

RECEIVED

15 OCT 1943

IN D.O.

STEEL STEAMER ~~MOTORSHIP~~

Received at London Office

14 OCT 1943

State if Report has been sent on the Freeboard of the Vessel NoState if Report is sent on the Machinery of the Vessel YesDate of completion of report 30<sup>th</sup> SEPTEMBER 1943. Port of HULL. No. 52178.Survey held at THORNE. Date First Survey 23<sup>rd</sup> September, 1942. Last Survey 29<sup>th</sup> SEPTEMBER. 1943On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SCREW TUG. "EMPIRE PERCY"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections FLUSH DECK.TONNAGE under Tonnage Deck ... 131.0Do. of space or spaces between Tonnage Dk. and Upper Dk. -al. 131.0ss Tonnage 137.54ister Tonnage NIL

## REGISTERED DIMENSIONS.

FEET

gth 94.1adth 21.3th 9.75CLASS 100A.1.

"FOR TOWING SERVICE"

State if with freeboard as condition of Class NoLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 93.75Breadth (greatest moulded) 21.25Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 10.51st Longitudinal Number (L x D) 9852nd Numeral L x (B + D) 2976Framing Depth "d," at middle of length. See Sec. 3 (1d) -Proportions—Depth to Length—Uppermost continuous deck to top of keel 8.93Do. Long Bridge to top of keel -Draught Moulded -Built at THORNE.Launched 19<sup>th</sup> JUNE 1943. Yard No. 384Builders RICHARD DUNSTON LTDOwners MINISTRY OF WAR TRANSPORT.Managers -

(Where necessary to be entered in Reg. Book)

Residence LONDON.Port of Registry GOOLE.

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 $\frac{3}{4}$ 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>4 2½ 32</u>			" " top Angles .....		
" " <u>BOILER ROOM AND BULKHEAD</u> <u>4 2½ 38</u>			" " bottom Angles.....		
" " Extends up to <u>DECK</u>			Side Girders, No. each side and thickness.....		
Reversed Frame Amidships, Angle <u>2½ 2½ 26</u>			Margin Plate depth (excl. of flange) and thickness .....		
" " <u>2½ 2½ 36</u>			" " Vertical Angle to Tank side		
" " Extends up to <u>PAINTED FLOORS</u>			" " Bracket abaft $\frac{1}{4}$ len. from stem .....		
Depth of Framing Girder.....	4' ✓		" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, [ or [ .....			" " Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " Second 'tween Decks, Angle, [ or [ .....			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		
" " Third .....			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area .....		
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem .....			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle <u>4 2½ 32</u>			INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	<u>5/8" - 4½"</u>		Breadth and thickness of Middle Line Strake...		
State if Frame Joggled.....	No		Thickness of remainder in Holds .....		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	<u>TUG</u>		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?.....		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....			BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in		
Floors, Depth and thickness at mid-line in Holds.....	<u>14" x 26</u>		Wells, Angle, <u>4 2½ 32</u>		
Height of Brackets at side above base line at toe of frame.....	<u>14" x 36</u>	<u>IN BOILER ROOM.</u>	" " in way of Bridge, Angle, <u>4 2½ 30</u>		<u>½ BEAM.</u>
Middle Line Keelson, on Floors, Angles, <u>3½ 3 38</u>		<u>DOUBLE</u>	" " <u>3 2½ 30</u>		<u>½ "</u>
" " Through Plate or Inter-costal Plate .....	<u>15" x 28</u>	<u>each side</u>	Spacing .....	<u>21</u>	
" " Foundation Plate on Floors .....	<u>12" x 42</u>		Second Deck, amidships, Angle, [ or [ .....		
" " Flat Plate Keel Angles <u>3½ 3½ 40</u>		<u>DOUBLE</u>	Spacing .....		
Side Keelsons, No. each side.....	<u>ONE</u>		Third Deck, amidships, Angle, [ or [ .....		
" " thickness of Inter-costal Plate.....	<u>5 4 48</u>	<u>BOILER ROOM.</u>	Spacing.....		
" " Angles .....			Fourth Deck, amidships, Angle, [ or [ .....		
DOUBLE BOTTOM.			Spacing.....		
Solid Floors, thickness and spacing .....			Poop Deck, Angle, [ or [ .....		
Are Frame and Reversed Frame joggled? .....			Spacing.....		
Bracket Floors, breadth and thickness at middle line .....			Bridge Deck, Angle, [ or [ .....		
" " breadth and thickness at margin plate.....			Spacing.....		
			Forecastle Deck, Angle, [ or [ .....		
			Spacing.....		



## PILLARS AND DECKS.

[illegible]

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks						
	Second					
	Third					
	Holds					
	(in Hold)					
COLLISION						
AFTER PEAK						

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Particular from Approved Plans to be Noted
KEEL, Bar	ROLLED BAR	5 1/2 x 1	APPLEBY FRODINGHAM	STEEL.
STEM	ROLLED BAR	5 1/2 x 2 1/2	MATERIAL BY APPLEBY FRODINGHAM	
STERN FRAME	ROLLED BAR	5 1/2 x 2 1/2	FORM OF WELDED CONST. BY SHIPBUILDERS AND ASSEMBLED BY T. BARN J. ARROW. SHEFFIELD.	
Speed of Vessel	12 KNOTS			
RUDDER—Type	ORDINARY DOUBLE PLATE RUDDER.			
" A x D.	32 1/2 x 1 8/75 = 63 1/6			
" Diam. of head	ROLLED BAR.	5" DIA.	RUDDER OF WELDED CONSTRUCTION.	
" Mainpiece at top pintle	"	"	BY R. DUNSTON LTD	
" " heel	"	"	THORNE.	
" how constructed	ROLLED BAR AND SIDE PLATES.			
" double or single plate coupling, vertical or horizontal	✓	28	✓	✓
		No COUPLING.		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) APPLEBY FRODINGHAM STEEL CO, SOUTH DURHAM STEEL CO, DORMAN LONG & CO, OPEN HEARTH PROCESS.

Has the Steel been tested as required by the Rules? YES.







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.)

This vessel is a sister ship to "EMPIRE LEWIS" Hull F.E. Report No. 52145.

PARTICULARS OF ELECTRIC WELDING (if employed)

STERN FRAME AND RUDDER OF WELDED CONSTRUCTION.  
FORWARD AND AFTER FLATS WELDED TO SHELL AND FRAMES.

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

100% "FOR TOWING SERVICES"

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

1st Bower

2nd

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. Signal Letters Extreme Breadth over Belting 21'-6" Over-all Length 99'-2 1/2"

No. and Material of Decks 100% STEEL

Parts of Bottom of Vessel coated with cement or approved composition BOTTOM CEMENTED BILGE TO BILGE.

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,		
Double bottom, under Engines and Boilers,			After peak tank,	9' 3" + 5' 0" COUNTER	14.25
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	W.B. TANK 19.25	10.5
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.

Date 6.7.42.

Dates of Surveys held while building

1942. Sept 23, Oct 6.28, Nov 3.10.17.24. Dec 1.8.14.17.28. 1943 Jan. 4.13.18.21.  
Feb 1.8.12.22. Mar. 8.10.14.24 Apr. 2.9.16.21.28. May 4.11.19.26.31.  
June 4.10.16.24.30. July 6.9.14.21. Aug 16.19.24.31. Sept 4.10.26.23.29.

Total No. of Visits

52