

STEEL STEAMER or MOTORSHIP.

Received at London Office

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*

Date of completion of report

12th October 1945

Port of

Glasgow

No.

70041

Survey held at

Glasgow

Date First Survey

26 12 44

Last Survey

9th October

1945

On the

(State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Steel Single Screw Oil Tanker "EMPIRE FITZROY"

State Type

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

Special type (Restricted draft)

State Type of Erection

Raised Quarter Deck raised upper DR Joid Long Prop. Trans & Fils

TONNAGE under Tonnage Deck ...

581.43

CLASS

+ 100 A.1 With freeboard corresponding to a summer draught of 13' 0" as condition of Class

Built at

Ponthouse Glasgow

Launched

12th June 1945 Yard No. 1301

Builders

A. J. Inglis & Co.

Owners

Ministry of War Transport

Managers

British Tankers & Co.

Residence

Port of Registry

Glasgow

If surveyed while building, afloat, or in dry dock

Building and afloat

REGISTERED DIMENSIONS.

FEET

Length

193.0

32.0

14.55

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

FEET

190.0

Breadth (greatest moulded)

B

32.0

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

D

14.75

1st Longitudinal Number (L x D)

2803

2nd Numeral L x (B + D)

8883

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

-

Proportions—Depth to Length—Uppermost continuous deck to top of keel

12.88

Do. Long Bridge to top of keel

-

Draught Moulded

13.08

FRAMES, DOUBLE BOTTOM AND BEAMS.

Longitudinal Framing as per Page 5	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
MES, Spacing amidships	22 1/2	✓	Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead	22 1/2	✓	Reversed Frame		
" " in peaks	22	✓	Vertical Struts		
E. FRAMING.			Centre Girder, depth and thickness amidships	30 x 48	✓
Frame Amidships, Angle, E or F	7 3 33	✓	" " top Angles Double	3 3 44	✓
" " Extends up to	upper DR	✓	" " bottom Angles Double	3 1/2 3 1/2 38	✓
Reversed Frame Amidships, Angle	see plan	✓	Side Girders, No. each side and thickness	One 38	✓
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	19 1 30	✓
Depth of Framing Girder			" " Vertical Angle to Tank side	in Boiler Sp	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			Bracket abaft 1/2 len. from stem	Carried out to Ships Side	✓
Second 'tween Decks, Angle, E or F			Vertical Angle to Tank side	Tank Side brackets attached to upper bolt	✓
Third			Bracket from forward 1/2 len. from stem to Panting Area	by 3 x 3 1/2 43 L	✓
from 1/2 len. for'd. to 15 1/4 len. from Stem	7 3 33	✓	Gussets, spacing and scantling abaft 1/2 len. from stem		✓
" in Peaks, Angle E or F	5 3 35	✓	Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 4 1/2	✓	Tank Side Brackets, height above base line measured up at toe of Frame and thickness	19 1 30	✓
State if Frame Joggled	Yes	✓	INNER BOTTOM PLATING in Boiler Space	42 x 46	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as appd.	✓	Breadth and thickness of Middle Line Strake	46	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as appd.	✓	Thickness of remainder in Holds	46	✓
ANGLE BOTTOM. in Engine Space			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room?	Yes	✓
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame	Floors & Girders etc	✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or F	5 3 34	✓
Middle Line Keelson, on Floors, Angles, E or F	in Engine	✓	Raised. Quar in DR in way of Bridge, Angle, E or F	Ev. frame	✓
" " Through Plate or Inter-costal Plate	Space as per appd plan	✓	Spacing	5 3 32	✓
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or F		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or F		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or F	5 3 28	✓
DOUBLE BOTTOM. in Boiler Space	38 Ev. fr.	✓	Spacing	Ev. frame	✓
Solid Floors, thickness and spacing			Bridge Deck, Angle, E or F		
" " Are Frame and Reversed Frame joggled?	Frame only	✓	Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, E or F	5 3 32	✓
" " breadth and thickness at margin plate			Spacing	Ev. frame	✓

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	Centre line			Stringer Plate, breadth and thickness in way of Bridge			
" in 'tween Decks, Size and Spacing	Bulkhead			Thickness of Plating abreast Deck openings in way of Wells			
" " " " " "	in Cargo			Thickness of Plating abreast Deck openings in way of Bridge			
" " " " " "	Tanks, O.F			Thickness of Plating within line of openings...			
" in Holds " " " "	Bunkers,			If Sheathed, material and thickness.....			
" " " " " "	Cofferdams			Third Deck.			
Centre Line Bulkhead. in Cargo Tanks	and Pump			Stringer Plate, breadth and thickness.....			
Stiffeners and Spacing	Recess	9 3 1/2 45	✓	If Plated, state thickness			
Plating, thickness of	Ev. frame	30 2 36	✓	Fourth Deck.			
STRINGERS AND DECKS.				Stringer Plate, breadth and thickness.....			
Uppermost Continuous Deck.				If Plated, state thickness.....			
Stringer Plate, breadth and thickness in Wells	53 x 40		✓	Poop Deck.			
" " " " " in way of Bridge	35-30		✓	Stringer Plate, breadth and thickness.....		25	✓
" " " " " Angle in Wells	5 5 40		✓	Plating, Sheathing, material and thickness ...		25	✓
Thickness of Plating abreast Deck openings in way of Wells	35		✓	Bridge Deck. Trunk top ✓		71	35 ✓
Thickness of Plating abreast Deck openings in way of Bridge	35-30		✓	Stringer Plate, breadth and thickness.....		40	✓
Thickness of Plating within line of openings... (in way of Poop)	35-30		✓	Plating, Sheathing, material and thickness ...		30	✓
If Sheathed, material and thickness.....	Compo. in Cross spaces		✓	Forecastle Deck.			
Second Deck.				Stringer Plate, breadth and thickness.....		30	✓
Stringer Plate, breadth and thickness in Wells				Plating, Sheathing, material and thickness...		30	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	UPPER EDGES. <i>No</i> ✓ State if joggled?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.			
Flat Plate Keel.....	57½	.75 ✓	.75 ✓	.75 ✓	<i>see plan</i> <i>apptd .55-44</i>	Double ✓	3	3-2 ✓	3R ✓	3	38 ✓	Lapped	
Bottom Dblg. (if any)													
Bottom Plating, No. of Strakes <i>2</i> }		.45 ✓	.40 ✓	.40 ✓	<i>see plan</i> <i>apptd .40-33</i>	Double ✓	3/4	<i>2 1/2 in Way</i> 3-2 ✓	3R-2R ✓	3/4	28 ✓	Lapped	
Bilge Plating, No. of Strakes }		.40 ✓	.40 ✓	.33 ✓		Double-Single	"	"	"	"	"	"	
Side Plating, No. of Strakes }													
Upper Deck, Sheer-strake in Wells.....	63	40 ✓	.37 ✓						3R-2R	3/4	28 ✓	Lapped	
Upper Deck, Sheer-strake in Bridge		.60 at Poop Front .50 at Near R. Ford											
Strake below Sheer-strake in Wells.....		.40 ✓	.33 ✓			Single	3/4	3-2-3	"	3/4	28 ✓	Lapped	
Strake below Sheer-strake in Wells.....		.40 ✓	.37 ✓			Double-Single	"	<i>2 1/2 in Way</i> 3-2 ✓	"	3/4	28 ✓	"	
Strake below Sheer-strake in Bridge		.40 ✓		.33 ✓		"	"	"	"	"	"	"	
Poop Side Plating.....				.34 10 26 ✓	<i>see plan</i>				2R-1R ✓	"	"	"	
Bridge Side Plating.....				.26 ✓									
Forecastle Side Plating				.26 ✓		Single	3/4	3 ✓	1R ✓	3/4	28 ✓	Lapped	

WATERTIGHT BULKHEADS.

20-T. 94 Coll, 83, 81, 68, 53, 48, 33, 32, 27 & GAP
Total No. of W.T. BULKHEADS in Vessel—
Raised or Trunk top ✓ 10 ✓
Extending to, Upper Deck, (Sec. 3 c)
~~Deck next below~~
As per Rule approved ✓

FORGINGS AND CASTINGS.

	Casting or Forging.	Seantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	rolled			
STEM	Steel	6x1 1/2 ✓		
STERN FRAME { Propeller Post	Forging	6 1/2 x 4 ✓	T. S. Forster ✓	
{ Rudder	"	6 1/2 x 4 ✓	2 Sons & Co. ✓	
Speed of Vessel	Under	12 K ✓		
RUDDER—Type	Ordinary	✓		
" A x D	103-5 ✓			
" Diam. of head	Forging	5 1/2 ✓	T. S. Forster ✓	
" Mainpiece at top pintle	"	5 1/2 x 5 1/2 ✓	2 Sons & Co. ✓	
" " heel	Mainpiece & Cambs			
" how constructed	forged in one piece ✓			
" double or single plate	Double	38 ✓		
" coupling, vertical or	Horizontal	✓		
" horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	O.T. ✓					
MIDSHIP	BULKH'D, Upper 'tween decks					
"	Second					
"	Third					
"	Holds					
	(in Hold)					
COLLISION						
AFTER PEAK						

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Colville's hel* *Open Hearth*

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 Similar to "EMPIRE CAMPOEN" A.S. Regis No. 1300. (Glo Rpt 699)

Midship Section as built forwarded in advance.

The approved plans were forwarded with the report on the similar vessel referred to above.

The following forging reports are forwarded herewith:—Stemframe, Rudder, Teller.

PARTICULARS OF ELECTRIC WELDING (if employed) Shell rubbing bars, bulge keels, Trunk top to trunk side, butts of trunk top and trunk side plating, seams of tank top plating in Boiler Room, Raised Quarter Deck to Shell at aft end and other minor details

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Longitudinal framing at bottom and at deck, Oil Engine, Lloyd's A.C.P. Machy aft, Cruiser Stern, Wireless.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	13.1.7	J.H.J.	6949	30.5.45
	2nd "	13.0.21	S.P.R.	7029	7.7.45
	3rd "	12.1.21	A.E.G.	7657	6.7.45
	STREAM	4.3.0	A.E.G.	7733	21.8.45

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 58.4 ft., R.Q.D. 58.4 ft., TRUNK 92.0 ft., Forecastle 22.0 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 169450 Signal Letters — Extreme Breadth over Belting 32'-4" Over-all Length 201'-4 1/2"
(Circ. 1611) (Circ. 1703)

No. and Material of Decks One deck Steel

Parts of Bottom of Vessel coated with cement or approved composition Fore peak, aft peak, deep tank, double bottom tank in boiler space, Engine Room bulges and Pump Room

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,		31 S.W.
Double bottom, under Engines and Boilers,			After peak tank,		50 S.W.
Double bottom, if under Engines only,			Deep tank, aft, <u>Forward Cofferdam</u>	3.0	37 S.W.
Double bottom, if under Boilers only,	11'-3"	9.4	Deep tank, forward,	20.62	147 F.W.
Double bottom, forward,		11.8 T.S.W.	Other tanks, if fitted, <u>Aft Cofferdam</u>	3.0	43 S.W.
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		48 S.W.

Order for Special Survey No. 6767

Date 6.3.45

Dates of Surveys held while building

1944 Dec 21, 28, 1945 Jan 5, 10, 16, 31, Feb 8, 13, 15, 20, 24, May 1, 7, 15, 31, 27, 30, Sep 5, 13, 19, 23, 26, May 2, 7, 10, 14, 17, 21, 22, 23, 24, 25, 29, 31, Jun 1, 4, 6, 8, 10, 14, 20, Jul 10, 24, Aug 1, 7, 22, 30, Sep 3, 4, 7, 12, 13, 20, 27, Oct 4, 5, 9

Total No. of Visits 59

PARTICULARS OF LONGITUDINAL FRAMING.

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Foundation
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1m, 11, 12. T.