

Rpt. 1.

STEEL ~~STEAMER~~ OF MOTORSHIP.

Received at London Office 13 JAN 1926

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

5th January 1926

Port of

Glasgow

No. 45289

Survey held at

Glasgow

Date First Survey

17.3.25

Last Survey

28th December

1925

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

Twin Screw Motor Vessel Myrtlebank

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

Complete Superstructure with Tonnage Openings

State Type of Erections

None

TONNAGE under Tonnage Deck

4764.19

CLASS +100 A.1.

State if with freeboard as condition of Class Yes

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 419.5

Launched

29th Oct. 1925

Yard No.

6836

Total

4764.19

Breadth (greatest moulded)

B 53.75

Builders

Messrs Harland & Wolff Ltd.

Gross Tonnage

5149.55

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

D 37.15

Owners

Bank Line Ltd.

Register Tonnage

3150.16

1st Longitudinal Number (L x D) = 15584

Managers

Messrs Andrew & Co

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

2nd Numeral L x (B + D) = 38133

Residence

London

REGISTERED DIMENSIONS.

FEET.

Length

420.20

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

25.56

Port of Registry

Glasgow

Breadth

53.90

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

11.3

If surveyed while building, afloat, or in dry dock

Depth

26.50

Do. Long Bridge to top of keel

25.434

Building afloat

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	3 1/2		Bracket Floors, Frame	9 1/2 3 1/2 .45	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	9 3 .45	
" " in peaks	24		" " Vertical Struts	9 3 .45	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 3/4 .58	
Frame Amidships, Angle, [or]	7 3 1/2 .50		" " top Angles	3 1/2 3 1/2 .54	
" " Extends up to	Upper Deck		" " bottom Angles	5 5 .56	
Reversed Frame Amidships, Angle	10 4 .52		Side Girders, No. each side and thickness	One @ .42	
" " Extends up to	2 nd Deck		Margin Plate depth (excl. of flange) and thickness	4 1/2 .54	
Depth of Framing Girder	10 1/2		" " Vertical Angle to Tank side Bracket plate 1/2 len. from stem	3 1/2 3 1/2 .46 double	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	7 3 1/2 .50		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 6 .46 single	
" " Second 'tween Decks, Angle, [or]	7 3 1/2 .50		" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 3 1/2 .46 every ft.	
" " Third " " " "	7 3 1/2 .50		" " Gussets, spacing and scantling forward 1/2 len. from stem	do	
Framing in Peaks, Angle or [7 3 1/2 .50		Tank Side Brackets, height above base line at toe of Frame and thickness	7 3/4 .42	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 3/4		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	53 3/4 .52	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Transverse Stringers See App. 2 Plan		Thickness of remainder in Holds	.44	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	As App. 2 Plan		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room?	Yes	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	8 x 4 1/2 3 1/2 .52	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]	✓	
Middle Line Keelson, on Floors, Angles, [or]			Spacing	3 1/2	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, [or]	10 x 5 1/2 3 1/2 .56	
" " Foundation Plate on Floors			Spacing	3 1/2	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or]		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]		
Solid Floors, thickness and spacing	42 every 30 ft		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line	37 1/2 x .42		Spacing		
" " breadth and thickness at margin plate	37 1/2 x .42		Forecastle Deck, Angle, [or]		
			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.....		One				Stringer Plate, breadth and thickness in way of Bridge		✓			
" in 'tween Decks, Size and Spacing.....		2 1/2 ft. frames				Thickness of Plating abreast Deck openings in way of Wells		38		38	
" " " " " "		✓				Thickness of Plating abreast Deck openings in way of Bridge		✓			
" in Holds " "		✓				Thickness of Plating within line of openings..		34			
" " " " " "		✓				If Sheathed, material and thickness		✓			
Centre Line Bulkhead.		blank				Third Deck.					
Stiffeners and Spacing.....		8.9 x 12				Stringer Plate, breadth and thickness.....					
Plating, thickness of		3/32				If Plated, state thickness.....					
STRINGERS AND DECKS.						Fourth Deck.					
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness.....					
Stringer Plate, breadth and thickness in Way		62 x 41		61		If Plated, state thickness					
" " " " in way of Bridge		✓		✓		Poop Deck.					
" Angle in Wall		✓		✓		Stringer Plate, breadth and thickness					
Thickness of Plating abreast Deck openings }		✓		✓		Plating, Sheathing, material and thickness ...					
Thickness of Plating abreast Deck openings } in way of Bridge		✓		✓		Bridge Deck.					
Thickness of Plating within line of openings...		29		29		Stringer Plate, breadth and thickness.....					
If Sheathed, material and thickness		P.R.S.				Plating, Sheathing, material and thickness ...					
Second Deck.						Forecastle Deck.					
Stringer Plate, breadth and thickness		5 1/2 x 40		40		Stringer Plate, breadth and thickness.....					
						Plating, Sheathing, material and thickness ...					

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			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	52%	.79	.76	.69	approx. .69 fwd.	Double	1-7/8	3 1/2	Quadr 3/4 L	1	4	Lapped	
„ DBLG. (if any)													
BOTTOM PLATING, No. } of Strakes61	22-42 18-50	.50		Double	7/8	3 1/2	Quadr 1/2 L.	7/8	5 1/2	Lapped	
BILGE PLATING, No. of Strakes61	.50	.50									
SIDE PLATING, No. of Strakes61	.47	.47			3/4-1/4	25-3	3-22 fwd aft. 7/8-3/4 25-30				
UPPER DECK, Sheer- strake in Wall	73 1/2	.76	.50	.52	approx. .69-.47		1-7/8	3 1/2	Quadr 1/2 L.	1	4		
UPPER DECK, Sheer- strake in Bridge ...													
STRAKE BELOW Sheer- strake in Wall	70	.66	.47	.47		Double { Rivets copper	1-7/8	3 1/2	Quadr 1/2 L.	7/8	2 1/2	Lapped.	
STRAKE BELOW Sheer- strake in Bridge ...													
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING					X							X	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 7

Extending to Upper Deck (Sec. 3 c) *Bottom 119 in.*

Deck next below ~~to~~ 6 000.

As per Rule 154/24, 66-24.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						
"	"	Second	"			
"	"	Third	"			
"	"	Holds	(40 ft)	24-48	5-12, 4-4, 4-4, 4-2, 5-3	
COLLISION		(in Hold)		30-54	{ 10-3 1/2, 52 1/2 } 9-2-1/2	24" chain 1/2 in. 3/4
AFTER PEAK		"	"	30-43	9-3-0, 44 1/2	24" Semi One 1/2 + 1/2 in. 3/4

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat plate keel		
STEM <i>Curled bar & cast iron foot.</i>		$9\frac{3}{4} \times 9\frac{3}{4}$	<i>Wheeler & Smith Co. N.Y.</i>	
STERN FRAME {	Propeller Post	<i>Cast iron</i>	<i>Wheeler & Smith Co. N.Y.</i>	
	Rudder ..	$10\frac{1}{2} \times 3\frac{1}{2}$	<i>of Wain.</i>	
RUDDER—A × D		<i>600</i>		
Speed of Vessel		$10\frac{1}{2}$ knots		<i>Brown & Wain</i>
RUDDER mainpiece at head ...		<i>Forging</i>	$11\frac{1}{2}$	
" " heel ...		"	$8\frac{1}{2}$	
✓ " how constructed		<i>Built, arms strong in mainpiece</i>		
" double or single plate		<i>Single Plate</i>		
" coupling, vertical or horizontal		<i>Vertical Coupling</i>		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Shinnigrove Iron Works, Massena Steel Works, Wm. Beaudry & Co. Steel Co. of Scotland &c.
Open Heart Process.

Has the Steel been tested as required by the Rules? 4/20

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 vessel is a sister vessel to the same builders Van No 6439, 6559, 6560, 6629, 6639, 6649, 6769, 6779, 6789, 6799, 6809, 6819, 6829. MVs: Sunbank, Glenbank, Birchbank, Cedarbank, Comelbank, Claybank, Alpinbank, Kelbank, Forestbank, Mainbank, Weirbank, Larchbank + Lerenbank. P.P. 51 0 3 4 0 P1

Plans Included:

Midship Section

Profile & Decks

Stem Frame & Base Arms

Rudder

Aft End Framing

Fore End Framing

W.T. Bulkheads

Deep Tank

Pumping Plan

Hatch Plan

Tunnel Plan

Hatch End Beams

Centre Line Bulkhead & Low D^o Pillars

Upper D^o Plan

Low D^o Plan

Stem Cuts & Beams

Engine Seating

Construction at foot of tunnel stiffeners

A plan of Midship Section as built is also enclosed & also the forging and casting reports.

Note: Please return plans for dealing with sister vessel

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

1st Bower 46-1-13; H.Y.; 1; 16/7/25.
2nd „ 46-1-14; H.Y.; 2; 16/7/25.
3rd „ 41-3-6; W.T.B.; 3/01; 27/8/20 & 7/9/20.

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)

2 decks (steel) upper deck sheathed with 3 P.P.

Official No. 148885; Signal Letters

Is bottom of Vessel coated with cement? No. 1 D.B. Tank if not give

particulars of composition

1. 2, 3, 4, 6 & 7 Lubricating Oil Tank under Engines coated with mineral oil
2. 5 Red Water D.B. Tank & Officiant coated with Bituminous Solution & Manganese
3. Piston Cooling D.B. Tank coated with zinc white paint.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	*Water Capacity. Tons.	Where Fitted.	*Length. Feet.	*Water Capacity. Tons.
Double bottom, aft, W.B. & O.F. W.B. = 350, O.F. = 323	131.25	350	Fore peak tank, W.B.	21.08	106
Double bottom, under Engines and Boilers, F.W. = 129; Lub. Oil = 31	39.37	167	After peak tank, W.B.	18.87	132
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, 991 tons oil	51.5	1067
Double bottom, forward, W.B. = 108; Remains = W.B. & O.F. W.B. = 496; O.F. = 487	185.87	604	Other tanks, if fitted, Oil tanks between tunnels = 233	115.0	251
Total capacity of double bottom		1121	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.
Total length of Double Bottom Tanks = 356.5 feet

Order for Special Survey No. 5685

Date 24. 1. 28.

Dates of Surveys held while building

1925 Mar 23-24-26. Apr 8-10-17-22-24-28. May 11-13-20-21. June 2-4-15-19.
Aug 4-10-20. Sept. 4-25-27-30. Oct. 1-2-5-6-7-9-13-14-16-17-20-21-23-26-27-28.
Dec 7-9-10-16-21-22-23-24-28.

Total No. of Visits 50