

STEEL STEAMER ~~OR~~ MOTORSHIP.

Received at London Office -2 DEC 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 26th November 1925. Port of Glasgow No. 18479.Survey held at Glasgow Date First Survey 15th December, 1924. Last Survey 23rd November, 1925.On the (State if Machinery fitted Aft and (if Single, Twin or Triple Screw) Single Screw "BARRDALE" (MCHY. AMIDSHIPS.)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling. State Type of Erections P. B. & Sile.TONNAGE under Tonnage Deck... 4673.00 CLASS + 100 A1. State if with freeboard as condition of Class NO. Built at GlasgowDo. of space or spaces between Tonnage Dk. and Upper Dk. 1 Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 299.75 Launched 30th Sept. 1925 Yard No. 408Total 4673.00 Breadth (greatest moulded) B 54.0 Builders The Glasgow Dockyard Co. Ltd.Gross Tonnage 5071.98 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 28.66 Owners Barr, Crambie & Co. Ltd.Register Tonnage 3006.80 1st Longitudinal Number (L x D) = 11457 Managers 1REGISTERED DIMENSIONS. FEET. 2nd Numeral L x (B + D) = 33043 (Where necessary to be entered in Reg. Book.) Residence Glasgow.Length 400.3 Framing Depth "d," at middle of length. See Sec. 3 (1d) 24.29 Port of Registry Glasgow.Breadth 54.4 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.94 If surveyed while building, "afloat, or in dry dock"Depth 28.3 Draught Moulded 23.11 1/2 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.
FRAMES, Spacing amidships	28		Bracket Floors, Frame	6 1/2 3 1/2 3/4	6 1/2 x 3 1/2 x 3/4
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	6 1/2 3 1/2 3/4	6 1/2 x 3 1/2 x 3/4
" " in peaks	24		" " 2. Vertical Struts	6 1/2 3 1/2 3/4	6 x 3 1/2 x 3/4
SIDE FRAMING.			Centre Girder, depth and thickness amidships	4 1/2 51	
Frame Amidships, Angle, [or]	12 x 3 1/2 x 3 1/2 x 53	12 x 3 1/2 x 3 1/2 x 51	" " top Angle	6 6 50	
" " Extends up to	UPPER D.		" " bottom Angles	6 6 55	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	ONE 38	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	3 1/2 50	
Depth of Framing Girder	12" CHANNEL		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 6 42	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	7 3 36		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 6 42	
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft 1/4 len. from stem	NUMBER OF RIVETS IN MARGIN ANGLES INCREASED AS APP. IN LIEU OF GUSSETS ON EVERY FRAME.	
" " Third " " " "			" " Gussets, spacing and scantling forward 1/4 len. from stem		
Framing in Peaks, Angle or [AT 7 1/2 3 34		Tank Side Brackets, height above base line at toe of Frame and thickness	8 1/2 44	
Diameter and Spacing of Rivets through Shell Plating	3/8 AT 6 1/2		INNER BOTTOM PLATING.		
State if Frame Joggled	NO.		Breadth and thickness of Middle Line Strake	8 1/2 49	8 1/2 x 46
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	WEB FRAME SYSTEM. 3 WEBS 40 x 54. 3 SIDE STRINGERS. 40 x 35.		Thickness of remainder in Holds		42
STRENGTHENING OF BOTTOM FORWARD. State Particulars	SINGLE FRAMES 5 x 5 x 41. ADDITIONAL INTERCOSTALS. 3 STRINGERS PLATING MIDSHIP THICKNESS.		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.	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	10 1/2 3 1/2 54	10 1/2 x 3 1/2 x 54
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]	10 1/2 3 1/2 60	11 x 3 1/2 x 53
Middle Line Keelson, on Floors, Angles [or]			Spacing	ON EVERY FRAME.	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, [or]		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side			Spacing		
" thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, [or]		
Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	9 1/2 3 1/2 45	9 1/2 x 3 1/2 x 42
Solid Floors, thickness and spacing	18 AT 8 1/2 SPACING.		Spacing	ON ALTERNATE FRAMES.	
" " Are Frame and Reversed Frame joggled?	YES.		Bridge Deck, Angle, [or]	9 3 1/2 42	
Bracket Floors, breadth and thickness at middle line	51 38		Spacing	ON EVERY FRAME.	
" " breadth and thickness at margin plate	31 38		Forecastle Deck, Angle, [or]	10 1/2 3 1/2 50	10 x 3 1/2 x 50
			Spacing	ON ALTERNATE FRAMES.	

PILLARS AND DECKS.

[illegible]

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? No.	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	49	.76	.67	.67		DOUBLE	1	3½	4-3	1	4	LAPPED.	
„ DBLG. (if any)	✓												
BOTTOM PLATING, No. of Strakes60	.46	.46		DOUBLE.	7/8	3½	3	7/8	3½	"	
BILGE PLATING, No. of Strakes60	.46	.46		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes60	.44	.44		"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells.....	72	.94	.44	.44	72 x 1.00	"	1	4	5-3	1	4½	"	
UPPER DECK, Sheer-strake in Bridge ...	72	.60	✓	✓		"	7/8	3½	3	7/8	3½	"	
STRAKE BELOW Sheer-strake in Wells.....	94	.66	.44	.44	80½ x .60	"	"	"	"	"	"	"	
STRAKE BELOW Sheer-strake in Bridge60	✓	✓		"	"	"	"	"	"	"	
POOP SIDE PLATING38		SINGLE.	"	"	1	✓	✓	"	
BRIDGE SIDE PLATING61	✓	✓		DOUBLE.	"	"	3	✓	"	"	
FORECASTLE SIDE PLATING		.40	✓	✓		SINGLE.	"	3	1	✓	"	"	

WATERTIGHT BULKHEADS.

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

			STIFFENERS.					
			Plating Thickness.	VERTICAL.		HORIZONTAL.		
				Scantlings.	Spacing.	Scantlings	Spacing	
MIDSHIP BULKHEAD, Tween decks...								
"	"	"						
"	"	"						
"	"	"						
"	"	"						
"	"	"						
"	"	"						
"	"	"						
Holds			40	26	10 1/2 x 22 x 12	30		
(in Hold)			50	27	8 x 3 1/2 x 18	24	2 SEAM. BOX 40	2 SEAM. BOX 40
AFTER PEAK			44	30	8 x 3 1/2 x 40	24	1 SEAM. BOX 40	2 SEAM. BOX 40

FORGINGS ~~and~~ CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	FLAT PLATE KEEL. ✓			
STEM	STEEL BAR.	9" x 2 5/8"	HURMAN & CO.	
STERN FRAME {	Propeller Post	FORGING 10 1/4 x 7 1/8	SKORP	
	Rudder "	" 9 x 7 1/2	WORKS L ^d	9 x 7 1/8
RUDDER—A x D	500			
Speed of Vessel	10 KNOTS.			
RUDDER mainpiece at head ...	FORGING	10" DIA	SKODA	
" " heel ...	"	7 1/2 "	WORKS L ^d	
" how constructed	FORGED & BUILT. ✓			
" double or single plate	SINGLE	1.04 "		
" coupling, vertical or horizontal	HORIZONTAL. ✓			
STEEL.				
Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS.				
THE STEEL COMPANY OF SCOTLAND. D. COLVILLE & SONS.				
PHOENIX. GUTHRIE & SONS.				
Has the Steel been tested as required by the Rules? YES.				

EQUIPMENT No. 35265											LETTER	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.				
58908	1st Bower ...	65	0	14	STOCKLESS.			51	0	0	0	63 $\frac{3}{4}$	AYERS TYPE.	S. TAYLOR.	7170N, 30.6.25, DRYSBALL
58909	2nd " ...	64	2	0	"			50	15	0	0	63 $\frac{3}{4}$	" "	"	" " "
59090	3rd " ...	55	0	10	"			45	9	0	7	54 $\frac{1}{2}$	" "	"	" 18.10.25 "
	Collective weight.	184	2	24								182			
58924	Stream	18	1	10	4	3	0	19	6	2	7	17 $\frac{1}{2}$	ORDINARY.	"	" 14.7.25 "

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.
3940	270	2 1/4	91 1/2	127 1/2	682.0.7	682 1/4	270	2 1/4	STUR.	S. TAYLOR.	GLS. 30.7.25	TOWLINE...	120	5	73	120	4 1/2
Stream Chain of Steel Wire												HAWSERS & WARPS }	40.90	2 1/2	18.2	20.90	2 1/2
	90	1/4		52 1/2			90	1/4			L. HOFFNER.		"	40.90	7	MANILA.	20.90
NOTE: ALL WIRES GALV. PLAT. CRUCIBLE STEEL EXTRA QUALITY																	

Steering Gear, Steam BY N. GREGORS PORT GLASGOW ENG. WKS. Steering Gear, Hand AFT, BY RELIEVING TACKLE LED TO WINCH.

Boats 2 LIFE. 28 FT., 2 DING. 18 FT. Steering Chains, Size and Test. TELENOTOR CONTROL. Windlass } IS STEAM BY EMERSON
WALKER & THOMPSON BROS.

Ceiling in Holds, thickness and material } 2 1/2" W.P. OVER LIMBERS. Cargo Battens, thickness, material and spacing 2" W.P. 9" APART.
8" UNDER HATCHWAYS.

Cargo Hatchways.—(Upper Deck) STEEL PLATES & ANGLES. Thickness of Hatches 3" W.P. SOLID.

Size of No. 1 Hatchway (Forward) 33' 9" x 24' No. 2 32' 8" x 24' No. 3 21' x 20' No. 4 32' 8" x 24' No. 5 30' 4" x 24' No. 6

Number of Shifting Beams and Fore and Afters. 7 IN N° 1-2 & 4, 4 IN N° 3, 6 IN N° 5.

THE GREENOCK DOCKYARD CO. LTD.

Builder's Signature

J. L. Swinton. DIRECTOR

GENERAL DECLARATION The vessel has been built in accordance with the approved plans, instructions, and printed Rules of this Society. The materials and workmanship are of good quality. The freeboard, has been verified and the marks cut in on the vessel's sides. The peak tanks, Deep tank, double bottom tanks, watertight bulkheads, tunnel, watertight doors and weather decks have been tested as required by the Rules and found satisfactory.

Note: The scantlings and riveting of the tank top plating in way of N° 1-2-4 & 5 double bottom tanks are in accordance with Rule requirements for the carriage of oil fuel, and the tanks tested as per Rules in the event of oil fuel burning installation being fitted at a later date.

The amount of Entry Fee £ 9 : 0 : 0 Fees applied for,
Special Survey Fee.... £ 326 : 16 : 0 25.11.1925
FREEBOARD. 11 : 0 : 0 Received by me,
Travelling Expenses, if any £ 30.11.1925.

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

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

Signature R. L. Swinton.
Surveyor to Lloyd's Register of Shipping.

H. M. Glasgow. Date of issue 5/12/25.
Certificate to be sent to GREENOCK.

Committee's Minute GLASGOW 1-DEC 1925

Character assigned + 100 A1

11.25

Lloyd's A+C.
+ LMC 11.25

FD. H. M.



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Lloyd's Register

Foundation

148-00711(212)

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
Profile & deck plans.
Sternframe & Rudder.
Rudder Quadrant
Bottoms Strengthening forward.
Panting arrangement
Deep tank.
Riveting of tank side brackets in lieu of gussets.
Pumping arrangement.
Forging Reports (4 in W.)

Midship Section as Built.
Profile & deck plans as Built.

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

1st Bower	WT OF HEAD	28-0-3,	SURV. INGS.	J. D.,	N. OF CERT.	3134,	DATE OF TEST	6-3-19
2nd "	"	38-0-26,	"	J. D.	"	3124,	"	27-2-19
3rd "	"	32-2-7	"	J. D.	"	2926,	"	20-12-18

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.25 ft., R.Q.D. — ft., Bridge 189 ft., Forecastle 37.5 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) 1 Dk. (Scl.)

Official No. 148882; Signal Letters — If bottom of Vessel has been coated Inside YES. give particulars of composition COMPLETE CEMENT IN ENG. ROOM TANK & DRY TANK. FILLETS & CEMENT WASH ELSEWHERE.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	123.66	313	Fore peak tank,	✓	160
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	✓	200
Double bottom, if under Engines only,	23.33	99	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only, DRY TANK.	18.66	✓	Deep tank, forward,	37.33	1500
Double bottom, forward,	180.00	622	Other tanks, if fitted,	✓	✓
Total capacity of double bottom	1034.1		(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. 3140

Date 19.12.24.

Dates of Surveys held while building

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

Total No. of Visits 34.