fuel 125 F.P. above 150°F

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.)

Two 1.243 holds & two 243 tonnage tanks (4th H. tanks) have been installed.
The vessel has a cruiser stern.—
Bury away tanks are fitted at the sides of the engine room & they have a total capacity of 335 ton reserve fuel oil.—
Fresh water tanks are fitted at the sides of the tunnel between frames 60 & 74 their total capacity is 553 ton of fresh water.—
There are also fresh water tanks between the tunnels having a total capacity of 402 ton.—

The following approved plans are being sent up.—

No. of plans	No. of plans
1 Midship Section	1 Side tanks in E. Room
1 Framing plan	1 Siller
1 Stern frame & midship	1 Strengthening of bottom plate
1 E. & S. Casings	1 Anchor brace
4 Deck plans	1 Frames in way of ice machine
1 Gang way doors	1 Rigging plan
2 Cargo hatches	1 Bilge & ballast section
1 Oil fuel air & overflow pipes	1 Strong beam in E. casing
1 Bridge post etc.—	1 Drain from F.W. tank flat
1 Shaft Brackets	1 Pillar in E. Room
2 F.W. tanks & tunnels	3 Multiple punchings
4 Turbine Reak &c	
1 Superintendence	= 50 plans —
1 Supports to Superintendence	
1 Brackets at Gangway doors	
1 Stiffening of shell at breaks	
1 Fore & after peak bulkheads	
1 MacLachlan's patent davits	
1 Oil fuel bunkers	
2 Insulation	
1 Piping arrangements	
1 After end framing	
1 Deck Scupper	
1 Specimen Bulkhead	
4 Pillars & girders —	

11 Casting & forging certificates
copy of plans letter & also copy of letter
from owners re. building to the
revised rules —

Prop

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

1st Bower	93.0.18	W.A.D.	8.600	Aug 10.21
2nd "	85.1.2	M.R.	" 389	" 1.24
3rd "	75.0.25	W.A.D.	742	July 31.22
Stream	33.3.10	M.R.	380	Apr. 30.22

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 (this information is to be given as it should appear in the Register Book) *2nd st (Weather deck) 4th deck in fore*
after hold. 5th deck in No. 1 hold —

Official No. 147948 ; Signal Letters ☒ Is bottom of Vessel coated with cement ☒ if not give particulars of composition ☒

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	143	442	Fore peak tank,	27	116
Double bottom, under Engines and Boilers,	173.25	1165	After peak tank,	32	192
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	216.5	704	Other tanks, if fitted, <i>lubricancy & F.W. tanks</i>		
Total capacity of double bottom		2311	(If necessary, furnish further information.)		

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

Order for Special Survey No. 5522

Date

16.12.22

Dates of Surveys
held while building

1923. Mar 7.9.12.13.15.19.20.22.27.29.30. Apr 2.4.16.17.18.20.24.25. May 2.3.7.15.21.24. Jun 4.13.21.25. Jul 5.24.25
Aug 1.4.9.10.13.14.17.20.23.24.31. Sep 7.4.7.11.18.28. Oct 3.5.8.15.18.19.22.26.29.30.31. Nov 1.8.10.15.19.21.28.
Dec 4.6.10.11.13.17.19.24. 1924. Jan 7.11.20.22. FEB. 15.26. MAR. 5.7.10.12.14.18.19.20.26.28.31.
Apr 1.3.4.8.9.11.14.15.16.18.22.24.25.28.29.30. May 1.2.5.7.8.9.12.13.14.15.16.17.20.22.25. JUN 2.4.6.9.17.18.24.25.
July 1.10.16. Aug 1.6.7.8.15.19.20.25.27. SEP. 2.16.18.25. Oct 1.3.8.10.14.21.22.28. Nov 3.7.14.19.27.
Dec 8.9.11.15.19.27.29. 1925. Jan 1.8.9.14.

Total No. of Visits

174