

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 **30TH JUNE, 1944**Port of **GLASGOW**No. **68627**Survey held at **GLASGOW**Date First Survey **24-6-43**Last Survey **27-6-1944**On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **STEEL SINGLE SCREW OIL TANKER "EMPIRE DOMBEY" (MACHINERY AFT)**State Type (Full Scantling Complete Superstructure with or without Tonnage Openings) **FULL SCANTLING**State Type of Erections **LONG POOP, TRUNK & FORECASTLE**TONNAGE under Tonnage Deck ... **536.09**Do. of space or spaces between Tonnage Dk. Upper Dk. **✓****536.09**Tonnage **812.69**Net Tonnage **334.13**

REGISTERED DIMENSIONS.

Length **193.0**
 Breadth **30.7**
 Depth **13.8**

CLASS *** 100 A1**State if with freeboard as condition of Class **NO**Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) **190.0**Breadth (greatest moulded) **B 30.5**Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 14.0**1st Longitudinal Number (L x D) **2660**2nd Numeral L x (B + D) **8455**Framing Depth "d," at middle of length. See Sec. 3 (1d) **✓**Proportions—Depth to Length—Uppermost continuous deck to top of keel **13.57**Do. Long Bridge to top of keel **✓**Draught Moulded **13.0 5/8**Built at **POINTHOUSE, GLASGOW**Launched **15TH MAY, 1944** Yard No. **1227P**Builders **A. & J. INGLIS, LTD.**Owners **MINISTRY OF WAR TRANSPORT**Managers **F.T. EVERARD & SONS, LTD.**
(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. FROM 48L TO FRAME 85 FR. 85 TO FR. 87 from 3 length amidships to FR. 87 to Collision bulkhead.	22 1/2 22 1/2 22 1/2	✓ ✓ ✓	Bracket Floors, Frame		
" " in peaks	22	✓	" " Reversed Frame		
SIDE FRAMING.			" " Vertical Struts		
Frame Amidships, Angle, E or F	7 3.33	✓	Centre Girder, depth and thickness amidships	45 1/2 x 38	✓
" " IN WAY OF TRANSVERSES E	9 3 1/2 .38	✓	" " top Angles DOUBLE	3 1/2 3 1/2 .34	✓
" " Extends up to UPPER DECK		✓	" " bottom Angles DOUBLE	3 1/2 3 1/2 .38	✓
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	ONE .28	✓
" " Extends up to			Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	INNER BOTTOM IN ENG. SPACE ONLY & CARRIED OUT TO SHIP'S SIDE.	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	TANK SIDE BRACKETS ATTACHED TO INNER BOTTOM BY 5 x 5 x 38 L	
" " Second 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Third FRAME 71			" " 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	7 3 .40	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	63 x .30 FL. 3"	✓
" " in Peaks, Angle or E	5 3 .35	5 x 3 x .35 O.A.	INNER BOTTOM PLATING IN ENGINE SPACE		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 4 1/2	✓	Breadth and thickness of Middle Line Strake	96 x .75	✓
State if Frame Joggled	YES	✓	Thickness of remainder in Hold	.34	✓
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. IN BOILER SPACE			Uppermost Continuous Deck, amidships in Well, Angle E or F	LONG BEAMS AS PER PAGE 5	✓
Floors, Depth and thickness at mid-line in Hold	24 x .40	✓	" " in way of Poop, Angle, E or F	5 3 .32	✓
Height of Brackets at side above base line at toe of frame	NONE	✓	Spacing	EVERY FRAME	✓
Middle Line Keelson, on Floors, Angles, E or F	4 4 .42	✓	Second Deck, amidships, Angle, E or F		
" " Through Plate or Inter-coastal Plate	.48	✓	Spacing		
" " Foundation Plate on Floors	12 x .48	✓	Third Deck, amidships, Angle, E or F		
" " Flat Plate Keel Angles	3 1/2 3 1/2 .42	✓	Spacing		
Side Keelsons, No. each side	ONE	✓	Fourth Deck, amidships, Angle, E or F		
" " thickness of Intercostal Plate	.40	✓	Spacing		
" " Angles	4 4 .42	✓	Poop Deck, Angle, E or F	5 3 .28	✓
DOUBLE BOTTOM. IN ENGINE SPACE			Spacing	EVERY FRAME	✓
Solid Floors, thickness and spacing	.28 EVERY FRAME	✓	Bridge Deck, Angle, E or F		
" " Are Frame and Reversed Frame joggled?	YES	✓	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	EVERY 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 BULKHEAD IN CARGO TANKS, D.F. BUNKERS, COFFERDAMS & PUMP ROOM			
" in 'tween Decks, Size and Spacing				
" " " " "				
" in Holds " " "				
" " " " "				
Centre Line Bulkhead. IN CARGO TANKS [9 3 1/2 .38 ✓ Stiffeners and Spacing [10 3 1/2 .40 ON EVERY FRAME IN N°1 TANK				
Plating, thickness of30 & .35 ✓ .40 IN N°1 TANK				
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Well 54 x .40 ✓ POOP .36 ✓ " " " " in way of Bridge .48 ACREAST BOILER ✓ " Angle in Well 5 5 .40 ✓ TRUNK Thickness of Plating abreast Deck openings } in way of Wells35 ✓ Thickness of Plating abreast Deck openings } in way of Bridge POOP25 ✓ Thickness of Plating within line of openings... .25 ✓ COMPOS. & LINO. If Sheathed, material and thickness..... IN POOP ACCOM. ✓				
Second Deck. Stringer Plate, breadth and thickness in Wells				
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..... 71 x .30 - .25 ✓ Plating, Sheathing, material and thickness30 - .25 ✓ (COMPOS. & LINO. IN ACCOM.) ✓ Bridge Deck TRUNK TOP Stringer Plate, breadth and thickness..... 66 x .35 ✓ Plating, Sheathing, material and thickness40 ✓ Forecastle Deck. Stringer Plate, breadth and thickness..... .30 ✓ Plating, Sheathing, material and thickness... .30 ✓				

SHELL PLATING.

SCANTLINGS.

STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	UPPER EDGES.			RIVETING.					
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	NO	BUTTS.						
	Breadth.	Thickness.	Thickness.	Thickness.				SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Inches.	Inches.	Inches.	Inches.					Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	54	75	75	75	APPROVED 55-44	DOUBLE	7/8	3.2	3R	7/8	3 1/8	LAPPED		
„ Dble. (if any)														
Bottom Plating, No. of Strakes 2.....		45	40	40	APPROVED 40-33	DOUBLE	3/4	2 1/2" IN WAY OF OIL 3" CLEAR OF OIL						
Bilge Plating, No. of Strakes 1.....		40	37	35		DOUBLE-SINGLE	"	"						
Side Plating, No. of Strakes														
Upper Deck, Sheer- strake in Well.....	48	40	37											
Upper Deck, Sheer- strake in Bridge POOP		40	60 AT POOP FRONT	33		SINGLE	3/4	3.2-3						
Strake below Sheer- strake in Well.....	65 1/2	40	37			DOUBLE-SINGLE	"	2 1/2" IN WAY OF OIL 3" CLEAR OF OIL						
Strake below Sheer- strake in Bridge POOP		40		33		"	"	"						
Poop Side Plating.....				38-25										
Bridge Side Plating														
Forecastle Side Plating			25			SINGLE	3/4	3						

ALL SHELL BUTTS WELDED

WATERTIGHT BULKHEADS.

2 0.7.
 Total No. of W.T. BULKHEADS in Vessel— 9
 ^N ~~TRUNK TOP~~
 Extending to ~~Upper Deck~~ (Sec. 3 c) 6 ✓
 ^N ~~UPPER~~
 „ Deck next below 3
 As per Rule ~~APPROVED~~

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
STEM, Bar				
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 1/4 x 4	R. & SONS, LTD	
Speed of Vessel		UNDER 12 KNOTS		
RUDDER—Type		ORDINARY		
" A x D		31-59		
" Diam. of head		FORGING 5 7/16		
" Mainpiece at top pintle		" 5 1/2" FRA	T.S. FORSTER	
" " heel		" 5 1/8" ATHN.	R. & SONS, LTD	
" how constructed		MAIN PIECE & ARMS FORGED IN ONE PIECE		
" double or single plate		DOUBLE 38		
" coupling, vertical or horizontal		VERTICAL		

STIFFENERS.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
0.7. MIDSHIP BULKH'D, Upper 'tween decks					
" " Second					
" " Third					
" " Holds		35	9 x 3 1/2 x 388A	28 1/2	GIRDER AT UPPER DECK LEVEL
COLLISION " (in Hold)		40-30	7 x 3 x 388A	24	DEEP TANK FLAT
AFTER PEAK " "		42-30	8 x 3 x 388A 70 x 3 x 300A	24	NONE

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).

Has the Steel been tested as required by the Rules?

177.05 ³/₃

6. 44

EQUIPMENT No. 9392										LETTER K		ANCHORS.			
Number of Certificate.	Anchors.	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.				
5274	1st Bower	19	1	11	STOCKLESS			20	4	0	7	19 (STOCKLESS)	BYERS STOCKLESS		SUNDERLAND 18.2.44 R. J. VOGAN
25553	2nd "	19	0	19	"			20	1	3	14	19	"		SUNDERLAND 30.3.44 R. J. VOGAN
	3rd "											16 1/4	"		
	Collective weight											54 1/4	"		
7322	Stream	5	1	0	1	1	10	7	11	3	14	5 1/4 (EX STOCK)	ORDINARY F.W.I.		CRADLEY HEATH 22.2.44 W. V. NORMAN

CHAIN CABLES.														HAWSERS AND WARPS.								
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		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 53.				
	Length.	Diam.	Statutory.	Break-ing.	Supplied.			Per Rule.	Length.	Diam.					Length.	Diam.		Fathoms	Ins.	Tons.	Fathoms	Ins.
					Cwts.	qrs.	lbs.															
2651	179	1 5/16	31	46 1/2	162	1	7/8	185 1/2	210	1 5/16	STUD LINK	✓	NETHERTON 10.5.44 J. A. RELE ✓	TOWLINE	90	3	18.6	90	3			
														HAWSERS & WARPS	90	2 1/4	10.8	90	2 1/4			
														"	90	1 3/4	6.4	90	1 3/4			
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Steering Gear, Type (Power ~~or~~ *Hand*) *Hastie's Steam telemotor* Alternative Means of Steering *Block & tackle led to steam capstan on poop.*

Steering Chains (Size and Test) *✓* Windlass *Emerson Walker* Boats *2 22'6" lifeboats fitted with motors.*

Ceiling in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *None*

Cargo Hatchways. *Trunk top* *Bull angle coamings* Thickness of Hatches *steel hinged covers.*

Size of Hatchways No. 1 (Fwd.) *Hold 3'9" x 5'0"* *Fore cofferdam* *Main oil tanks* No. 2 *2'0" x 2'0"* No. 3 *2'6" x 2'6"* No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters *None* Builder's Signature *A. & J. INGLIS LIMITED.*
W. B. Milne

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. *✓* 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 ship has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with, or equivalent to, those shown on the approved plans. The workmanship and materials are good. The cargo oil tanks, oil fuel bunkers, settling tank, after cofferdam, forward cofferdam, fore peak tank, aft peak tank, forward deep tank & double bottom tank in engine room were tested as required by the Rules and found satisfactory. Weather decks have tested & found satisfactory. Freeboard verified and marks out in. Steering gear & windlass tried under working conditions and found satisfactory. Oil fuel is carried in oil fuel bunkers & settling tank at forward end of boiler space; also in fore peak & forward deep tank. Flash point above 150°F. Section 20 of the Rules complied with where applicable. Anchors & cables in accordance with war emergency requirements (1 bower anchor & 30 fms. cable to supply).

The amount of Entry Fee..... £ 4 : 0 : 0 Fees applied for, *4 JUL 1944* (Special notations, where part of class, to be stated.)

Special Survey Fee..... £121 : 19 : 0 Received by me, 19

SUPERVISION OF SPECIFICATION 30 : 9 : 9

Travelling Expenses, if any £ 8 : 0 : 0

FREEBOARD

State whether the Vessel has been built under Special Survey *Yes*

Certificate to be sent to *GLASGOW* Date of issue *17/7/44*

Committee's Minute *GLASGOW 4 JUL 1944*

Character assigned *-1- 100 A1* *6.44*

Carrying Petroleum in Bulk

Lloyd's Assoc.

Note: Expt.

Fitted for oil fuel 6.44 & above 150°F.

Longitudinal Framing at Bottom & at Deck

The Surveyors are requested not to write on or below the Committee's Minutes.

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 HARVEST" (please see Glasgow Report N° 67910)

Midship section as built forwarded in advance.

The following approved plans are forwarded herewith:-

Midship section
Profile & Decks.
Rudder & Sternframe
C.I. Transverse Bulkheads
C.I. Bunker & N° 1 Cargo Tank
Riveting List
Fore End Framing
Aft End Framing
Break of Shell at Poop from Bulkhead.
Engine & Boiler basings
Reservoirs for Sea Inlets
Pump tests
Bilge & Ballast Pumping Arrangement
Shell Expansion

The following forging & casting reports are forwarded herewith -

Rudder
Sternframe
Teller & 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, forecabin & 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. Lloyd's A.C.P., Machy. aft. Wireless.

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

1st Bower	12. 2. 25 (INC. PINS.)	J.H.W.	5814	6. 8. 43
2nd "	12. 2. 19 " "	J.H.W.	5839	18. 8. 43
3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 65.82 ft., ^{TRUNK} R.O.D. 101.6 ft., Bridge ✓ ft., Forecastle 22.1 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. ✓

Official No. 169413 Signal Letters MQFS Extreme Breadth over Belting AMIDSHIPS 30' 10" Over-all Length 202' 3" (Circ. 1611) STEEL " " IN WAY OF POOP 32' 0 1/4" (Circ. 1703)

No. and Material of Decks 1 deck, steel

Parts of Bottom of Vessel coated with cement or approved composition

room, and pump room

Aft peak, double bottom in engine space, boiler

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,	13.2	16
Double bottom, under Engines and Boilers,			After peak tank,	13.3	25
Double bottom, if under Engines only,	20.6	27	Deep tank, aft, FORWARD COFFERDAM	3.0	20
Double bottom, if under Boilers only,			Deep tank, forward,	16.1	44
Double bottom, forward,			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. 6688

Date 14. 1. 43

Dates of Surveys held while building

1943 Jan 24 Aug 18 24 27 Sep 10 29 Nov 11 16 22 26 29 Dec 7 10 15 21 24 29 30 1944 Jan 5 7 12 17 18 20 21 25 27 28 Feb 11 14 17 18 22 23 25 Mar 4 12 13 14 17 20 22 23 28 29 30 Apr 6 11 12 13 18 19 21 24 25 26 27 29 May 1 2 3 5 8 9 10 11 12 13 15 17 23 24 25 29 Jun 6 10 13 17 19 20 21 22 23 24 26 27

Total No. of Visits 89