

## STEEL STEAMER OR MOTORSHIP.

Received at London Office

22 MAY 1946

State if Report has been sent on the Freeboard of the Vessel. YESState if Report is sent on the Machinery of the Vessel. YES

Date of completion of report

17<sup>th</sup> MAY 1946Port of GREENOCKNo. 23315Survey held at PORT GLASGOWDate First Survey 28<sup>th</sup> MAY 1946Last Survey 13<sup>th</sup> MAY 1946On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SCREW TUG "EMPIRE RITA" MACHINERY AMIDSHIPS

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

FULL SCANTLINGState Type of Erections FLUSH DECK

TONNAGE under Tonnage Deck ...

262.17

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

Total

Gross Tonnage

294.83

Register Tonnage

## REGISTERED DIMENSIONS.

FEET

116.027.612.7CLASS +100 A.I. "FOR TOWING SERVICES" 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) 115.0Breadth (greatest moulded) B 27.5Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 13.51st Longitudinal Number (L x D) 1562.52nd Numeral L x (B + D) 47.5Framing Depth "d," at middle of length. See Sec. 3 (1d) -Proportions—Depth to Length—Uppermost continuous deck to top of keel 9.5Do. Long Bridge to top of keel -Draught Moulded 12'-2 5/8"Built at PORT GLASGOWLaunched 15<sup>th</sup> DECEMBER 1945 Yard No. 378Builders FERGUSON BROS (PORT GLASGOW) LTDOwners MINISTRY OF WAR TRANSPORTManagers OVERSEAS TOWAGE & SALVAGE CO LTD  
(Where necessary to be entered in Reg. Book)Residence LONDONPort of Registry GLASGOW

If surveyed while building, afloat, or in dry dock

BUILDING & 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	2 1/2 21 18		Bracket Floors, Frame	-
" " from 1/2 length amidships to Collision bulkhead	18		" " Reversed Frame	-
" " in peaks	AFT. 21 FORW. 18		" " Vertical Struts	-
SIDE FRAMING.			Centre Girder, depth and thickness amidships	-
Frame Amidships, Angle, <u>E or C</u>	5 3 30		" " top Angles	-
" " Extends up to	DECK		" " bottom Angles	-
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	-
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	-
Depth of Framing Girder	5" BULB ANGLE		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	-
Frames in Uppermost Continuous 'tween Decks, Angle, <u>C or E</u>	-		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	-
" " Second 'tween Decks, Angle, <u>C or E</u>	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem	-
" " Third " " " "	-		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	-
" " from 1/2 len. for'd. to 15% len. from Stem	5 3 30		Tank Side Brackets, height above base line at toe of Frame and thickness	-
" " in Peaks, Angle or <u>C</u>	5 3 30		INNER BOTTOM PLATING.	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4		Breadth and thickness of Middle Line Strake	-
State if Frame Joggled	YES		Thickness of remainder in Holds	-
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED		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	6 3 30 IN WAY OF O.F.
Floors, Depth and thickness at mid-line in Holds	18 x 30		" " " " " " " "	5 3 30 FORW. AFT.
Height of Brackets at side above base line at toe of frame	-		" " " " " " " "	4 3 34 B.R.
Middle Line Keelson, on Floors, Angles, <u>C or E</u>	12 x 4 x 4 x 36 185		" " " " " " " "	4 3 30 E.R.
" " " " Through Plate or Inter-costal Plate	-		" " " " " " " "	EVERY FRAME
" " " " Foundation Plate on Floors	-		FLAT FORW. Second Deck, amidships, Angle, <u>E or C</u>	4 3 34 IN WAY OF TANKS
" " " " Flat Plate Keel Angles	-		" " " " " " " "	3 2 1/2 30
Side Keelsons, No. each side	AT 8/4 GA		" " " " " " " "	EVERY FRAME
" " " " " " " "	1		FLAT AFT. Third Deck, amidships, Angle, <u>E or C</u>	4 2 1/2 34
" " " " " " " "	1		" " " " " " " "	EVERY FRAME
" " " " " " " "	5 4 40		Fourth Deck, amidships, Angle, <u>C or E</u>	-
INCREASES IN E & B SPACES & O.F. BUNKERS	AS APPROVED		" " " " " " " "	-
DOUBLE BOTTOM.			" " " " " " " "	-
Solid Floors, thickness and spacing	-		" " " " " " " "	-
" " " " Are Frame and Reversed Frame joggled?	-		" " " " " " " "	-
Bracket Floors, breadth and thickness at middle line	-		" " " " " " " "	-
" " " " breadth and thickness at margin plate	-		" " " " " " " "	-



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>	✓	Stringer Plate, breadth and thickness in way of Bridge .....	-	
<i>ACCOMMODATION</i>	<i>2 3/4 - 6 1/2</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....	<i>'30 x '26</i>	✓
" in Holds " " " "	-		If Sheathed, material and thickness.....	-	
" " " " " "	-		<i>FLAT AFT Third Deck.</i>		
Centre Line Bulkhead.	-		Stringer Plate, <del>breadth and</del> thickness.....	<i>'26</i>	✓
Stiffeners and Spacing .....	-		If Plated, state thickness .....	<i>'26</i>	✓
Plating, thickness of .....	-		Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....	-	
Uppermost Continuous Deck.			If Plated, state thickness.....	-	
Stringer Plate, breadth and thickness <del>in Way</del>	<i>60 x .35</i>	✓	Poop Deck.		
" " " " in way of Bridge	-		Stringer Plate, breadth and thickness.....	-	
" Angle <del>in Wells</del>	<i>3 3 .35</i>	✓	Plating, Sheathing, material and thickness ...	-	
<i>ENG CASING</i>			Bridge Deck.		
Thickness of Plating abreast <del>Deck openings</del>	<i>.30</i>	✓	Stringer Plate, breadth and thickness.....	-	
<del>in way of Wells</del>			Plating, Sheathing, material and thickness ...	-	
Thickness of Plating <del>abreast Deck openings</del>	<i>.375</i>	✓	Forecastle Deck.		
<del>in way of Bridge UNDER WINDLASS</del>			Stringer Plate, breadth and thickness.....	-	
Thickness of Plating within line of openings....	<i>'30 x '25</i>	✓	Plating, Sheathing, material and thickness ...	-	
If Sheathed, material and thickness.....	<i>5 x 2 1/2 PINE</i>	✓	Second Deck.		
<i>FLAT FORD</i>	<i>OVER ACCOM<sup>d</sup> FORD</i>	✓	Stringer Plate, <del>breadth and</del> thickness in Wells	<i>'30 x '26</i>	✓

[illegible]

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
Extending to Upper Deck (Sec. 3 c)	3 ✓				
„ Deck next below	-				
As per Rule	3				
KEEL, Bar .....		BARRICATED	7" 1 1/4" ✓	POLYVILLES LOUISIANA	
STEM .....			7" 1 1/4" ✓		
STERN FRAME { Propeller Post .....			7" 3" ✓		
FRAME { .....			6 1/2" 3" ✓		

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar .....		7" 1/4" ✓		
STEM .....		7" 1/4" ✓		
STERN FRAME { Propeller Post .....	FABRICATED	7" 3" ✓	COLVILLES	CONST. CR
{ Rudder ..		5 1/2" x 3" ✓		
Speed of Vessel .....		UNDER 13 KNOTS.		
RUDDER—Type .....		ORDINARY		
" A x D .....	FABRICATED	104-16 ✓		
" Diam. of head .....		6" ✓	COLVILLES	CONST. CR
" Mainpiece at top pintle .....	FABRICATED	FORGING.		
" " heel .....		BY FORGE.		
" " .....		1 1/2" ✓		
" how constructed .....	FABRICATED.	✓		
" double or single plate .....		30" ✓		
" 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) <i>OPEN HEARTH.</i> ✓ <i>DORMAN, LONG &amp; CO, CONSETT IRON CO LD, COLVILLES LD</i>
	Has the Steel been tested as required by the Rules? <i>YES.</i>

ANCHORS.

[illegible]

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate		WEIGHT OF CHAIN CABLE.		<del>per Table 60.</del>		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 58.	
			Statutory.	Break-ing.			Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Inch.	Tons.	Tons.	Cwts. qrs. lbs.	Per Rule.	Fathoms.	Inch.					Fathoms.	Inch.		Fathoms.	Inch.
71092	150	3	1 1/2	20.3	30.4	29-3-2	(86%)	150	1 1/2	STUD LINK R. SYKES & SON	CRADLEY HEATH 28-2-46. W.V.N.	TOWLINE	60	✓	-	60	✓
							Rule 60 1/2			Rule 105 mm		HAWSEES & WARPS	60	✓	5.	60	✓
												"					
												"					
												"					
Iron Stream Chain or Steel Wire												"					

Steering Gear, Type (Power or hand) STEAM BY DONKIN & SONS. ✓ Alternative Means of Steering TILLER WITH BLOCKS & TACKLES.

Steering Chains (Size and Test) 7/8" D.I.A. 9 1/8 TONS. ✓ STEAM Windlass BY EMERSON, WALKER & CO Boats 2-19'-0" ✓

Ceiling in Holds, thickness and material NONE Cargo Battens, thickness, material and spacing NONE

Cargo Hatchway 4.—(Upper Deck) STEEL CORNING. Thickness of Hatches 2 1/2" PINE.

Size of Hatchway: No. 1 (Fwd.) 3'-0" x 5'-0" ✓ No. 2 — No. 3 — No. 4 — No. 5 — No. 6 —

Number of Shifting Beams } *NONE.*  
and/or Fore and Afters }

FERGUSON BROTHERS (PORT-GLASGOW) LTD.  
*John Ferguson*  
 Builder's 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 vessel has been built in conformity with the Society's Rules & Regulations for the class contemplated in the Secretary's letter. The scantlings & arrangements are in accordance with or equivalent to those shown on the approved plans. The materials & workmanship are of good quality. The fore & aft peaks, feed, water ballast & bunkers have been tested to rule requirements & found satisfactory. Bilge suction & auxiliary steering gear were tried & found efficient. Main steering gear & windlass were tried under working conditions & found efficient. Strakeboard verified & marks cut in on the vessel's side. Oil fuel is carried in bunkers amidships F.P. above 150° F. & the requirements of Section 20 of the Rules complied with. The plans & specification have been supervised & a copy of the completion certificate is enclosed together with a copy of the Interim certificate issued.

The amount of Entry Fee.....	£ 3 : 0 : 0	} Fees applied for, 17 MAY 1946.	(Special notations, where part of class, to be stated.)
<b>SPECIFICATION</b>	7 7 6		
Special Survey Fee.....	£ 29 : 10 : 0		
<b>FREELBOARD</b>	4 0 0		
Travelling Expenses, if any .....	£ : : 0	} Received by me,	
		19	

I am of opinion the Vessel should be Classed **4 100 A.1.**  
**"FOR TOWING SERVICES"**

State whether the Vessel has been built under Special Survey. YES.

Certificate to be sent to GREENOCK OFFICE. Date of issue 26/6/46.

Signature J. A. Jamison  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute	GLASGOW	21 MAY 1946
Character assigned	-1-100 A7	5.46

Lloyds A+C.P.  
for towing services  
-1-  
Littera for oil fuel 5.46  
I.P. above 4500F

The Lloyd's Foundation



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.)

Sister vessel to S.S. Empire Grinda Greenock 1st Entry Report No 23237.

The plans of midship section & profile & Decks as built & forging reports are forwarded herewith.

PARTICULARS OF ELECTRIC WELDING (if employed) STERNEFRAME & RUDDER. KEEL BUTTS. BOSS PLATE. FLAT FORE & AFT TO SHELL. FORE PEAK FLAT TO SHELL. FLOORS & BRACKETS TO BUNKER SIDES IN PASSAGE. BULWARK STAYS TO DECK. OIL BUNKER HATCH COAMINGS.

SPECIAL NOTATIONS :—Either as part of the vessel's class or for record in the Register Book "FOR TOWING SERVICES". LLOYDS R.A.C.P.  
FITTED FOR OIL FUEL 5-46 F.P. ABOVE 150°F.

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

1st Bower INCL. CUP & PINS. 4-1-26 A.E.G. 7127: 10-9-45.  
2nd 3-3-11 D.J.M. 5826: 21-6-45.  
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. 169470 Signal Letters \_\_\_\_\_ Extreme Breadth over Belting 29' 42" Over-all Length 123' 9"  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 DK. (SPL.)

Parts of Bottom of Vessel coated with cement or approved composition STOKENOLD & UNDERNEATH CREW SPACES: BITUMINOUS SOLUTION & ENAMEL. OIL BUNKERS BARE. ELSEWHERE 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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,		—	Fore peak tank,		<u>6.4</u> ✓
Double bottom, under Engines and Boilers,		—	After peak tank,		<u>27.0</u> ✓
Double bottom, if under Engines only,		—	Deep tank, aft,		—
Double bottom, if under Boilers only,		—	Deep tank, forward,	<u>6' 0"</u>	<u>12.0</u> 1/3 SW
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 \_\_\_\_\_

Dates of Surveys held while building

(1945) MAY 28. JUNE 4. 13. 18. 25. JULY 24. 30. AUG. 2. 7. 21. 23. 29. 31. SEPT. 5. 12. 14. 24. 27. 28.  
OCT. 1. 8. 10. 12. 15. 19. 22. 26. NOV. 1. 5. 4. 14. 15. 19. 23. 30. DEC. 5. 11. 12. 18. 26. (1946) JAN. 4. 9.  
17. 23. 28. FEB. 6. 8. 19. 24. MAR. 1. 5. 8. 12. 20. 25. 24. APR. 2. 10. 12. 16. 19. 23. 25. 30. MAY 2.  
6. 9. 13.

Total No. of Visits 68