

Rpt. 1

RECEIVED

13 MAY 1944

IN D.O.

STEEL STEAMER OR MOTORSHIP.

(TUG)

Received at London Office

18 MAY 1944

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 May 1944Port of HullNo. 52431Survey held at Selly and HullDate First Survey 10th Sept 1943Last Survey 10th May 1944

1944

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel single screw tug "EMPIRE BETSY"State Type (Full Standing, Complete Superstructure with or without Tonnage Openings) Full scantlingState Type of Erections NoneTONNAGE under Tonnage Deck ... 226.11CLASS A-1State if with freeboard as condition of Class No.Built at SellyDo. 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) 105'-0"Launched 14th December 1943 Yard No. 1280Total 226.11Breadth (greatest moulded) 26'-6"Builders Messrs. Lochrane & Sons LtdGross Tonnage 274.35Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 13'-0"Owners The Ministry of War TransportRegister Tonnage Nil1st Longitudinal Number (L x D) 1365Managers ✓

(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

FEET

Length 105.2Breadth 26.65Depth 12.25Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.58Proportions—Depth to Length—Uppermost continuous deck to top of keel 8.1Do. Long Bridge to top of keel ✓Draught Moulded 11'-9 1/4"Residence ✓Port of Registry Hull

If surveyed while building, afloat, or in dry dock

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		
" " from 1/3 length amidships to Collision bulkhead	21 ✓		" " Reversed Frame		
" " in peaks	21 ✓		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, <u>E or F</u>	5 3 36 ✓		" " top Angles		
" IN BOILER ROOM & BUNKERS <u>✓</u>	5 3 42 ✓		" " bottom Angles		
" Extends up to <u>UPPER DECK</u>			Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle <u>2 1/2 2 1/2 30</u>			Margin Plate depth (excl. of flange) and thickness		
" Extends up to <u>ACROSS FLOORS</u>			" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Depth of Framing Girder <u>5"</u>			" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E or F</u>			" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" Second 'tween Decks, Angle, <u>E or F</u>			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" Third " " " "			Tank Side Brackets, height above base line at toe of Frame and thickness		
" from 1/2 len. for'd. to 15% len. from Stem			INNER BOTTOM PLATING.		
" in Peaks, Angle <u>E or F</u>	5 3 36 ✓		Breadth and thickness of Middle Line Strake		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 5/4" ✓		Thickness of remainder in Holds		
State if Frame Joggled	<u>No.</u>		Are Rule requirements complied with regarding increases of scantlings in way of <u>double</u> bottom in E. & B. space and framing in Bunkers and Boiler Room? <u>Yes. ✓</u>		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>AS APPROVED</u>		BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Uppermost Continuous Deck, amidships in Well, Angle, <u>E or F</u>	5 3 34 ✓	
SINGLE BOTTOM.			" " in way of Bridge, Angle, <u>E or F</u>	4 3 34 ✓	
Floors, Depth and thickness at mid-line in Holds	17" x 30" ✓		" HALF BEAMS IN WAY <u>✓</u>		
Height of Brackets at side above base line at toe of frame	<u>NONE</u>		BOILER ROOM & BUNKERS <u>✓</u>		
Middle Line Keelson, on Floors, Angles, <u>E or F</u>	12" x 4" x 36 lbs ✓		Spacing	21 ✓	
" " Through Plate or Inter-costal Plate	✓		Second Deck, amidships, Angle, <u>E or F</u>		
" " Foundation Plate on Floors	✓		Spacing		
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, <u>E or F</u>		
Side Keelsons, No. each side	<u>ONE</u>		Spacing		
" thickness of Inter-costal Plate	✓		Fourth Deck, amidships, Angle, <u>E or F</u>		
" Angles <u>5 4 38</u>			Spacing		
" " IN BOILER ROOM <u>5 4 48</u>			Poop Deck, Angle, <u>E or F</u>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Bridge Deck, Angle, <u>E or F</u>		
" Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, <u>E or F</u>		
" breadth and thickness at margin plate			Spacing		

(MADE IN ENGLAND.)

W1008-0065/2

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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			
" ACCOMMODATION FORWARD in 'tween Decks / Size and Spacing		see plan		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.....			
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing				Stringer Plate, breadth and thickness.....			
Plating, thickness of				If Plated, state thickness			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells		60 x 35	✓	If Plated, state thickness.....			
" " " " in way of Bridge		✓		Poop Deck.			
" Angle in Wells		3 3 35	✓	Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings in way of Wells ENGINE CASING		30	✓	Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of BRIDGE BOLLER CASING		35	✓	Bridge Deck.			
Thickness of Plating within line of openings...		30 - 25	✓	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		✓		Stringer Plate, breadth and thickness.....			
				Plating, Sheathing, material and thickness...			

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)..... 4 ✓

„ Deck next below..... ✓

As per Rule..... 4.

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	ROLLED	7" x 1 1/4"	APPLEBY-FRODINGHAM	
STEM	"	7" x 1 1/4"	STEEL CO. LD.	
STERN FRAME { Propeller Post	FORGED	5 1/2 x 2 1/2	T. S. FORSTER &	
{ Rudder	"	5 1/2 x 2 1/2	SONS LTD.	
Speed of Vessel		11 KNOTS		
RUDDER—Type		ORDINARY SINGLE PLATE.		
" A x D		82.5		
" Diam. of head		5 7/8"		
" Mainpiece at top pintle		5 1/2"		
" " heel		4"		
" how constructed		FORGED & BUILT.		
" double or single plate		SINGLE		
" 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

PLATES:- CONSETT IRON CO. LD. APPLEBY-FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD.

SECTIONS:- DORMAN, LONG & CO. LD. CARGO FLEET IRON CO. LD. SKINNING ROVE 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.						
57751	1st Bower ...	7	0	18	STOCKLESS			9	7	0	21	✓	6 2	BRITANNIC (CAST STEEL HEAD)		RICHARD SYMES & SON		CRADLEY HEATH	
57752	2nd „ ...	6	1	7	✓	u		8	12	2	0	✓	6	" " "		" " "		" " "	
	3rd „ ...																		
	Collective weight	13	1	25	✓								12 5						
	Stream																		

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.	Statury.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Ins.	Length.		Ins.	Length.	Ins.
	Fathoms	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms	Ins.				Fathoms	Ins.	Tons.	Fathoms	Ins.	
68301	75½	1	18	27	40-1-16					STUD	R SYKES & SON	CRADLEY HEATH S. S. 44. W. V. NORMAN	TOWLINE	90	12	MANILA			
68302	45⅙	1	18	27	24-1-2				90	1	LINK	" " "	" " "	HAWSERS & WARPS	2290	5	"	60	6
19353	30½	1	18	27	16-1-0						NOT STATED	S. S. 44. A. GREEN.	"	90	4	"	60	4½	
		Cir.								Cir.			"	120	2½				
Iron Stream Chain or Steel Wire	✓	✓			80 3-18			✓	✓	✓			"						

Steering Gear, Type (Power ~~For 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. Windlass STEAM - EMERSON, WALKER LD. Boats 2 LIFEBOATS.

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

Cargo Hatchways. (Upper Deck) NONE Thickness of Hatches 3"

Size of Hatchways No. 1 (Fwd.) ✓ No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓ **FOR COCHRANE & SONS, LTD.**

Builder's Signature V. Gray 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 supervision of the specification has been carried out.

The materials and workmanship are good.

Fore & after peak tanks, boiler feed 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 etc, hoist tested and found in order.

Windlass & steering gear arrangements tried under working conditions and found in order.

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, 19.

FREEBOARD FEE £ 4 : 0 : 0 } 19.

Special Survey Fee..... £ 27 : 8 : 0

SUPERVISION OF SPECIFICATION £ 6 : 17 : 0 } Received by me, 19.

Travelling Expenses, if any..... £ 5 : 9 : 3 } 19.

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

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

"FOR TOWING SERVICES".

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

Signature M. Macleod

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Hull.

Date of issue 19/6/44

Committee's Minute

Character assigned

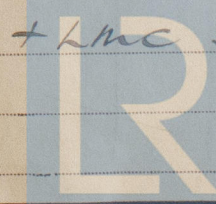
THURS 25 MAY 1944

+100 A1

For Towing Services

Fitted for oil fuel S. 44 F.P. above 150°F

Lloyd's Register



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W1008-0065 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 herewith:-

Stemframe Sld. Rpt No 739.

Rudder frame + rudder head. " " " 874.

Copy of completion and interim certificates also steering chain test certificate are enclosed herewith.

This vessel is a sister ship to Messrs Bocheane & Sons Ltd yard No 1279 - "EMPIRE SYLAS" - Hull Rpt No 52415.

PARTICULARS OF ELECTRIC WELDING (if employed)

W.T. plate 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

4.1.20 w.t. cup spurs.

A.E.G.

8808.

8.7.43.

2nd "

3.3.17 " " "

A.E.G.

9094.

2.9.43.

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. 180248

Signal Letters

Extreme Breadth over Belting 28.4/16

(Circ. 1611)

Over-all Length 111.7 ft.

(Circ. 1703)

No. and Material of Decks 1 Dk (Stl)

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

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.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,				Fore peak tank,	8'6"	5	
Double bottom, under Engines and Boilers,				After peak tank,	9'2"	20	
Double bottom, if under Engines only,				Deep tank, aft,			
Double bottom, if under Boilers only,				Deep tank, forward,			
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. 2384

Date 20th July 1943.

Dates of Surveys held while building

1943: Sept. 10. 15. 17. 21. 24. 28. Oct. 4. 8. 11. 14. 22. 25. 28. Nov. 5. 8. 12. 16. 25.
Dec. 1. 6. 9. 10. 13. 16. 31. 1944: Jan. 3. 7. 10. 12. 26. 28. 31. Feb. 7. 11. 14. 16.
Mar. 18. 21. 25. March 3. 15. 16. 20. 23. April 4. 5. 13. 15. 19. 25. 27.
May 4. 10

Total No. of Visits 53

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