

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

Survey held at THORNE Date First Survey 16th October 1941 Last Survey 26th AUGUST 1942

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

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

TONNAGE under } 123.17
Tonnage Deck ... }
CLASS ~~X~~ 100 A.1. State if with freeboard }
as condition of Class } No. ☒
Built at THORNE.

Do. 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)	Launched 8 TH July 1942. Yard No. 376
	Breadth (greatest overall)	

Total 123.17 Depth, at middle of length from top of keel to top 10.5

Gross Tonnage **129.13** deck. See Sec. 3 (1c) Owners **MINISTRY OF WAR TRANSPORT.**

er Tonnage *NIL* 1st Longitudinal Number (L x D).....= *400* Managers *✓*

REGISTERED DIMENSIONS. Framing Depth "d," at middle of length. See ☒ Residence LONDON.

FEET

92.5
continuous deck to top of keel } 8.7%
Port of Registry GOOLE.

h **20-55** Do. Long Bridge to }
top of hill } If surveyed while building, afloat, or in dry dock

8.45.	Draught Moulded	-	Thru the Colours
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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 1/2 length amidships to Collision bulkhead.....	21'		" " Reversed Frame.....	✓	
" " in peaks	21'		" " Vertical Struts	✓	
DE FRAMING.			Centre Girder, depth and thickness amidships	30' x .40	✓
Frame Amidships, Angle, 21' <i>2 1/2</i> <i>32</i> <i>✓</i>	4 2 1/2 .32	✓	" " top Angles	2 1/2 2 1/2 .38	✓
" " Extends up to.....	<i>2 1/2</i> <i>36</i> <i>✓</i>	✓	" " bottom Angles.....	3 3 .42	✓
Reversed Frame Amidships, Angle	2 1/2 2 1/2 .26	✓	Side Girders, No. each side and thickness.....	✓	
" " Extends up to	" " .36	✓	Margin Plate depth (excl. of flange) and thickness	✓	
Depth of Framing Girder.....	4'	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....			" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	✓	
" " Second 'tween Decks, Angle, [or [.....			" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	✓	
" " Third			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	✓	
" " from 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 21' <i>4 2 1/2</i> <i>32</i> <i>✓</i>	4 2 1/2 .32	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8' - 4 1/2	✓	Breadth and thickness of Middle Line Strake.....	48' x .36	✓
State if Frame Joggled.....	No	✓	Thickness of remainder in Holds44 ✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</i>	✓	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.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in <i>Wells, Angle, 21'</i> <i>✓</i>	4 3 .32	✓
Floors, Depth and thickness at mid-line in Holds.....	14' x .36 <i>1/2</i> <i>Boiler Room</i>		" " <i>in way of Bridge, Angle, 21'</i> <i>✓</i>	4 3 .30 <i>1/2</i> <i>BEAMS</i>	✓
Height of Brackets at side above base line at toe of frame.....	✓		" " Spacing	3 2 1/2 .30 <i>1/2</i>	✓
Middle Line Keelson, on Floors, Angles, 21' <i>3 1/2</i> <i>3</i> <i>38</i> <i>DOUBLE</i> <i>✓</i>	3 1/2 3 .38	✓	Second Deck, amidships, Angle, [or [.....		
" " Through Plate or Inter-costal Plate42	✓	Spacing		
" " Foundation Plate on Floors	12' x .42 <i>EACH SIDE OF CENTRE</i>	✓	Third Deck, amidships, Angle, [or [.....		
" " Flat Plate Keel Angles	3 1/2 x 3 1/2 .40 <i>DOUBLE</i> <i>70</i> <i>30</i> <i>ONE</i>	✓	Spacing.....		
Keelsons, No. each side.....	<i>ONE</i>	✓	Fourth Deck, amidships, Angle, [or [.....		
Thickness of Intercoastal Plate.....	✓		Spacing.....		
" " Angles	5 4 .48 <i>1/2</i> <i>Boiler Space</i>	✓	Poop Deck, Angle, [or [.....		
DOUBLE BOTTOM. <i>FRAMES 23 TO 30 FEED TANK</i>	5 4 .38 <i>END OF BOILER SPACE</i>	✓	Spacing.....		
Solid Floors, thickness and spacing	30' x .36 <i>Spaced 21"</i> <i>See plan</i>	✓	Bridge Deck, Angle, [or [.....		
" " Are Frame and Reversed Frame joggled?	No	✓	Spacing.....		
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, [or [.....		
" " breadth and thickness at margin plate.....	✓		Spacing.....		

PILLARS AND DECKS.					
PILLARS, No. of Rows	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
" " " " " " " "	<i>ONE</i>				
" " " " " " " "	<i>2 1/4</i>	<i>7/8" PLATE 1/4" CONSTRUCTION</i>			
" " " " " " " "	<i>WIDE FLOOR - 1/2" GIRDER FITTED</i>				
" " " " " " " "	<i>1/2" PLATING ON GIRDERS</i>				
" " " " " " " "					
Centre Line Bulkhead. Stiffeners and Spacing					
Plating, thickness of					
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	<i>35 1/2 x 58 x 30</i>				
" " " " " " " "	<i>✓</i>				
" " " " " " " "					
" Angle in Wells	<i>3 3 30</i>				
Thickness of Plating abreast Deck openings in way of Wells	<i>30 - 26</i>				
Thickness of Plating abreast Deck openings in way of Bridge	<i>✓</i>				
Thickness of Plating within line of openings..	<i>32 - 30 - 26</i>				
If Sheathed, material and thickness.....	<i>CLOTHES FITTED UNDER STEEL DECK.</i>				
Second Deck.					
Stringer Plate, breadth and thickness in Wells	<i>✓</i>				
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...					

[illegible]

Total No. of W.T. BULKHEADS in Vessel—		FORGINGS AND CASTINGS.	
Extending to Upper Deck (Sec. 3 c)	4 /	Casting or Forging.	Scantlings.
" Deck next below	✓	Maker's Name.	Any Departure from Approved Plans to be Noted.
As per Rule	3		
		KEEL, Bar	FLAT PLATE KEEL.
		STEM	ROLLED BAR 5 1/2" x 1" DORMAN LONG CO.
		STERN FRAME { Propeller Post	ROLLED BAR 5 1/2" x 2 1/2" MATERIAL SHAPLEY FROTHINGHAM STEEL
		" Rudder	" " FRAME OF WALDO CO'S MR K. DUNSTON L.P. AND RAILROAD MATERIAL J. J. BROWN, GREENFIELD
		Speed of Vessel	12 knots ✓
		RUDDER—Type	REDUCTION TONNAGE PLATE RUDDER ✓
		" A x D.	32-49 1/2" x 18 1/2" x 6-3 1/2" ✓
		" Diam. of head	ROLLED BAR 5" DIA. RUDDER CONSTRUCTED BY
		" Mainpiece at top pintle	" " AS
		" " heel	" " SHIPBUILDERS
		" how constructed	ROLLED FRAME AND SIDE PLATES.
		" double or single plate coupling, vertical or horizontal	28" NO COUPLING LAST STEEL CLASPS ✓
		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS.	
		DORMAN LONG CO., APPLEBY FROTHINGHAM STEEL CO.	
		Has the Steel been tested as required by the Rules? Yes. ✓	

EQUIPMENT No.										LETTER		ANCHORS.					
Number of Certificate.	Anchor.	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.					
<i>54634</i>	1st Bower	<i>4</i>	<i>0</i>	<i>6</i>	<i>1</i>	<i>0</i>	<i>12</i>	<i>6</i>	<i>7</i>	<i>2</i>	<i>0</i>	<i>4</i>	<i>ORDINARY FORGED IRON ANCHOR</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>54635</i>	2nd "	<i>4</i>	<i>0</i>	<i>9</i>	<i>1</i>	<i>0</i>	<i>13</i>	<i>6</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>4</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>✓</i>	2nd "	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>✓</i>	Collective weight	<i>8</i>	<i>0</i>	<i>15</i>	<i>2</i>	<i>0</i>	<i>25</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>8</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>✓</i>	Stream	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>

HAWSERS AND WARPS

Steering Gear, Type (Power ~~or~~ hand) STEERN STEERING GEAR IN DOWNING G.D. DEMOSTRATOR ON TYPE Alternative Means of Steering TILLER WITH BLOCKS AND THROTTLES

Steering Chains (Size and Test) 3/4" DIA, 6 IN TONS TEST. ^{Stationary} Windlass STEERN BY EMERSON WALKER LTD Boats 2 WOOD LIFEBOATS.

Ceiling in Holds, thickness and material _____ ✓

Cargo Battens, thickness, material and spacing _____ ✓

Cargo Hatchways.—(Upper Deck) 2 SMALL HATCHES (COAL) ON CRATING TOP. Thickness of Hatches STEEL HINGED COVERS. ✓

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 PHU RICHARD DUNSTON, LTD.
Richard Dunston

The amount of Entry Fee..... £ 2-0-0 } Fees applied for,
Special Survey Fee..... £ 20-0-0 } 7 SEP 1942
FEE FOR SUPERVISION OF SPECIFICITY 5-0-0 } Received by me,
Travelling Expenses, if any £ 6-6-4 } 19

I am of opinion the Vessel should be Classed ~~DA~~ 100A1
"FOR TOWING SERVICE"

State whether the Vessel has been built under Special Survey Yes

Certificate to be sent to Shell Date of issue 1/10/42

Committee's Minute Liverpool FRI. 18 SEP 1942

Character assigned 100A1

Signature A. B. Englewood
Surveyor to Lloyd's Register of Shipping.

[illegible]

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 FOLK' HULL F.E. REPORT NO. 51612.

PILLARS, No.

in 't

in

Centre Line
Stiffeners a

Plating, th

STRINGERS
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PARTICULARS OF ELECTRIC WELDING (if employed) STERN AND RUDDER OF WELDED CONSTRUCTION.

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

100A.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

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. 168787

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

20'9"

Over-all Length (Circ. 1703)

97'6"

No. and Material of Decks 104 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, of <u>PRINCE OF WALES</u> TANK.	12.25	11 1/2	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
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, <u>FW TANK 38-40 FORWARD</u>	3.5	6
Total length (if continuous) and Capacity.			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3284

Date 19. 9. 41.

Dates of Surveys
held while building

1941. Oct 16. 31. Nov. 12. 21. 26. Dec. 3. 12. 17. 22. 29. 1942. Jan. 5. 7. 12. 26. Feb. 29. 16.
23. 27. Mar. 4. 11. 18. 24. 31. Apr. 2. 10. 20. 23. May 6. 13. 18. 20. 27.
June 2. 10. 19. 24. July 1. 6. 7. 10. 14. 20. 22. 28. Aug 12. 18. 21. 26.

Total No. of Visits

49.