

Rpt. 1

RECEIVED

26 FEB 1945

DISCLOSED

SECTION

No. 781

STEEL STEAMER OR MOTORSHIP.

Received at London Office

DISCLOSED

SECTION

No. 781

Date of completion of report

24 February 1945

Port of Sunderland

No. 34144

Survey held at

Sunderland

Date First Survey

28 Oct 1944

Last Survey

17 February 1945

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

Single screw steamer

"Empire Mauritius"

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

C.S.S. without Tonnage opening

State Type of Erections Focle, Poop.

TONNAGE under

6686.11

Tonnage Deck ...

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

Total

1309.66

Gross Tonnage

5094.32

Register Tonnage

REGISTERED DIMENSIONS.

FEET

Length

431.2

Breadth

56.3

Depth

35.6

CLASS

+100A1

State if with freeboard as condition of Class

Yes

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

L 425'

Breadth (greatest moulded)

B 56'

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

D 34'

1st Longitudinal Number (L x D)

15125

2nd Numeral L x (B + D)

39525

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

21.63

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

11.18

Do. Long Bridge to top of keel

Draught Moulded

26'-7 1/2"

Built at

Sunderland

Launched

30 Oct 1944

Yard No. 302

Builders

Barkram & Sons

Owners

M. O. W. T.

Managers

MacLay & McIntyre

(Where necessary to be entered in Reg. Book)

Residence 21 Bothwell Street Glasgow

Port of Registry

If surveyed while building, afloat, or in dry dock

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	36	✓	Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	✓	
" " in peaks	24	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 - 54	✓
Frame Amidships, Angle, E or F	12 3 1/2 5/8	✓	" " top Angles	3 1/2 3 1/2 - 48	✓
" " Extends up to	U.D. every 3rd	✓	" " bottom Angles	4 4 - 54	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 1 1/2 - 42 5	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	56	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 3 1/2 - 44	✓	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	Welded	✓
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	continuous	✓
" " Third	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	14 - 42	✓
" " from 1/2 len. for'd. to 15% len. from Stem	12 - 3 1/2 5/8 3 1/2	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	111 - 48	✓
" " in Peaks, Angle, E or F	8 3 1/2 - 35	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 3 1/8 27 bottom	✓	Breadth and thickness of Middle Line Strake	Plated athwartships	✓
State if Frame Joggled	Yes	✓	Thickness of remainder in Holds	46 - 42	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	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?	54 under hatches	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	BEAMS. Longitudinal		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in	6 3 1/2 - 40 3 1/2 - 43 1/4	✓
Floors, Depth and thickness at mid-line in Holds	✓		" " in way of Bridge, Angle, E or F	transverses 12 - 44 - 50/60	✓
Height of Brackets at side above base line at toe of frame	✓		" " Spacing	spaced 9'-0" apart	✓
Middle Line Keelson, on Floors, Angles, E or F	✓		Second Deck, amidships	1 3 - 40 3 1/2 - 45 1/4	✓
" " Through Plate or Inter-costal Plate	✓		" " Spacing	spaced 9'-0" apart	✓
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, E or F	✓	
" " Flat Plate Keel Angles	✓		" " Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, E or F	✓	
" " thickness of Inter-costal Plate	✓		" " Spacing	✓	
" " Angles	✓		Poop Deck, Angle, E or F	✓	
DOUBLE BOTTOM.			" " Spacing	✓	
Solid Floors, thickness and spacing	42 36	✓	Bridge Deck, Angle, E or F	✓	
" " Are Frame and Reversed Frame joggled?	Frame Yes	✓	" " Spacing	1 3 - 33	✓
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, E or F	8 3 - 34 2 - 42	✓
" " breadth and thickness at margin plate	✓		" " Spacing	24 - 27	✓

(MADE IN ENGLAND)

010445-010501-0339 1/2

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		26" lapped		Thickness of Plating abreast Deck openings in way of Wells		40	✓
" " " " " "		4+3+3/8" ✓		Thickness of Plating abreast Deck openings in way of Bridge		✓	
" in Holds " " " "		6+3+3/8" ✓		Thickness of Plating within line of openings...		34	✓
" " " " " "		spaced 36"-54" ✓		If Sheathed, material and thickness			
Centre Line Bulkhead.		7+3+5/16" ✓	1/8"	Third Deck.			
Stiffeners and Spacing		10+3+1/2" ✓		Stringer Plate, breadth and thickness			
Plating, thickness of		spaced 27"-54" ✓		If Plated, state thickness			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness			
Stringer Plate, breadth and thickness in Wells		68	70	If Plated, state thickness			
" " " " " in way of Bridge		✓		Poop Deck.			
" Angle in Wells		6	6	Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells		70	65	Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of Bridge		✓		Bridge Deck.			
Thickness of Plating within line of openings...		40	✓	Stringer Plate, breadth and thickness			
If Sheathed, material and thickness		✓		Plating, Sheathing, material and thickness ...			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells		90 1/4	44	Stringer Plate, breadth and thickness		36	✓
				Plating, Sheathing, material and thickness...		32	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.	NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.		Diam.
See letter 13.3.45	Inches.	Inches.	Inches.	Inches.								
Flat Plate Keel	55 1/8	40	70	70		Double	1/4	3-6	✓	✓	Welded	
" Dblg. (if any)	✓											
Bottom Plating, No. of Strakes	AAC	64	56-58	54-53		double	1/4	3-6	4	1/4	3 1/2	ABCLapped
Bilge Plating, No. of Strakes	BAD	68	56-59	54-60		"	1/4	3-6	✓	✓	Welded	
Side Plating, No. of Strakes	E	68	50	50		"	1/4	3-6	3	1/4	3 1/2	lapped
Upper Deck, Sheer-strake in Wells	FGH	68	46	46		"	1/4	3-6	4	1/4	4	lapped
Upper Deck, Sheer-strake in Bridge ...	93	73	46	46		"	1/4	3-6	✓	✓	lapped	
Strake below Sheer-strake in Wells												
Strake below Sheer-strake in Bridge ...												
Poop Side Plating												
Bridge Side Plating												
Forecastle Side Plating			40			Single	1/4	3 1/2	1	3/4	2 5/8	lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	6
Extending to Upper Deck (Sec. 3)	1 (five due WTBKs in 'tween decks)
" Deck next below	Seven (AP BH to raised 2nd deck)
As per Rule	Seven see plans & letter 13.3.45

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
144 Coll to Upper Deck	52 to Upper Deck				
118 to 191 to Upper Deck	31 to Upper Deck				
95 to 96 to Upper Deck	9 AP raised 2nd deck				
75 to 6 to Upper Deck					
See letter 29.3.45					
MIDSHIP BULKH'D, Upper 'tween decks	26	as approved			
" " Second	✓	✓			
" " Third	✓	✓			
" " Holds	52, 75, 95, 121	34	as approved		
COLLISION (in Hold)	144	53	9+3+4+0 1/2	2 as approved	24 SB Beams 6'
AFTER PEAK	9	50	6+3+50 1/2	2 as approved	24 " 8'

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Flat plate			✓
STEM	Rolled 10+2 1/2"			✓
STERN FRAME	Propeller Post		Colville's Constructional	✓
	Rudder		approved Cold Glasgow	✓
Speed of Vessel	11 knots			✓
RUDDER—Type	Ordinary			✓
" A x D.	57 1/2"			✓
" Diam. of head	11 1/8"		Darlington Forge	✓
" Mainpiece at top pintle	✓		Walsingham	✓
" " heel	✓		Steel Co Ltd.	✓
" how constructed	Steel plates & angles			✓
" double or single plate coupling, vertical or horizontal	Double			✓
	Horizontal		vertical see plan letter 13.3.45	✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open hearth.
	Dorman Long, Appleby Frodingham, Skinningrove, Consett
	From Co, Cargo Fleet.
	Has the Steel been tested as required by the Rules? Yes

EQUIPMENT No. 40157 ✓

LETTER a +

ANCHORS.

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.
2542	1st Bower	Cwts. qrs. lbs. 69 2 14	Cwts. qrs. lbs. - - -	Tons. cwt. qrs. lbs. 53 12 2 -	Cwts. 68 ✓	Challenge Type	N. Hingley & Sons	Netherton 24/8/44 SB
2543	2nd "	69 2 14	- - -	53 12 2 -	68 ✓	"	"	" 24/8/44 SB
52106	3rd "							
	Collective weight							
	Stream	19 5	4 3 16	19 11 2	19	Ordinary FW	Not stated	Cradley Heath 31/1/44 WVN

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.
67843	225 3/4	25 1/4	96 1/2 13 3/4 616-1-10	270 27 1/2	Stud Link	Kendrick & Mole Ltd	Cradley Heath 25/1/44 WVN	TOWLINE	120 4 3/4	6+6 120 4 3/4	
									90 4 3/4	6+6 90 4 3/4	
									2-90 2 3/4	15.2 2-90 2 3/4	
									2-75 2 3/4	15.2 2-90 2 1/2	
									2-75 3 1/4	21.7	
	90 5	52.8		90 5							

Steering Gear, Type (Power ~~or hand~~) *Hastie & Co* ✓Alternative Means of Steering *Cable block & tackle* ✓Steering Chains (Size and Test) *Telemotor* ✓Windlass *Clarke Chapman & Co* Boats *4 @ 30'-0"* ✓

Ceiling in Holds, thickness and material ✓

Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* ✓Thickness of Hatches *2 1/2"* ✓Size of Hatchways No. 1 (Fwd.) *31'-6" + 23'* No. 2 *36' + 23'* No. 3 *36' + 23'* No. 4No. 5 *36' + 23'* No. 6 *36' + 23'* ✓Number of Shifting Beams *No 1-6, No 2, 3, 5 & 6 each 7* ✓*Combunkers - 1* ✓

Builder's Signature

BARTRAM and SONS LTD

CECIL McPETRICH
DIRECTOR

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *No* ✓
 (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No* ✓
 be indicated, together with the flash point (where required to be inserted in the Notation). The positions in which oil is carried as fuel or cargo should

This ship has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to those shown on the approved plans. The materials and workmanship are good. The freeboard marks have been marked out on the vessel's sides. The double bottom tanks, deep tanks, & peak tanks have been tested in accordance with the Rules. The decks, bulkheads, tunnel, hand pumps & watertight doors have been satisfactorily tested. The windlass and steering gear have been tried under working conditions.

The amount of Entry Fee..... £ 10. : : Fees applied for, 16 Feb 1945
 Special Survey Fee..... £382. 15. : : Received by me, 19
Specification 95 13 9
 Travelling Expenses, if any £ 18. : : .

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed *+100 AI* with freeboard.State whether the Vessel has been built under Special Survey *Yes*Signature *John Renne*
Surveyor to Lloyd's Register of Shipping.Certificate to be sent to *SUNDERLAND*Date of issue *18/4/45*Committee's Minute *Glasgow*

FRI. 23 MAR 1945

Character assigned *+100 AI**with freeboard**Lloyd's A & CP**+LMC 2.45 ED. CL. Spl.**White St.**" Sp.**Note for SRL.*

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Lloyd's Register
Foundation

010445-010501-0334 2/2

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.)

Inquiry & certifying certificates enclosed herewith.

Hatch covers fitted at all 2nd deck hatchways excepting Nos 1 & 6
It is the Owners intention to fit cargo battens at the first opportunity.

PARTICULARS OF ELECTRIC WELDING (if employed) Murex electrodes:-

Parts welded:- Keel butts, butts of D+E strakes ^{midships} tank shell seams & butts at ends (A,B,C,D,E strakes) tank tops, tank side margin & brackets to shell. WT bulkheads to tank tops & deck in holds & tween decks, 2nd deck to shell, tunnel stools, thrust seating, auxiliary engine seating, tank molder, fabricated stern frame, masts, mast houses, midships deckhouse top, winch seating.

SPECIAL NOTATIONS:- Either as part of the vessel's class or for record in the Register Book. Cruiser stern, DF, ESD.

1 Bh (Coll to W Dk, 6 to 2nd Dk) 5 divisional WT bulkheads in tween deck.

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

1st Bower	43-1-22 (incl pins)	AEG	5336	12	11	43
2nd "	43-1-2	"	AEG	5546	25	11-44
3rd "						

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 38.04 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 180149 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length 447'-9" (Circ. 1703)

No. and Material of Decks 2 dks (Stl)

Parts of Bottom of Vessel coated with cement or approved composition. Boiler room tank, peaks, mast heads in double bottom.

Particulars of composition (if fitted) and of approval.

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, see letter 13.3.45	117.0	589.06	Fore peak tank,	23.4	186.36
Double bottom, under Engines and Boilers,	42.0	198.67	After peak tank, see letter 13.3.45	20.0	156.54
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, Tank i.w. of tunnel	51' ✓	335.00
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, P.S. Wing tanks	15.75	264.57
Double bottom, forward,	208.5	831.00	Other tanks, if fitted, Arises of Eng Rm past	21.00	320.59
Total length (if continuous) and Capacity.	367.5	1618.73	(If necessary furnish further information by sketch.)		
	316.5	1283.75			

Order for Special Survey No. 6115

Date 17.12.43

Dates of Surveys held while building

1944. Apr 28 May 1.8.10.12.18.22.24.30 June 1.5.6.8.9.12.14.16.19.21.23.26.28.29.30
July 3.4.5.6.7.10.11.12.13.14.24.26.28.31 Aug 2.4.8.9.10.11.12.15.16.17.22.23.25.28.30.31 Sep 4
5.6.8.11.12.13.18.20.22.26.30 Oct 2.3.4.5.6.9.11.13.16.17.19.23.24.25.26.27.28.29.30.31 Nov 1.2
3.7.10.13.15.16.17.20.21.22.24.27.29.30 Dec 4.5.8.11.12.13.14.15.18.19.20.22.27.29.30 Jan 3.5.8.10
11.12.15.16.17.18.22.24.25 Feb 5.7.8.9.10.12.13.14.15.16.17

Total No. of Visits 141