

RPT. 1 RETAIN STEEL

STEEL STEAMER ~~OR~~ ~~MOTORSHIP~~

Received at London Office.....

State if Report has been sent on the Freeboard of the Vessel. *No*

State if Report is sent on the Machinery of the Vessel.....YES

Date of completion of report 27th January 1944. Port of HULL. No 52309

Survey held at THORNE Date First Survey 23rd September 1949 Last Survey 25th JANUARY 1950

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SCREW TUG "EMPIRE / ILLIPUT"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)..... FULL SCANTLING State Type of Erections FLUSH DECK


TONNAGE under } 131.00
Tonnage Deck ... }

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

Total 131.0

Gross Tonnage 137.54

Register Tonnage *NIL.*

CLASS  100A.1. State if with freeboard } No
FOR TONING SERVICE as condition of Class }

Length from fore part of stem to after part of stern } FEET
post on summer L.W.L. See Sec. 3 (1a) } 93.75

Breadth (greatest moulded) B 21.25

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) } D 10.5

1st Longitudinal Number ($L \times D$)..... = 985 ✓

2nd Numeral $L \times (B + D)$ = 2976 ✓

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel } 8.93 ✓

Draught Moulded

Built at *THORNE*

Launched 10TH NOVEMBER 1943. Yard No 385

Builders *RICHARD DUNSTON/TO*

Owners *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, E F	4 2 $\frac{1}{2}$.32	✓	" " top Angles		
Boiler Room and Bunkers	4 2 $\frac{1}{2}$.38	✓	" " bottom Angles.....		
Extends up to.....	DECK	✓	Side Girders, No. each side and thickness.....		
Reversed Frame Amidships, Angle	2 $\frac{1}{2}$ 2 $\frac{1}{2}$.26	✓	Margin Plate depth (excl. of flange) and thickness		
" " Extends up to	2 $\frac{1}{2}$ 2 $\frac{1}{2}$.36	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
" " Extends up to	ACROSS FLOORS	✓	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
Depth of Framing Girder.....	4'	✓	" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " Second 'tween Decks, Angle, [or [.....			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " Third			INNER BOTTOM PLATING.		
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem			Breadth and thickness of Middle Line Strake...		
" " in Peaks, Angle or E	4 2 $\frac{1}{2}$.32	✓	Thickness of remainder in Holds		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8" - 4 $\frac{1}{2}$ "	✓	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?.....		
State if Frame Joggled.....	No	✓	BEAMS.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	Uppermost Continuous Deck, amidships in	4 2 $\frac{1}{2}$.32	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Wells, Angle, E F	4 2 $\frac{1}{2}$.30	$\frac{1}{2}$ BUNKERS
SINGLE BOTTOM.			" " in way of Bridge, Angle, E F	3 2 $\frac{1}{2}$.30	$\frac{1}{2}$
Floors, Depth and thickness at mid-line in Holds.....	14' .26	✓	Spacing	21'	✓
Height of Brackets at side above base line at toe of frame.....	14' .36	✓	Second Deck, amidships, Angle, [or [.....		
Middle Line Keelson, on Floors, Angles, E F	3 $\frac{1}{2}$ 3 .38	DOUBLE	Spacing		
" " Through Plate or Inter-costal Plate42	✓	Third Deck, amidships, Angle, [or [.....		
" " Foundation Plate on Floors	15' .28	✓	Spacing		
" " Flat Plate Keel Angles	12' .42	✓	Fourth Deck, amidships, Angle, [or [.....		
Side Keelsons, No. each side.....	ONE	✓	Spacing		
" " thickness of Intercoastal Plate.....	✓		Poop Deck, Angle, [or [.....		
" " Angles	5' 4' .48	Boiler Room	Spacing		
DOUBLE BOTTOM.			Bridge Deck, Angle, [or [.....		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Forecastle Deck, Angle, [or [.....		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate.....					

[illegible][illegible]

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

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

„ Deck next below.....

As per Rule.....

	Casting or Forging.	Scantlings.	Maker's Name.	Any Particulars from Approved Plans to be Noted
KEEL, Bar	FLAT PLATE KEEL			
STEM	ROLLED BAR	5 1/2" x 1"	APPLYLEY FRANKLINIAN STEEL CO.	
STERN FRAME { Propeller Post	"	5 1/2" x 1"	MATERIAL BY APPLYLEY FRANKLINIAN STEEL CO.	
RUDDER { Rudder	"	"	FRAMES OF WELDED CONSTRUCTION BY SHIPBUILDING AND ADDITIONAL REPAIR J. H. MOORE, SHEFFIELD.	
Speed of Vessel	12 KNOTS.			
RUDDER—Type	ORDINARY DOUBLE FLAT RUDDER.			
" A x D	32-49 1/2" x 18 7/8" = 636			
" Diam. of head	ROLLED BAR	5" DIA	RUDDER OF WELDED CONSTRUCTION BY R. J. HUNTER LTD	
" Mainpiece at top pintle	"	"		
" " heel	"	"	THORNE.	
" how constructed	ROLLED BAR AND SIDE PLATES.			
" double or single plate	-	28	-	
" coupling, vertical or horizontal	NO COUPLING.			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	OPEN HEARTH PROCESS.
	APPLARY FRODINGHAM STEEL CO, SOUTH DURHAM STEEL CO, NORMAN LONG & CO. SKINNING ROVE IRON CO.	
	Has the Steel been tested as required by the Rules? YES. ✓	

	EQUIPMENT No.	LETTER	ANCHORS.				
Number of Certificate.	WRIGHT, EX STOCK. Cwts., qrs., lbs.	WEIGHT OF STOCK. Tons, cwt., qrs., lbs.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLES.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
55711	1st Bower ..	4 0 0	1 0 8	Tens 6 7 2 0 ✓	Ltws 44 ✓	ORDINARY FORGED WROUGHT IRON ANCHOR.	NAMES NOT GIVEN PATROL HEADN J-1242 N.Y NORMAN ✓
55712	2nd " "	4 1 10	1 0 14	6 15 0 0 ✓	4 ✓	" "	" " 3H242 " ✓
✓	3rd " "	✓	✓	✓	✓	✓	✓
Collective weight	8 1 10	2 0 22	✓	✓	84 ✓	✓	✓
Stresser	✓	✓	✓	✓	✓	✓	✓

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.	
			Statio- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Inch.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Inch.					Fathoms.	Inch.		Fathoms.	Inch.
66505	60	5 7/8	13 1/2	20 1/8	25-0-18	23 1/2	60	7/8	STAD LARK CONNOR PROX LTD	BRADLEY HEATH.		TOWLINE	✓	✓	✓	✓	✓
										25-143 W. V. NORMAN.			60	5 1/2	✓	60	5 1/2
												HAWSEERS & WARPS	60	3 1/2	✓	60	3 1/2
												"	✓	✓	✓	✓	✓
												"					
Iron Stream Chain or Steel Wire	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓

Number of Shifting Beams }
and/or Fore and Afters }

Decks, canings, W. T. bulkheads, steering gear and sundries and hand pump
have been tested.

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 PERCY Hull F.E. Report No 52178

PARTICULARS OF ELECTRIC WELDING (if employed)

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

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

1000 H.P. FOR TOWING SERVICE

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 1/2" Over-all Length 99' 2 1/2"

No. and Material of Decks 10 1/4 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	13
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, 14' 7 1/2" TANK 19.25	10.5	10 1/2 24t
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. 3324.

Date 6.7.42.

Dates of Surveys held while building

1942. Sept 23. Oct 6. Dec. 1. 29. 1943 Jan. 13. Mar. 14. 24. May 14. 31. June 14. 10. 24. 30.
July 6. 9. 14. 21. 24. Aug 10. 18. 25. 30. Sept 6. 13. 22. 28. Oct 11. 19. 21. 24. Nov. 4. 10. 16. 30.
Dec. 2. 6. 9. 14. 17. 23. 28. 1944 Jan. 13. 25.

Total No. of Visits 43