

## STEEL STEAMER OR MOTORSHIP.

Received at London Office

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 15th December 1945.Port of Hull.Survey held at Selly and Hull.Date First Survey 9th December 1944Last Survey 12th December 1945On the Single screw steam tug EMPIRE VERA.State Type Full scantlingState Type of Erections None.TONNAGE under Tonnage Deck 262.17Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓Total 262.17Gross Tonnage 296.45Register Tonnage Nil

## REGISTERED DIMENSIONS.

FEET

Length 116.0'Breadth 27.6'Depth 12.7'CLASS 100 A-1State if with freeboard as condition of Class No.

## FOR TOWING SERVICES

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 115'-0"Breadth (greatest moulded) 27'-6"Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 13'-6"1st Longitudinal Number (L x D) 1552.52nd Numeral L x (B + D) 4715Framing Depth "d," at middle of length. See Sec. 3 (1d) 13'-5"Proportions—Depth to Length—Uppermost continuous deck to top of keel 8'-5"Do. Long Bridge to top of keel ✓Draught Moulded 12'-2"Built at SellyLaunched May 14th, 1945 Yard No. 1302Builders Bochane & Sons Ltd., Selly.Owners Ministry of War TransportManagers United Young Co. Ltd.  
(Where necessary to be entered in Reg. Book)Residence London.Port of Registry Hull.If surveyed while building, afloat, or in dry dock and  
During construction

## 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	21	✓	Bracket Floors, Frame		
" IN BOILER SPACE	21 1/2	✓	" " Reversed Frame		
" " from 1/2 length amidships to Collision bulkhead	18	✓	" " Vertical Struts		
FORE PEAK	18	✓	Centre Girder, depth and thickness amidships		
" " in peaks	21	✓	" " top Angles		
AFTER PEAK	21	✓	" " bottom Angles		
SIDE FRAMING.			Side Girders, No. each side and thickness		
Frame Amidships, Angle, E or F	5 3 30	✓	Margin Plate depth (excl. of flange) and thickness		
" IN BOILER ROOM	5 3 36	✓	" " Vertical Angle to Tank side		
" " Extends up to	UPPER DECK	✓	" " Bracket abaft 1/2 len. from stem		
Reversed Frame Amidships, Angle	3 2 1/2 30	✓	" " Vertical Angle to Tank side		
" IN BOILER ROOM	3 2 1/2 40	✓	" " Bracket from forward 1/2 len. from stem to Panting Area		
" " Extends up to	ACROSS FLOORS	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem		
Depth of Framing Girder	5"	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " Second 'tween Decks, Angle, E or F			INNER BOTTOM PLATING.		
" " Third			Breadth and thickness of Middle Line Strake		
" " from 1/2 len. for'd. to 15% len. from Stem			Thickness of remainder in Holds		
" " in Peaks, Angle or E	5 3 30	✓	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	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 5/4"	✓	BEAMS.		
State if Frame Joggled	No.	✓	Uppermost Continuous Deck, amidships	5 3 30	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED	✓	" " Wells, Angle, E or F		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			" " OIL FUEL BUNKERS in way of Bridge, Angle, E or F	6 3 30	✓
SINGLE BOTTOM.			" " Spacing	21"	✓
Floors, Depth and thickness at mid-line in Holds IN BOILER ROOM	18" x 30	✓	" " HALF BEAMS IN ENG. RM. BLD. RM. F	4 3 30	✓
" " Height of Brackets at side above base line at toe of frame	NONE	✓	Second Deck, amidships, Angle, E or F	4 3 34	✓
Middle Line Keelson, on Floors, Angles, E or F	12" x 4" x 4" x 36 lbs	✓	Spacing		
" " Through Plate or Inter-costal Plate			Third Deck, amidships, Angle, E or F		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, E or F		
BILGE			Spacing		
Side Keelson, No. each side	ONE	✓	Poop Deck, Angle, E or F		
" " thickness of Inter-costal Plate	✓		Spacing		
" " Angles	5 4 40	✓	Bridge Deck, Angle, E or F		
" " IN BOILER ROOM	5 4 50	✓	Spacing		
DOUBLE BOTTOM.			Forecastle Deck, Angle, E or F		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?					
Bracket Floors, breadth and thickness at middle line					
" " breadth and thickness at margin plate					



## 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.
<b>PILLARS, No. of Rows</b> .....		ONE	✓	Stringer Plate, breadth and thickness in way of Bridge .....			
„ in 'tween Decks, <sup>FORWARD</sup> Size and Spacing .....	2 1/2" DIAR - 4'6"		✓	Thickness of Plating abreast Deck openings in way of Wells .....			
„ „ „ „ „		✓		Thickness of Plating abreast Deck openings in way of Bridge.....			
„ in Holds „ „ „		✓		Thickness of Plating within line of openings...			
„ „ „ „ „		✓		If Sheathed, material and thickness.....			
<b>Centre Line Bulkhead.</b>		✓		<b>Third Deck.</b>			
Stiffeners and Spacing .....		✓		Stringer Plate, breadth and thickness.....			
Plating, thickness of .....				If Plated, state thickness .....			
<b>STRINGERS AND DECKS.</b>				<b>Fourth Deck.</b>			
<b>Uppermost Continuous Deck.</b>				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells	60" x 35		✓	If Plated, state thickness.....			
„ „ „ „ in way of Bridge		✓		<b>Poop Deck.</b>			
„ Angle in Wells .....	3 3 35		✓	Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings } in way of Wells <b>BOILER ROOM</b> .....	35	✓		Plating, Sheathing, material and thickness ..			
Thickness of Plating abreast Deck openings } in way of Bridge <b>ENGINE ROOM</b> .....	30	✓		<b>Bridge Deck.</b>			
Thickness of Plating within line of openings... <b>IN WAY OF ACCOMMODATION FORWARD</b>	25	✓		Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness.....	5" x 2 1/2" D.F.R.		✓	Plating, Sheathing, material and thickness ..			
<b>Second Deck.</b>		✓		<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells				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.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.	
<b>GARBOARD</b>													
<del>Flat Plate Keel</del> .....	37 1/2	35	35	35		DOUBLE	3/4	6 R. R.	DOUBLE	3/4	2 5/8"	STRAPPED	
„ Dblg. (if any)	✓	✓				✓			✓				
Bottom Plating, No. of } Strakes 2.....	B 55 1/2	34	30	30		SINGLE	3/4	6 R.	DOUBLE	3/4	2 5/8	LAPPED	
Bilge Plating, No. of } Strakes 1.....	C 61	34	30	30		"	"	"	"	"	"	"	
	D 62	34	30	30		"	"	"	"	"	"	"	
Side Plating, No. of } Strakes .....	✓	✓				✓			✓				
Upper Deck, Sheer- strake in Wells.....	F 42 1/2	40	35	35		DOUBLE	3/4	6 R. R.	DOUBLE	3/4	2 5/8	STRAPPED	
Upper Deck, Sheer- strake in Bridge ...	✓	✓				✓			✓				
Strake below Sheer- strake in Wells.....	53 1/2	36	30	30		SINGLE	3/4	6 R.	DOUBLE	3/4	2 5/8"	LAPPED	
Strake below Sheer- strake in Bridge ...	✓					✓			✓			✓	
Poop Side Plating.....	✓					✓			✓			✓	
Bridge Side Plating.....	✓					✓			✓			✓	
Forecastle Side Plating	✓					✓			✓			✓	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<u>W.T. BULKHS.</u>	<u>O.T. BULKHS.</u>
Extending to Upper Deck (Sec. 3 c)	3 ✓	2
„ Deck next below	3	
As per Rule	3	

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT BAR	7" x 1 1/4"	APPLEBY	FROD STEEL CO.
STEM	" "	7" x 1 1/4"	"	" "
STERN FRAME	{ Propeller Post ..... Rudder " .....	FORGING 7" x 3" " 5 1/2 x 3" AND AS APPROVED	T.S. FORSTER & SONS LD.	" "
Speed of Vessel		12 KNOTS		
RUDDER—Type		DOUBLE PLATE		
" A x D.....		111-6		
" Diam. of head		6"	T.S. FORSTER & SONS LD	
" Mainpiece at top pintle		6 1/2" x 4 1/2"	"	"
" " heel		3 1/2" x 4 1/2"	"	"
" how constructed		FORGED & BUILT.		
" double or single plate		DOUBLE PLATE		
" 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.  
STEEL PLATES:- APPLEBY-FRODINGHAM STEEL CO.LD. DORMAN, LONG & CO.LD. CONSETT IRON CO.LD.  
SECTIONS:- DORMAN, LONG & CO.LD. APPLEBY-FRODINGHAM STEEL CO.LD. CONSETT IRON CO.LD.  
 Has the Steel been tested as required by the Rules? Yes. ✓



EQUIPMENT No. ✓												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.	Cwts.	qrs.				lbs.		
60306	1st Bower	7	0	24	STOCKLESS			9	9	1	14	✓	7 1/4 ✓	BRITANNIC (CAST STEEL HEAD)	R. SYMES & SON	CRADLEY HEATH			
60307	2nd "	6	2	21	"			9	0	0	0	✓	6 1/2 ✓	" " "	" " "	11.7.45 W.V. NORMAN ✓			
	3rd "																		
✓	Collective weight	13	3	17	✓								13 3/4 ✓						
	Stream		✓									✓							
HANGERS AND WARPS																			

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.	Ins.		Fathoms	Ins.	Tons.
	Fathoms	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms	Ins.					Fathoms	Ins.	Tons.	Fathoms	Ins.	
09943	150	1 1/16	20 3/10	30 4/10	86 - 2 - 21		105	1 1/16	STUD LINK	R. SYMES & SON	CRADLEY HEATH 3.7.45 W.V. NORMAN	TOWLINE	60	6		60	6	
												HAWSERS & WARPS }	60	5		60	5	
													& TO OWNERS REQUIREMENTS.					
		Cir.																
Iron Stream Chain or Steel Wire }	✓	✓																

Steering Gear, Type (Power ~~or hand~~) STEAM - DONKIN & CO. LD. Alternative Means of Steering TILLER WITH BLOCKS & TACKLE

Steering Chains (Size and Test) 7/8" DIAR - 9 1/8 TONS. LPHCH. 52275 Windlass STEAM - EMERSON, WALKER LD. Boats 2 LIFEBOATS 19'0"

Ceiling in Holds, thickness and material WOOD GRATINGS - 1 1/2" DOUGLAS FR. Cargo Battens, thickness, material and spacing NONE

Cargo Hatchways. (Upper Deck) NONE Thickness of Hatches ✓

Size of Hatchway AFT. 5'0" x 3'0" No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓

Builder's Signature V. Bray 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 Yes.

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

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.

Fore & after peak tanks, boiler feed tank, water ballast tank and oil fuel tanks have been tested to rule requirements and found in order. Flash point of oil fuel 150° F.

Oil fuel tanks are situated between the engine & boiler spaces.

Decks, casings, watertight bulkheads, hatchways & shell plating clear of tanks hoist tested and found in order.

Supervision of the specification has been carried out.

Windlass and steering arrangements tried under working conditions and found satisfactory.

A freeboard has been assigned, the marks cut in on the vessel's sides and verified.

The amount of Entry Fee.....	£ 3 : 0 : 0	Fees applied for, <u>28 DEC 1946</u>
FREBOARD FEE	£ 4 : 0 : 0	
Special Survey Fee.....	£ 29 : 12 : 0	Received by me, 19
SUPERVISION OF SPECIFICATION	£ 7 : 8 : 0	
Travelling Expenses, if any	£ 4 : 15 : 5	

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

I am of opinion the Vessel should be Classed \* 100 A-1.  
FOR TOWING SERVICES.

State whether the Vessel has been built under Special Survey Yes

Signature J. Macleod  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Hull.

Date of issue 13/2/46

Committee's Minute

Character assigned

FRI. 11 JAN 1946

\* 100A1 For Towing Services

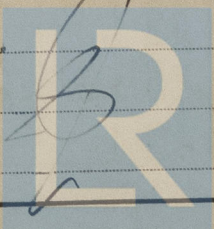
Fitted for oil fuel 12.45 F.P. above 150° F

Lloyd's A.I.C.P.

LMC (R) 12.45

F.D. O.G.

Wale & Co.  
Hull.



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Lloyd's Register Foundation

0091 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.)

The approved plans are being retained for reference in dealing with sister-vessels under construction.

The following reports are enclosed.

Stemframe. Sld. Rpt. No 3289.  
Rudder frame + rudder head. " " "4867.

Copy of completion and interim certificates (H + M), and steering chain test certificate are enclosed.

This vessel is a sister ship to "EMPIRE MARTHA" - Hull Report No 53200.

PARTICULARS OF ELECTRIC WELDING (if employed)

W.T. flats electrically welded at ship's sides.

Approved electrodes used.

SPECIAL NOTATIONS :—Either as part of the vessel's class or for record in the Register Book.

\* 100 A.I.

FOR TOWING SERVICES.

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

1st Bower

4-1-26 incl cup & pins.

D. J. M.

5776

14-6-45

2nd "

3-3-18 " " "

D. J. M.

5693

13-6-45

3rd "

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 or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 180466

Signal Letters ☒

Extreme Breadth over Belting 29.4 ft.  
(Circ. 1611)

Over-all Length 123.5 ft.  
(Circ. 1703)

No. and Material of Decks 1 DK (STL).

Parts of Bottom of Vessel coated with cement or approved composition. Bottom coated with cement.

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,			Fore peak tank,	10'-6"	5 1/2
Double bottom, under Engines and Boilers,			After peak tank,	10'-6"	27
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, BALLAST TANK FORWARD	6'-0"	12 1/2
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No 3459

Date 7th September 1944

Dates of Surveys held while building

1944. Dec. 9. 13. 15. 20. 22. 29. 1945. Jan. 5. 10. 17. 19. Feb. 5. 9. 12. 15. 19. 22. 26. Mar. 1. 5. 8. 13. 16. 20. 28. 30. April. 6. 9. 12. 17. 19. 23. 25. 26. May. 1. 4. 7. 11. 14. 18. 28. 31. June 20. 22. 27. July 3. 4. 9. 11. 18. Aug. 27. 30. Sept. 7. 17. 19. 25. Oct. 3. 9. 11. 15. 18. Oct. 25. 29. Nov. 1. 7. 15. 20. 21. 24. 26. Dec. 3. 5. 11. 12

Total No. of Visits 73