

Rpt. 1.

STEEL STEAMER or MOTORSHIP (TUG)

Received at London Office

17 AUG 1946

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 June 1946

Port of *Shell*No. *53634*Survey held at *Selly and Shell*Date First Survey *22nd July 1945*Last Survey *5th July 1946*

SECTION the (State if Machinery fitted Aft and

Steel single screw tug "NEREIDIA" EX "EMPIRE HELEN"

No.

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

*Full scantling*State Type of Erections *None*

TONNAGE under Tonnage Deck

*226.68*CLASS **100 A-1*State if with freeboard as condition of Class *No*Built at *Selly*

No. 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 105'0"*Launched *11th July 1945*Yard No. *1307*

Total

226.68

Breadth (greatest moulded)

*B 26'6"*Builders *Bochane & Sons Ltd*

Gross Tonnage

274.92

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

*D 13'0"*Owners *Overseas Hovage & Salvage Co. Ltd.*

Register Tonnage

Nil

1st Longitudinal Number (L x D)

= 1365

Managers

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

REGISTERED DIMENSIONS. FEET.

Length

105.1

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

*11.58*Residence *London*

Breadth

26.65

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

*8.1*Port of Registry *London*

Depth

12.25

Do. Long Bridge to top of keel

✓

If surveyed while building, afloat, or in dry dock

Draught Moulded

*11'9 3/4"**Whilst building and 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	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, <i>E or F</i>	5 3 -36 ✓		" " top Angles		
" IN BOILER ROOM & BUNKER <i>✓</i>	5 3 -42 ✓		" " bottom Angles		
" " Extends up to	UPPER DECK		Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle	2 1/2 x 2 1/2 -30 ✓		Margin Plate depth (excl. of flange) and thickness		
" " Extends up to	ACROSS FLOORS		" " Vertical Angle to Tank side		
Depth of Framing Girder	5" ✓		" " Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>			" " Vertical Angle to Tank side		
" " Second 'tween Decks, Angle, <i>E or F</i>			" " Bracket from forward 1/2 len. from stem to Panting Area		
" " Third " " " "			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " from 1/2 len. for'd. to 15% len. from Stem			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " in Peaks, Angle <i>E or F</i>	5 3 -36 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 5/4" ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	No. ✓		Breadth and thickness of Middle Line Strake		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?			Thickness of remainder in Holds		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in B. & B. space and framing in Bunkers and Boiler Room?	<i>Yes</i> ✓	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line	17" x 30 ✓		Uppermost Continuous Deck, amidships	5 3 -34 ✓	
Holds	NONE ✓		" " in Way, Angle, <i>E or F</i>		
Height of Brackets at side above base line at toe of frame			" " HALF BEAMS IN WAY OF BOILER ROOM & BUNKERS <i>✓</i>	4 3 -34 ✓	
Middle Line Keelson, on Floors, Angles, <i>E or F</i>	12" x 4" x 36 LBS ✓		Spacing	21 ✓	
" " Through Plate or Intercoastal Plate	✓		Second Deck, amidships, Angle, <i>E or F</i>		
" " Foundation Plate on Floors	✓		Spacing		
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, <i>E or F</i>		
Side Keelsons, No. each side	ONE ✓		Spacing		
" " thickness of Intercoastal Plate	✓		Fourth Deck, amidships, Angle, <i>E or F</i>		
" " Angle	5 4 -38 ✓		Spacing		
" " IN BOILER ROOM	5 4 -48 ✓		Poop Deck, Angle, <i>E or F</i>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Bridge Deck, Angle, <i>E or F</i>		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, <i>E or F</i>		
" " breadth and thickness at margin plate			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.
	ONE	TWO			ONE	TWO	
PILLARS , No. of Rows.....	ONE	✓					
(ACCOMMODATION FORWARD)							
" in 'tween Decks, Size and Spacing.....	2 1/2" DIAR.	42"	✓				
" " " " " "							
" in Holds " " " "							
" " " " " "							
Centre Line Bulkhead.							
Stiffeners and Spacing.....							
Plating, thickness of							
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells	60x	35	✓				
" " " " in way of Bridge			✓				
" Angle in Wells	3	3	35	✓			
Thickness of Plating abreast Deck openings in way of Wells BOILER CASING		35	✓				
Thickness of Plating abreast Deck openings in way of Bridge ENGINE CASING		30	✓				
Thickness of Plating within line of openings...	30	25	✓				
If Sheathed, material and thickness		✓					
Second Deck.							
Stringer Plate, breadth and thickness in Wells...		✓					
Stringer Plate, breadth and thickness in way of Bridge							
Thickness of Plating abreast Deck openings in way of Wells							
Thickness of Plating abreast Deck openings in way of Bridge							
Thickness of Plating within line of openings...							
If Sheathed, material and thickness							
Third Deck.							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness.....							
Fourth Deck.							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness							
Poop Deck.							
Stringer Plate, breadth and thickness							
Plating, Sheathing, material and thickness ...							
Bridge Deck.							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness ...							
Forecastle Deck.							
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? <i>Yes.</i>			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.		
GARBOARD												
PLATE PLATE KEEL	<i>37</i> ✓	<i>34</i> ✓	<i>34</i> ✓	<i>34</i> ✓		<i>DOUBLE</i>	<i>3/4</i> ✓	<i>6 R.R.</i> ✓	<i>DOUBLE</i>	<i>3/4</i> ✓	<i>2 7/8</i> ✓	<i>STRAPPED</i>
„ DELG. (if any)	✓	✓				✓			✓			
BOTTOM PLATING, No. } of Strakes <i>2</i>	<i>57</i> ✓	<i>32</i> ✓	<i>30</i> ✓	<i>30</i> ✓		<i>SINGLE</i> ✓	<i>3/4</i> ✓	<i>6 R.</i> ✓	<i>DOUBLE</i> ✓	<i>3/4</i> ✓	<i>2 7/8</i> ✓	<i>LAPPED</i>
BILGE PLATING, No. of } Strakes <i>1</i>	<i>56 1/2</i>	<i>34</i> ✓	<i>30</i> ✓	<i>30</i> ✓		<i>"</i>	<i>"</i> ✓	<i>"</i> ✓	<i>"</i> ✓	<i>"</i> ✓	<i>"</i> ✓	<i>"</i> ✓
SIDE PLATING, No. of } Strakes	✓	✓				✓			✓			
UPPER DECK, Sheer- } strake in Wells.....	<i>42</i> ✓	<i>40</i> ✓	<i>35</i> ✓	<i>35</i> ✓		<i>DOUBLE</i> ✓	<i>3/4</i> ✓	<i>6 R.R.</i> ✓	<i>DOUBLE</i> ✓	<i>3/4</i> ✓	<i>2 7/8</i> ✓	<i>STRAPPED</i>
UPPER DECK, Sheer- } strake in Bridge ...	✓	✓				✓			✓			
STRAKE BELOW Sheer- } strake in Wells.....	<i>55 1/2</i> ✓	<i>35</i> ✓	<i>30</i> ✓	<i>30</i> ✓		<i>DOUBLE & SINGLE</i> ✓	<i>3/4</i> ✓	<i>6 R.R. ETC.</i> ✓	<i>DOUBLE</i> ✓	<i>3/4</i> ✓	<i>2 7/8</i> ✓	<i>LAPPED.</i>
STRAKE BELOW Sheer- } strake in Bridge ...												
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING												

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

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

Extending to Upper Deck (Sec. 3 c)	3	✓
" Deck next below	✓	
As per Rule	3	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
" " Second	ON FRAME N ^o 13 ✓				
" " (WT. FLAT TO UPPER DECK)	26 ✓	4x3-30" Γ	30 ✓		
" " Third					
" " ON FRAME N ^o 14 ✓	41. 34-26 ✓	4x3-38-30 Γ	24"x30"	WT. FLAT. ✓	
" " Holds					
COLLISION " " (in Hold)	5.5 34-26 ✓	3x3-38-30 Γ	24"	PEAK TANK TOP ✓	
AFTER PEAK " " "	5. 43-30 ✓	5x3-34" ✓ 4x3-30" Γ	24" ✓	STEEL PLAT. ✓	

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	ROLLED	7x1 1/4	APPLEBY-FRODINGHAM S. CO. LD.	
STEM	"	7x1 1/4	"	
STERN FRAME { Propeller Post	FORGED	5 1/2 x 2 1/2	T.S. FORSTER	
{ Rudder "	"	5 1/4 x 2 1/2	& SONS LTD.	
Speed of Vessel		11 KNOTS	✓	
RUDDER—Type		ORDINARY SINGLE PLATE TYPE.	✓	
" A x D		82.5	✓	
" Diam. of head		5 7/8	T.S. FORSTER	
" Mainpiece at top pintle		5 1/2	& SONS LTD.	
" " heel ...		4	✓	
" how constructed		FORGED & BUILT.	✓	
" double or single plate		SINGLE 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. ✓

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

SECTIONS:—DORMAN, LONG & CO. LD. SKINNINGGROVE IRON 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			Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.				
60794	1st Bower ...	6	2	12	STOCKLESS			8	17	2	0	✓	"BRITANNIC" CAST STEEL HEAD " " " " " "	R. SYKES & SONS
60796	2nd " ...	6	0	14	✓			8	7	2	0	✓		
	3rd " ...													
	Collective weight.	12	2	26	✓									
✓	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.	Stann- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
70254	150 ✓	1 ✓	18 ✓	27 ✓	82-1-10 ✓	46 ✓	90 ✓	1 ✓	STUD LINK.	R. SYKES & SON.	CRADLEY HEATH 18-9-1945 W.V. NORMAN. ✓	TOWLINE...	120 ✓	16 ✓	MANILA ✓				
Iron Stream Chain or Steel Wire }	✓	✓										HAWSERS & WARPS }	150 ✓	4 1/2 ✓		60 ✓	6 ✓		
												"	30 ✓	2 ✓		60 ✓	4 1/2 ✓		
												"	15 ✓	2 3/4 ✓					
												"	2 TO OWNERS REQUIREMENTS.						

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" DIAM. 9 1/8 TONS. 52979 & 53472 ✓ Windlass STEAM- EMERSON, WALKER LTD ✓ Boats TWO LIFEBOATS. ✓

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

Cargo Hatchways.-(Upper Deck) ✓ Thickness of Hatches ✓

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 ✓

Builder's Signature [Signature] 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 & 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, and oil fuel tanks have been tested to rule requirements and found in order. ✓ Flash point of oil fuel above 150°F. ✓

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

Decks, casings, watertight bulkheads, hatchways &c. have been tested and found in order ✓

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

The supervision of the specification has been carried out. ✓

A freeboard has been assigned, the marks cut in on the vessels sides and verified ✓

The amount of Entry Fee £ 3 : 0 : 0 Fees applied for [Stamp]

FREEBOARD " £ 4 : 0 : 0

Special Survey Fee.... £ 27 : 10 : 0

SUPERVISION OF SPECIFICATION £ 6 : 17 : 6 Received by me, [Signature]

Travelling Expenses, ~~£~~ £ 4 : 19 : 3

(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 [Signature]

Certificate to be sent to hull Date of issue 6/9/46 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 6 SEP 1946

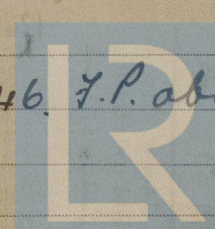
Character assigned + 100 A1 For Towing Services

Flags A & C.P.

+ L.M.C. 7.46

O.G.

Fitted for oil fuel 7.46. F.P. above 150°F



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 a sister-vessel under construction.

The following reports are enclosed herewith.

Kemframe. Ald Rpt. No 4778
Rudder frame + rudder head " " 4919.

Copy of steering chain test certificate is enclosed.

This vessel is a sister ship to "EMPIRE BARBARA" - Hull Rpt No 52761.

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.1.

FOR TOWING SERVICES. ✓

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

1st Bower

4-0-16 inch cup & pins.

A.E.G.

5522.

4-6-45

2nd "

3-2-14 ✓ " " "

A.E.G.

5515.

4-6-45

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. 180889.

Signal Letters ✓

Extreme Breadth over Belting
(Circ. 1611)

28-4 ft. ✓

Over-all Length
(Circ. 1705)

111-7 ft. ✓

No. and Material of Decks 1 OK (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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	8'-4"	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. 3468

Date 14th January 1945.

Dates of Surveys
held while building

1945:- 4 Feb 22-26. Mar 1-5-8-13-16-20-28-30. Apr 6-9-12-17-19-23-26. May 1-7-11-18-25-31.
June 12-15-20-22-27. July 3-9-11-18-26. Aug 9-24-31. Sept 5-18-20-26. Oct 16. Nov 7.
Dec 13. 1946. 4 Feb 5-12. Mar 21-27. Apr 18. May 22-24-28-29. June 7-12.

Total No. of Visits 54.