

Rpt. 1

DISCLOSED

## STEEL STEAMER OR MOTORSHIP

DISCLOSED

Received at London Office

2 NOV 1944

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 20<sup>th</sup> OCTOBER, 1944 Port of GLASGOWNo. 68936Survey held at GLASGOW Date First Survey 21<sup>st</sup> Dec 1943 Last Survey 16<sup>th</sup> October 1944On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SCREW OIL TANKER "EMPIRE JURA" (MACHINERY AFT)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections LONG POOP TRUNK & FORECASTLETONNAGE under Tonnage Deck 536.09Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓Total 536.09Gross Tonnage 812.69Register Tonnage 334.13

## REGISTERED DIMENSIONS.

FEET

Length 193.0Breadth 30.7Depth 13.8CLASS \* 100A1 "CARRYING PETROLEUM IN BULK" 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) 190.0Breadth (greatest moulded) B 30.5Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 14.01st Longitudinal Number (L x D) 26602nd Numeral L x (B + D) 8455Framing Depth "d," at middle of length. See Sec. 3 (1d) ✓Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.57Do. Long Bridge to top of keel ✓Draught Moulded 13'-0 5/8"Built at POINTHOUSE, GLASGOWLaunched 28<sup>th</sup> AUGUST, 1944 Yard No. 1282 P.Builders A. & J. INGLIS, LD.Owners MINISTRY OF WAR TRANSPORT.Managers COASTAL TANKERS, LD.

(Where necessary to be entered in Reg. Book)

Residence ✓Port 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 <u>FROM 35L TO FRAME 85</u>	22 1/2 ✓		<del>Bracket Floors, Frame</del>		
" " <u>FR. 85 TO FR. 87</u>	22 1/2 ✓		" " <del>Reversed Frame</del>		
" " <u>from 1/2 length amidships to FR. 87 to Collision bulkhead</u>	22 1/2 ✓		" " <del>Vertical Struts</del>		
" " in peaks <u>22</u>	22 ✓		Centre Girder, depth and thickness amidships <u>45 1/4 x 38</u>	45 1/4 x 38 ✓	
SIDE FRAMING.			" " top Angles <u>DOUBLE 3 1/2 3 1/2 34</u>	3 1/2 3 1/2 34 ✓	
Frame Amidships, Angle, <u>E or F</u>	7 3 33 ✓		" " bottom Angles <u>DOUBLE 3 1/2 3 1/2 38</u>	3 1/2 3 1/2 38 ✓	
" " IN WAY OF TRANSVERSES <u>UPPER DECK</u>	9 3 1/2 38 ✓		Side Girders, No. each side and thickness <u>ONE 28</u>	ONE 28 ✓	
" " Extends up to <u>UPPER DECK</u>	UPPER DECK ✓		Margin Plate depth (excl. of flange) and thickness <u>INNER BOTTOM IN ENG. SPACE ONLY &amp; CARRIED OUT TO SHIPS SIDE. TANK SIDE BRACKETS ATTACHED TO INNER BOTTOM BY 5x5x38 L</u>		
<del>Reversed Frame Amidships, Angle</del>			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem <u>63 x 30</u>	63 x 30 ✓	
<del>Extends up to</del>			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area <u>FL. 3"</u>	FL. 3" ✓	
<del>Depth of Framing Girder</del>			" " Gussets, spacing and scantling abaft 1/2 len. from stem <u>96 x 75</u>	96 x 75 ✓	
<del>Frames in Uppermost Continuous 'tween Decks, Angle, E or F</del>			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area <u>34</u>	34 ✓	
<del>Second 'tween Decks, Angle, E or F</del>			INNER BOTTOM PLATING, IN ENGINE SPACE		
<del>Third</del>			Breadth and thickness of Middle Line Strake <u>YES</u>	YES ✓	
<del>FRAME 71</del>			Thickness of remainder in Hold <u>YES</u>	YES ✓	
<del>from 1/2 len. for'd. to 15% len. from Stem</del>	7 3 40 ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Tankers and Boiler Room? <u>YES</u>	YES ✓	
<del>in Peaks, Angle E or F</del>	5 3 35 ✓		BEAMS.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships <u>3/4 @ 4 1/2</u>	3/4 @ 4 1/2 ✓		Uppermost Continuous Deck, amidships in Well, Angle, <u>E or F</u>	LONG BEAMS AS PER PAGE 5 ✓	
State if Frame Joggled <u>YES</u>	YES ✓		" " in way of Bridge, Angle, <u>E or F</u>	5 3 32 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? <u>YES</u>	YES ✓		Spacing <u>EVERY FRAME</u>	EVERY FRAME ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? <u>YES</u>	YES ✓		<del>Second Deck, amidships, Angle, E or F</del>		
SINGLE BOTTOM. IN BOILER SPACE			<del>Spacing</del>		
Floors, Depth and thickness at mid-line <u>24 x 40</u>	24 x 40 ✓		<del>Third Deck, amidships, Angle, E or F</del>		
<del>Height of Brackets at side above base line at toe of frame</del>	NONE ✓		<del>Spacing</del>		
Middle Line Keelson, on Floors, Angles, <u>DOUBLE 4 4 42</u>	DOUBLE 4 4 42 ✓		<del>Fourth Deck, amidships, Angle, E or F</del>		
" " Through Plate or Inter-coastal Plate <u>48</u>	48 ✓		<del>Spacing</del>		
" " Foundation Plate on Floors <u>12 x 48</u>	12 x 48 ✓		Poop Deck, Angle, <u>E or F</u>	5 3 28 ✓	
" " Flat Plate Keel Angles <u>3 1/2 3 1/2 42</u>	3 1/2 3 1/2 42 ✓		Spacing <u>EVERY FRAME</u>	EVERY FRAME ✓	
Side Keelsons, No. each side <u>ONE</u>	ONE ✓		<del>Bridge Deck, Angle, E or F</del>		
" " thickness of Intercoastal Plate <u>40</u>	40 ✓		<del>Spacing</del>		
" " Angles <u>DOUBLE 4 4 42</u>	DOUBLE 4 4 42 ✓		Forecastle Deck, Angle, <u>E or F</u>	5 3 32 ✓	
DOUBLE BOTTOM. IN ENGINE SPACE			Spacing <u>EVERY FRAME</u>	EVERY FRAME ✓	
Solid Floors, thickness and spacing <u>28 EVERY FRAME</u>	28 EVERY FRAME ✓				
" " Are Frame and Reversed Frame joggled? <u>YES</u>	YES ✓				
<del>Bracket Floors, breadth and thickness at middle line</del>					
<del>breadth and thickness at margin plate</del>					

(MADE IN ENGLAND.)

011478-011484-0196 1/3



## 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 BULKHEAD IN CARGO TANKS, O.F. BUNKERS, COFFERDAMS & PUMPROOM.		Stringer Plate, breadth and thickness in way of Bridge .....	
" in 'tween Decks, Size and Spacing .....			Thickness of Plating abreast Deck openings in way of Wells .....	
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge.....	
" in Holds " " "			Thickness of Plating within line of openings..	
" " " " " "			If Sheathed, material and thickness.....	
Centre Line Bulkhead. IN CARGO TANKS ✓	9 3/4 .38 ✓	ON EVERY FRAME ✓	Third Deck. Stringer Plate, breadth and thickness.....	
Stiffeners and Spacing .....	10 3/2 .40 ✓ IN N°1 TANK		If Plated, state thickness .....	
Plating, thickness of .....	.30 & .35 ✓ .40 IN N°1 TANK ✓		Fourth Deck. Stringer Plate, breadth and thickness.....	
STRINGERS AND DECKS.			If Plated, state thickness.....	
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	54 " .40 ✓		Poop Deck. Stringer Plate, breadth and thickness.....	71 x .30 - .25 ✓
" " " " in way of <del>Bulkhead</del> POOP ✓	.36 ✓ .48 ABREAST BOILER ✓		Plating, Sheathing, material and thickness ...	.30 - .25 ✓ COMPOS'D & LINO. IN ACCORD'N
" Angle in Well# .....	5 5 .40 ✓		Bridge Deck. TRUNK TOP ✓ Stringer Plate, breadth and thickness.....	66 " .35 ✓
Thickness of Plating abreast <del>Deck openings</del> } TRUNK	.35 ✓		Plating, <del>Sheathing, material and thickness</del> ...	.40 ✓
in way of Well# ..... }			Forecastle Deck. Stringer Plate, breadth and thickness.....	.30 ✓
Thickness of Plating abreast Deck openings } in way of <del>Bulkhead</del> POOP..... }	.25 ✓		Plating, <del>Sheathing, material and thickness</del> ..	.30 ✓
Thickness of Plating within line of openings...	.25 ✓			
If Sheathed, material and thickness.....	CENTRE LINE & LINO. IN POOP ACCORD'N ✓			
<del>Second Deck.</del> <del>Stringer Plate, breadth and thickness in Wells</del>				

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	UPPER EDGES. State if jogged? <i>No</i>			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.....	<i>54</i>	<i>75</i>	<i>75</i>	<i>75</i>	<i>APPROVED .55-.44</i>	<i>DOUBLE</i>	<i>7/8</i>	<i>3-2</i>	<i>3R</i>	<i>7/8</i>	<i>3 1/8</i>	<i>LAPPED</i>
" <del>Dble.</del> (if any)												
Bottom Plating, No. of Strakes ..... <i>2</i> <sup><i>AB</i></sup>		<i>.45</i>	<i>.40</i>	<i>.40</i>	<i>APPROVED .40-.33</i>	<i>DOUBLE</i>	<i>3/4</i>	<i>2 1/2 IN WAY OF OIL 3 CLEAR OF OIL</i>				
Bilge Plating, No. of Strakes ..... <i>1</i>		<i>.40</i>	<i>.37</i>	<i>.35</i>		<i>DOUBLE-SINGLE</i>	<i>"</i>	<i>"</i>				
<del>Side Plating, No. of Strakes</del> .....												
Upper Deck, Sheer- strake in Well..... <i>48</i>		<i>.40</i>	<i>.37</i>									
			<i>.60 AT POOP FRONT</i>									
Upper Deck, Sheer- strake in <del>Bridge</del> <sup><i>POOP</i></sup> .....		<i>.40</i>	<i>.33</i>			<i>SINGLE</i>	<i>3/4</i>	<i>3-2-3</i>				
Strake below Sheer- strake in Well..... <i>65 1/2</i>		<i>.40</i>	<i>.37</i>			<i>DOUBLE-SINGLE</i>	<i>"</i>	<i>2 1/2 IN WAY OF OIL 3 CLEAR OF OIL</i>				
Strake below Sheer- strake in <del>Bridge</del> <sup><i>POOP</i></sup> .....		<i>.40</i>	<i>.33</i>			<i>"</i>	<i>"</i>	<i>"</i>				
Poop Side Plating.....			<i>.38-25</i>									
<del>Bridge Side Plating</del> .....												
Forecastle Side Plating			<i>.25</i>			<i>SINGLE</i>	<i>3/4</i>	<i>3</i>				

ALL SHELL BUTTS WELDED

## WATERTIGHT BULKHEADS.

& O.T.  
 Total No. of W.T. BULKHEADS in Vessel— 9  
 Extending to <sup>1</sup> ~~Upper Deck~~ **TRUNK TOP** 6  
 " <sup>1</sup> ~~Deck next below~~ **UPPER** 3  
 As per Rule **APPROVED**

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
<del>KEEL, Bar</del> .....				
STEM .....	ROLLED STEEL	6 1/2 x 1 3/8 ✓		
STERN FRAME {	Propeller Post .....	FORGING 6 1/8 x 4	T.S. FORSTER ✓	
{	Rudder .....	" 5 3/4 x 4	B SONS, LTD. ✓	
Speed of Vessel .....	UNDER 12 KNOTS.			
RUDDER—Type .....	ORDINARY ✓			
" A x D. ....	91.59 ✓			
" Diam. of head .....	FORGING 5 7/16 ✓		T.S. FORSTER	
" Mainpiece at top pintle .....	" } 5 1/2" F.B.A. ✓		B SONS, LTD.	
" " heel .....	" } 5 7/8" ATHW. ✓			
✓ " how constructed .....	MAIN PIECE & ARMS FORGED IN ONE PIECE ✓			
" double or single plate .....	DOUBLE .38 ✓			
" coupling, vertical or .....				
" horizontal .....	VERTICAL ✓			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
O.T.						
MIDSHIP BULKH'D, Upper 'tween decks						
55	55	<del>Second</del>				
55	55	<del>Third</del>				
55	55	Holds .....	35	9x3½x38 B.A.	28½	GIRDER AT UPPER DECK LEVEL
COLLISION		(in Hold) .....	40-30	7x3x38 B.A.	24	DEEP TANK FLAT
AFTER PEAK		.....	42-30	8x3x35 B.A. 7x3x30 O.A.	24	NONE

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Bolwill's Ltd. ✓* *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 a sister to the "EMPIRE DOMBAY" (please see Glasgow Report N° 68627)

Midship section "as built" forwarded herewith

The following approved plans are forwarded herewith:—

Profile & Leaks  
Rudder & Sternframe  
B.S. Transverse Bulkheads  
B.S. Bunker & N° 1 Cargo Tank  
Swinging List  
Fore End Framing  
Aft End Framing  
Break of shell at poop from bulkhead  
Engine & Boiler casings  
Reservoirs for sea inlets  
Pump seats  
Bilge & Ballast Pumping Arrangement  
Shell Expansion.

The following forging & casting reports are forwarded herewith—

Rudder  
Sternframe  
Filler & Quadrant.

Please return the above plans for use in connection with the sister vessels now under construction.

PARTICULARS OF ELECTRIC WELDING (if employed)

All butts of shell plating (excluding keel), shell rubbing bars, bilge keels, trunk top to trunk side, butts of trunk top & trunk side plating, fore-castle & poop deck seams & butts, tank top plating seams & butts, & other minor items.

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

Longitudinal framing at bottom and at deck; Lloyds A & C.P.; Machy aft; wireless; Butts of shell plating, except keel, elec. welded.

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

1st Bower 12.3.14 (INC. PIN) K.L. 5797 30.7.43  
2nd " 12.0.7 (INC. PIN) A.E.G. 4951 27.4.43  
3rd " "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 65.82 ft., <sup>TRUNK</sup> R.C.D. 101.6 ft., Bridge ☒ ft., Fore-castle 22.1 ft.

(in feet and tenths). When the Poop or Fore-castle are joined to the B.D., this should be distinctly stated.

Official No. 169419 Signal Letters <sup>STEEL</sup> Extreme Breadth over Belting AMIDSHIPS 30'-10" Over-all Length 202'-3" (Circ. 1611) " " IN WAY OF POOP 32'-0 1/2" (Circ. 1703)

No. and Material of Decks 1 deck Steel

Parts of Bottom of Vessel coated with cement or approved composition Aft peak, double bottom in engine space, boiler room, 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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
<del>Double bottom, aft,</del>			Fore peak tank,	13.2	16
<del>Double bottom, under Engines and Boilers,</del>			After peak tank,	13.3	25
Double bottom, if under Engines only,	20.6	27	Deep tank, aft, FORWARD COFFERDAM	3.0	20
<del>Double bottom, if under Boilers only,</del>			Deep tank, forward,	16.1	44
<del>Double bottom, forward,</del>			Other tanks, if fitted, AFTER COFFERDAM	3.0	40
Total length (if continuous) and Capacity.	20.6	27	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6735

Date 14.3.44

Dates of Surveys held while building

1943 Dec 21 1944 Feb 11 17 23 25 Mar 2 13 20 28 30 Apr 4 6 11 13 17 21 24 May 1 5 9 12 15 17 23 25 Jun 1 7 9 20 22 28 30 July 18 19 20 21 24 25 31 Aug 2 4 7 9 10 11 14 16 17 18 22 23 24 25 28 Sep 4 7 14 18 19 20 22 28 29 30 Oct 3 4 11 16

Total No. of Visits 71



FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
	In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads, Inches.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam. Ins.	Speng. Ins.		Number.	Diameter. Inches.
Framing of <b>L, L or E</b> .....												
Frames in Bridge between Decks .....												
Frames from Uppermost Continuous Deck 5. No. 1	10	3 1/2	40	9	3 1/2	38	IN N° 1 TANK	3/4	3 3/8	IN N° 1 TANK	12	7/8 TO LONG
CENTRE LINE BHD.												
P.B.S. " 2		"			"							
P.B.S. " 3		"			"							
P.B.S. " 4		"			"							
" 5												
" 6												
" 7												
" 8												
" 9												
" 10												
" 11												
" 12												
" 13												
" 14												
" 15												
" 16												
Spacing of Longitudinal Frames	Amidships 2' 4 1/2"			At Ends 2' 4 1/2"								
Double Bottoms L, L or C	Tank Top Longitudinals			Bottom "								
Spacing of Longitudinals	Amidships			At ends...								
Transverses.												
Side (in 'tween Decks)	Depth and Thickness			Face Angles								
Side (in Hold)	Depth and Thickness			Face Angles								
Bottom	Depth and Thickness			Face Angles								
	Lugs to Shell*			Lugs to Shell*								
	Back Bars			Back Bars								
	Brackets			Brackets								
Spacing of Transverse Frames	9' 4 1/2" & 7' 6"			9' 4 1/2" & 7' 6"								
	JOGGED			27 1/2" IN N° 1 TANK								
Longitudinal Beams of L, L or E	TRUNK TOP Bridge Deck			Upper DECK								
	Second "			Third "								
	TRUNK TOP			Upper DECK								
	Second "			Third "								
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	TRUNK TOP			Upper DECK								
	Second "			Third "								
	TRUNK TOP			Upper DECK								