

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

6th Sept 1941

Port of

GLASGOW.

No. 64315

Survey held at

GLASGOW.

Date First Survey

24th July 1940

Last Survey

28th August

1941

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

SINGLE SCREW.

"EMPIRE MALLORY"

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

C.S.B. WITHOUT TONNAGE OPENING.

State Type of Erections FORECASTLE

TONNAGE under Tonnage Deck...

5954.50

CLASS ***100A1**

"WITH FREEBOARD"

State if with freeboard as condition of Class

YES.

Built at SCOTSTOWN - GLASGOW.

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

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

L 401.0

Launched 9th JULY 1941

Yard No. 434

Total

5954.50

Breadth (greatest moulded)

B 54.5

Builders CHARLES CONNELL & CO. LTD.

Gross Tonnage

6327.45

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

CORR^d 35.66

DACT 36.5

Owners HIS MAJESTY REPRESENTED BY THE MINISTER OF SHIPPING

Register Tonnage

4592.35

1st Longitudinal Number (L x D) = 14300

2nd Numeral L x (B + D) = 36154

Managers H. HOGARTH & SONS.

(Where necessary to be entered in Reg. Book.)

Residence 120 ST VINCENT STREET GLASGOW. C2. & ARDROSSAN.

REGISTERED DIMENSIONS. FEET.

Length

407.05

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

23'-6"

Breadth

54.75

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

10.99

Depth

33.2

Do. Long Bridge to top of keel

Draught Moulded

26'-4"

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 | 27" | | Bracket Floors, Frame | 6 3/2 7/16 | |
| " " from 2/3 length amidships to Collision bulkhead | 27" | | " " Reversed Frame | 6 3/2 7/16 | |
| " " in peaks | 24" | | " " Vertical Struts | 1 ANG 6 3/2 50 2 B.A. 10 3/2 7/16 | |
| IDE FRAMING. | | | Centre Girder, depth and thickness amidships | 50 1/2 | 47 |
| Frame Amidships, Angle, E or F | 12 3 1/2 45 | | " " top Angles | 3 1/2 3 1/2 7/16 | |
| " " Extends up to | 2 ND DECK | | " " bottom Angles | 4 4 9/16 | |
| Reversed Frame Amidships, Angle | | | Side Girders, No. each side and thickness | 1 2 35 | |
| " " Extends up to | | | Margin Plate depth (excl. of flange) and thickness | 4 1/2 53 | |
| Depth of Framing Girder | | | " " Vertical Angle to Tank side | 3 1/2 3 1/2 7/16 | |
| Frames in Uppermost Continuous 'tween Decks, Angle, E or F | 6 3 1/2 7/16 | | " " Bracket abaft 1/2 len. from stem | 3 1/2 3 1/2 7/16 | |
| " " Second 'tween Decks, Angle, E or F | 8 3 1/2 7/16 | | " " Vertical Angle to Tank side | 3 1/2 3 1/2 7/16 | |
| " " Third | 12 3 1/2 45 | | " " Bracket from forward 1/2 len. from stem to Panting Area | 3 1/2 3 1/2 7/16 | |
| " " from 1/2 len. for'd. to 15% len. from Stem | 7 3 1/2 45 | 15" GIRDER | " " Gussets, spacing and scantling abaft 1/2 len. from stem | 41 PLATE EVERY FRAME | |
| " " in Peaks, Angle or F | 8 3 1/2 7/16 | 4" GIRDER | " " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area | 41 PLATE EVERY FRAME | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | 7/8 R 2 6 1/4 | | Tank Side Brackets, height above base line at toe of Frame and thickness | 80 42 | |
| State if Frame Joggled | YES. | | INNER BOTTOM PLATING. | | |
| Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? | AS APPROVED. | | Breadth and thickness of Middle Line Strake | 53 51 | |
| Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? | AS APPROVED. | | Thickness of remainder in Holds | 41 INCREASED 08 UNDER HATCHES | |
| DOUBLE BOTTOM. | | | 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. | |
| Floors, Depth and thickness at mid-line in Holds | | | BEAMS. | | |
| Height of Brackets at side above base line at toe of frame | | | Uppermost Continuous Deck, amidships | 7 3 33 | |
| Middle Line Keelson, on Floors, Angles, E or F | | | " " in Wells, Angle, E or F | AS APPROVED. | |
| " " Through Plate or Intercostal Plate | | | " " in way of Bridge, Angle, E or F | EVERY FRAME | |
| " " Foundation Plate on Floors | | | Second Deck, amidships, Angle, E or F | 8 3 1/2 35 | |
| " " Flat Plate Keel Angles | | | " " Spacing | AS APPROVED. EVERY FRAME | |
| Keelsons, No. each side | | | Third Deck, amidships, Angle, E or F | | |
| " " thickness of Intercostal Plate | | | " " Spacing | | |
| " " Angles | | | Fourth Deck, amidships, Angle, E or F | | |
| DOUBLE BOTTOM. | | | " " Spacing | | |
| Middle Floors, thickness and spacing | 38 EVERY 3 RD FR | | Poop Deck, Angle, E or F | | |
| " " Are Frame and Reversed Frame joggled? | YES. | | " " Spacing | | |
| Bracket Floors, breadth and thickness at middle line | 31 1/4 38 | | Bridge Deck, Angle, E or F | | |
| " " breadth and thickness at margin plate | 32 1/4 38 | | " " Spacing | | |
| | | | Forecastle Deck, Angle, E or F | 10 3 1/2 7/16 | |
| | | | " " Spacing | 7 ALT ^d FRAMES | |

0164 3A

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 is a sister to "EMPIRE GLEN" S/S Rep No 64061

Plans

(1) Midship Section.

(2) Profile

(3) Sternpost

(4) Rudder

(5) Decks

(6) Painting Arrangements

(7) Hatch Webs

(8) Pillars & Binders

(9) W.T. Bulkheads

(10) " " Tween Decks

(11) Coal Bunkers

(12) Pillar Head Connections

(13) Emergency Steering Gear

(14) Casings

(15) Harts

(16) Pumping Arrangements

(17) Quadrant & Tiller

(18) Centre Line Bulkhead

(19) Tunnel

Midship Section (as built).

Fittings & Castings

Sternframe

Rudder

Quadrant

Tiller

PARTICULARS OF ELECTRIC WELDING (if employed)

Pillar Heads & Beels.

Other minor details.

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

Wireless. Directional Finder. Lloyd's A & C.P. 2 DKS.

754 (Bell to W.D., 6 BH to 2nd D.S.) "5 Divisional N.T. BH in Tween Decks"

| Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test. | 1st Bower | WEIGHT HEAD & PIN. 40-0-7 | SURV. INITS. H.B.J. | CERT NO. 3490 | DATE OF TEST 11.10.40 |
|---|-----------|------------------------------|------------------------|------------------|--------------------------|
| | 2nd " | 40-1-14 | J.T. | 3473 | 30.9.40 |
| | 3rd " | | | | |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 32.5 ft.

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

Official No. 168684 Signal Letters Extreme Breadth over Belting (Circ. 181) Over-all Length (Circ. 1703) 420'-0"
No. and Material of Decks 2 DKS.
Parts of Bottom of Vessel coated with cement or approved composition Portland cement in Dry Tank in double bottom & in Peaks.

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, | 117.0 | 392.0 | Fore peak tank, | | |
| Double bottom, under Engines and Boilers, | | | After peak tank, | | |
| Double bottom, & under Engines only, | 22.5 | 119.0 | Deep tank, aft, | | |
| Double bottom, & under Boilers only, DRY TANK (W.T.C.) | 18.0 | | Deep tank, forward, | | |
| Double bottom, forward, | 186.75 | 787.0 | Other tanks, if fitted, | | |
| Total length (if continuous) and Capacity | 344.25 | 1298.0 | (If necessary, furnish further information by sketch.) | | |

Order for Special Survey No. 6528

Date 9.4.40

Dates of Surveys held while building

1940 July: 24 Oct: 1.25 Nov: 12.22.29 Dec: 3.9.16.18.26 (1941) Jan: 8.10.15.20.22.30 Feb: 3.5.10.11.12.14.18.20.25 Mar: 4.7.11.18.25.27 Apr: 1.4.9.11.16.18.24.28.30 May: 2.7.11.29 June: 2.5.6.9.10.12.13.16.17.19.20.23.24.27 July: 1.2.3.4.8.9.11.24.29 Aug: 4.12.15.20.22.27.28

Total No. of Visits 77

Rpt. 9a.

Port of Glasgow.

Continuation of Report No. 64315 dated 28.8.41 on the

S/S. "EMPIRE MALLORY"

Damage caused through enemy action by bombing during air raid on the evening of the 7th April and morning of 8th April 1941.

Loss done. (Lumber count from aft). Foul on strake, Nth berth in Charles Bonnell & Co. Yard.

Shell (P. Side). J. Strake Nos 13 & 14 rolled, & replaced at berth.

Double Bottom Floors. (P. Side). No 50 Skeleton floor bracket at margin failed in place.

B.A. Frame cropped & part renewed. Butt need & welded.

No 51 Skeleton floor bracket at margin failed in place, & B.A. frame failed in place.

No 52 Solid floor at margin failed in place & angle frame cropped & part renewed. Butt need & welded.

Side Frames. (P & S). all fore & aft shored up & failed.

2nd Deck Plating from Engine Room Bulkhead to Stern failed & rebolted.

Keel blocks, Side Shores, & Deck Shores renewed & refitted as required.

Damage report attached. Damage report also made by J. B. Cousins on behalf of Admiralty.

R. Dunsen