

Rpt. 1.

RECEIVED

2 JUL 1946

IN D.O.

Date of completion of report

Survey held at

On the

State Type

TONNAGE under
Tonnage DeckDo of space or spaces
between Tonnage Dk.
and Upper Dk.

Total

Gross Tonnage

Register Tonnage

REGISTERED DIMENSIONS.
FEET.

Length

Breadth

Depth

STEEL STEAMER or MOTORSHIP.

TUG

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**Port of **HULL**No. **53537**

Date First Survey

Last Survey

1946

On the **Steam tug "EMPIRE LUCY"**

Full Scantling

State Type of Erections **none**CLASS **X100A1**

(For towing purpose)

State if with freeboard

condition of Class

FEET.

Built at **Gainsborough**Launched **6th March 1946** Yard No. **1556**Builders **J. S. Watkinson (Gainsborough) Ltd**Owners **Ministry of War Transport**Managers **C. Rowbottom & Sons**
(Where necessary to be entered in Reg. Book.)Residence **130, Ulster Road
London E.C.3.**Port of Registry **HULL**

If surveyed while building, afloat, or in dry dock

Building AfloatLength from fore part of stem to after part of stern
most on summer L.W.L. See Sec. 3 (1a)

Breadth (greatest moulded)

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

1st Longitudinal Number (L x D)

2nd Numeral L x (B + D)

Framing Depth "d," at middle of length. See
Sec. 3 (1d)Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel
Do. Long Bridge to top
of keel

Draught Moulded

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	—	—	—	
IN BOILER SPACE	22			✓	" " Reversed Frame	—	—	—	
" " from $\frac{3}{8}$ length amidships to Collision bulkhead	21			✓	" " Vertical Struts	—	—	—	
" " in peaks	21			✓	Centre Girder, depth and thickness amidships	30	144		✓
SIDE FRAMING.					" " top Angles	2½	2½	36	✓
Frame Amidships, Angle, \angle or \square	5	3	30	✓	" " bottom Angles	3	3	42	✓
IN BOILER & BUNKER SPACES	5	3	36	✓	ONE STIFFENER ON FLOORS EACH SIDE	4	2½	30	✓
" " Extends up to	MAIN DECK			✓	Side Girders, No. each side and thickness	—	—	—	
Reversed Frame Amidships, Angle	—	—	—		Margin Plate depth (excl. of flange) and thickness	—	—	—	
" " Extends up to	—	—	—		" " Vertical Angle to Tank side	—	—	—	
Depth of Framing Girder	5			✓	" " Bracket abaft $\frac{1}{2}$ len. from stem	—	—	—	
Frames in Uppermost Continuous 'tween	—	—	—		" " Vertical Angle to Tank side	—	—	—	
Decks, Angle, \angle or \square	—	—	—		" " Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area	—	—	—	
" " Second 'tween Decks, Angle, \angle or \square	—	—	—		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	—	—	—	
" " Third " " " "	—	—	—		" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area	—	—	—	
" " from $\frac{1}{2}$ len. for'd. to $\frac{1}{2}$ len. from Stem	5	3	30	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	—	—	—	
" " in Peaks, Angle or \square	5	3	30	✓	INNER BOTTOM PLATING.				
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	5/8	1	4½	✓	Breadth and thickness of Middle Line Strake	56	142		✓
State if Frame Joggled	No			✓	Thickness of remainder in Holds	144			✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES			✓	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?	YES			✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES			✓	BEAMS.				
SINGLE BOTTOM.					Uppermost Continuous Deck, amidships	5	3	32	✓
Floors, Depth and thickness at mid-line in Holds	17	30		✓	" " in Way, Angle, \angle or \square	—	—	—	
Height of Brackets at side above base line at toe of frame	—	—	—		" " in way of Bridge, Angle, \angle or \square	—	—	—	
Middle Line Keelson, on Floors, Angles, \angle or \square	3½	33	30	✓	Spacing	21			✓
" " Through Plate \angle or \square	142	IN BS.		✓	Second Deck, amidships, Angle, \angle or \square	—	—	—	
" " Intercoastal Plate	30	FORW. OF BS.		✓	Spacing	—	—	—	
" " Foundation Plate on Floors	12	34	BS. 42	✓	Third Deck, amidships, Angle, \angle or \square	—	—	—	
" " Flat Plate Keel Angles DOUBLE	3½	33	36	✓	Spacing	—	—	—	
Side Keelsons, No. each side	ONE			✓	Fourth Deck, amidships, Angle, \angle or \square	—	—	—	
" " thickness of Intercoastal Plate	—	—	—		Spacing	—	—	—	
" " Angles	5	44	36	✓	Poop Deck, Angle, \angle or \square	—	—	—	
DOUBLE BOTTOM.					Spacing	—	—	—	
Solid Floors, thickness and spacing	36	21		✓	Bridge Deck, Angle, \angle or \square	—	—	—	
" " Are Frame and Reversed Frame joggled?	No			✓	Spacing	—	—	—	
Bracket Floors, breadth and thickness at middle line	—	—	—		Forecastle Deck, Angle, \angle or \square	—	—	—	
" " 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.
PILLARS, No. of Rows..... <i>ONE</i>	<i>2 3/8; 2 1/4; 2</i>		Stringer Plate, breadth and thickness in way of Bridge	—	—
<i>IN ACCORDANCE WITH STORE & E.R. SPACES</i>			Thickness of Plating abreast Deck openings in way of Wells	—	—
" in 'tween Decks, Size and Spacing.....	—	—	Thickness of Plating abreast Deck openings in way of Bridge	—	—
" " " " " "	—	—	Thickness of Plating within line of openings...	—	—
" in Holds " " " "	—	—	If Sheathed, material and thickness	—	—
TUNNEL			Third Deck.		
Centre Line Bulkheads			Stringer Plate, breadth and thickness.....	—	—
Stiffeners and Spacing.....	<i>3 1/2 x 3 x 30</i>	✓	If Plated, state thickness.....	—	—
Plating, thickness of	<i>SPACING 5 x 3 x 34 x 30 AS PER PLAN 36 x 30</i>	✓	Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....	—	—
Uppermost Continuous Deck.			If Plated, state thickness	—	—
Stringer Plate, breadth and thickness in Wells.....	<i>57 x 30</i>	✓	Poop Deck.		
" " " " in way of Bridge	—	—	Stringer Plate, breadth and thickness	—	—
" Angle in Wells	<i>3 3 x 30</i>	✓	Plating, Sheathing, material and thickness ...	—	—
Thickness of Plating abreast Deck openings in way of Wells	<i>30 x 28</i>	✓	Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	—	—	Stringer Plate, breadth and thickness.....	—	—
Thickness of Plating within line of openings...	<i>26</i>	✓	Plating, Sheathing, material and thickness ...	—	—
If Sheathed, material and thickness	—	—	Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	—	—
Stringer Plate, breadth and thickness in Wells...	—	—	Plating, Sheathing, material and thickness ...	—	—

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>YES</i>	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	BUTTS.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing or to cr.		
FLAT PLATE KEEL	<i>37</i>	<i>1/4</i>	<i>1/4</i>	<i>3/8</i>		✓	<i>DOUBLE</i>	<i>3/4</i>	<i>3</i>	<i>3:2 AT ENDS</i>	<i>3/4 25/8 STRAPPED</i>
" <i>DECK (if any)</i>	—	—	—	—		—	—	—	—	—	—
BOTTOM PLATING, No. of Strakes ... <i>2</i>		<i>3/2</i>	<i>3/2</i>	<i>3/2</i>		✓	<i>SINGLE</i>	<i>5/8</i>	<i>2 1/2</i>	<i>TWO</i>	<i>5/8 2 1/4 LAPPED</i>
BILGE PLATING, No. of Strakes ... <i>2</i>		<i>3/2</i>	<i>28</i>	<i>26</i>		✓	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
SIDE PLATING, No. of Strakes ... <i>1</i>		<i>3/4</i>	<i>30</i>	<i>30</i>		✓	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
UPPER DECK, Sheer-strake in Wells.....	<i>42</i>	<i>3/4</i>	<i>30</i>	<i>30</i>		✓	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>STRAPPED</i>
UPPER DECK, Sheer-strake in Bridge ...	—	—	—	—		—	—	—	—	—	—
STRAKE BELOW Sheer-strake in Wells.....	—	—	—	—		—	—	—	—	—	—
STRAKE BELOW Sheer-strake in Bridge ...	—	—	—	—		—	—	—	—	—	—
POOP SIDE PLATING	—	—	—	—		—	—	—	—	—	—
BRIDGE SIDE PLATING ...	—	—	—	—		—	—	—	—	—	—
FORECASTLE SIDE PLATING	—	—	—	—		—	—	—	—	—	—

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>FOUR</i> ✓
Extending to Upper Deck (Sec. 3 c)	<i>FOUR</i> ✓
" Deck next below	✓
As per Rule	<i>THREE</i> ✓

FORGINGS and CASTINGS.

	Forgings.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	—	—	—	—
STEM	—	<i>6 x 1 1/8</i>	✓	—
STERN FRAME { Propeller Post	—	<i>5 1/2 x 2 1/4</i>	✓	<i>FORSTER</i>
{ Rudder "	—	<i>5 1/2 x 2 3/4</i>	✓	—
Speed of Vessel	<i>NOT EXCEEDING 12 KNOTS</i> ✓			
RUDDER—Type	<i>DOUBLE PLATE (STREAMLINED)</i> ✓			
" A x D	<i>46 x 17 x 2 x 23</i>	<i>93.6</i>	✓	—
" Diam. of head	<i>ROLLED 5 1/2 DIAM</i>	—	✓	—
" Mainpiece at top pintle	<i>STEEL 5 1/2</i>	✓	—	<i>FORSTER</i>
" " " heel ...	<i>BAR 4 3/8</i>	✓	—	—
" how constructed	<i>WELDED PLATES & 3 M.S. PLATE FRAME 1/2 THICK</i> ✓			
" double or single plates	<i>30</i>	✓	—	—
" coupling, vertical or horizontal	<i>NONE</i> ✓			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	<i>No 25</i>	<i>36 x 36</i>	<i>5 x 3 x 34</i>	<i>28</i>	✓
" " <i>Second</i>	<i>No 44</i>	<i>36 x 37</i>	<i>4 x 2 1/2 x 30</i>	<i>30</i>	✓
" " <i>Third</i>	—	—	—	—	—
" " <i>Holds</i>	—	—	—	—	—
COLLISION	<i>No 55</i>	<i>34 x 30</i>	<i>6 x 3 x 34</i>	<i>24</i>	✓
AFTER PEAK	<i>No 57</i>	<i>30 x 30</i>	<i>4 x 2 1/2 x 30</i>	<i>24</i>	✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	<i>OPEN HEARTH</i> ✓
	PLATES: — <i>APPLEBY-FRODINGHAM S.C. LTD.</i> ✓	
	SECTIONS: — <i>"</i>	
	Has the Steel been tested as required by the Rules?	<i>YES</i> ✓

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.)

PARTICULARS OF ELECTRIC WELDING (if employed)

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

FOR TOWING SERVICES

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

1st Bower 4-0-20[✓]! A.E.G. : 3710 : 1/2/45.
2nd " 3-3-16[✓]! A.E.G. : 4061 : 21/2/45.
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. 181261

Signal Letters ☒

Extreme Breadth over Belting 26' 8" (Circ. 1611)

Over-all Length 113' 4" (Circ. 1703)

No. and Material of Decks 1 Ok (SIL) ☒

Parts of Bottom of Vessel coated with cement or approved composition CEMENT TO LOWER TURN OF 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,	19.58	21 ✓	Fore peak tank,	8.5 ✓	18 ✓
Double bottom, under Engines and Boilers,	—	—	After peak tank,	10.0 ✓	23 ✓
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	3.5 ✓	6 ✓
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. 3485

Date 27.3.45

Dates of Surveys held while building

1944. 1945.
Nov. 15. Dec 12. Jan 12. Feb 16. Mar 2 Apr 10 May 31 Aug 21. Nov 22. Dec 20
1946. Feb 6. 20. 25. Mar 21. Apr 8. May 27

Total No. of Visits 16