

STEEL STEAMER or MOTORSHIP.

Received at London Office ... -6 FEB 1942

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel from hereDate of completion of report 4th February 1942Port of SunderlandNo. 33310Survey held at SunderlandDate First Survey 5th May 1941Last Survey 29th January 1942

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

S.S. EMPIRE AIRMAN

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

Full ScantlingState Type of Erections Prop. tide

TONNAGE under Tonnage Deck...

8894.78CLASS -100A1

State if with freeboard as condition of Class

NoBuilt at Sunderland

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 476.43Launched 18.11.41 Yard No. 739

Total

Breadth (greatest moulded) B

68.0Builders Sir James Laing & Sons Ltd

Gross Tonnage

9813.34

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

36.0Owners Ministry of War Transport

Register Tonnage

5781.70

1st Longitudinal Number (L x D)..... =

✓

Managers

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

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

✓

Residence

REGISTERED DIMENSIONS.

FEET.

Length

484.00

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

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

Breadth

68.30

Do. Long Bridge to top of keel ✓

Depth

36.30Draught Moulded 28.04If surveyed while building, afloat, or in dry dock Yes

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 | ✓ | | Bracket Floors, Frame | ✓ | |
| " " from $\frac{3}{8}$ length amidships to Collision bulkhead..... | <u>24" x 21"</u> ✓ | | " " Reversed Frame | ✓ | |
| " " in peaks..... | <u>24"</u> ✓ | | " " Vertical Struts | ✓ | |
| SIDE FRAMING, LONGITUDINAL ✓ | | | Centre Girder, depth and thickness amidships <u>79 x 46 x 50</u> ✓ | | |
| Frame Amidships, Angle, [or] | ✓ | | " " top Angles ✓ <u>3 1/2 x 3 1/2 x 7/16</u> ✓ | | |
| " " Extends up to | ✓ | | " " bottom Angle ✓ <u>6 x 6 x 1/2</u> ✓ | | |
| Reversed Frame Amidships, Angle | ✓ | | Side Girders, No. each side and thickness | <u>20 x 44</u> ✓ | |
| " " Extends up to... ✓ | | | Margin Plate depth (excl. of flange) and thickness | ✓ | |
| Depth of Framing Girder | ✓ | | " " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem | ✓ | |
| Frames in Uppermost Continuous 'tween Decks, Angle, [or] | ✓ | | " " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area | ✓ | |
| " " Second 'tween Decks, Angle, [or] | ✓ | | " " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem | ✓ | |
| " " Third " " " " | ✓ | | " " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area | ✓ | |
| " " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem | <u>9 x 3 1/2 x 3/8</u> ✓ | | Tank Side Brackets, height above base line at toe of Frame and thickness ✓ | | |
| " " in Peaks, Angle or [or] | <u>7 x 3 1/2 x 3/8</u> ✓ | | INNER BOTTOM PLATING. | | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | ✓ | | Breadth and thickness of Middle Line Strake | <u>47 x 54</u> ✓ | |
| State if Frame Joggled | ✓ | | Thickness of remainder in Holds | ✓ | |
| Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? | <u>Yes</u> ✓ | | 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? | <u>Yes</u> ✓ | | BEAMS. | | |
| SINGLE BOTTOM. | | | Uppermost Continuous Deck, amidships in Wells, Angle, [or] | <u>LONGITUDINAL</u> ✓ | |
| Floors, Depth and thickness at mid-line in Holds | ✓ | | " " in way of Bridge, Angle, [or] | ✓ | |
| Height of Brackets at side above base line at toe of frame | ✓ | | Spacing | ✓ | |
| Middle Line Keelson, on Floors, Angles, IN CENTRE TANKS [or] | <u>6 x 3 1/2 x 40</u> ✓ | | Second Deck, amidships, Angle, [or] | ✓ | |
| " " Through Plate on Intercoastal Plate... ✓ | <u>42</u> ✓ | | Spacing | ✓ | |
| " " Foundation Plate on Floors | ✓ | | Third Deck, amidships, Angle, [or] | ✓ | |
| " " Flat Plate Keel Angles <u>6 x 6 x 60</u> ✓ | | | Spacing | ✓ | |
| Side Keelsons, No. each side | ✓ | | Fourth Deck, amidships, Angle, [or] | ✓ | |
| " " thickness of Intercoastal Plate... ✓ | | | Spacing | ✓ | |
| " " Angles | ✓ | | Poop Deck, Angle, [or] | <u>7 x 3 x 3/8</u> ✓ | |
| DOUBLE BOTTOM. AFT | | | Spacing | <u>every</u> ✓ | |
| Solid Floors, thickness and spacing | <u>40 x 44</u> ✓ | | Bridge Deck, Angle, [or] | ✓ | |
| " " Are Frame and Reversed Frame joggled? | <u>Yes</u> ✓ | | Spacing | ✓ | |
| Bracket Floors, breadth and thickness at middle line | ✓ | | Forecastle Deck, Angle, [or] | <u>6 x 3 1/2 x 5/16</u> ✓ | |
| " " breadth and thickness at margin plate | ✓ | | Spacing | <u>every</u> ✓ | |

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*
South Durham, Skinninggrave, Consett, Colville's, Dorman Long,
Appleby, Fradingham, Gargo Fleet, Steel Co. of Scotland
Has the Steel been tested as required by the Rules? *Yes*

0166 2/

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.)

PARTICULARS OF ELECTRIC WELDING (if employed)

Hatch coamings welded to deck

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

D.F., E.S.D

Longitudinal Framing

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

1st Bowst.
2nd "
3rd "

54. 3. 0
54. 1. 5

J.D.
AEG

3433
3195

7.12.40
20.8.40

109.125 See plans & 1st report

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 113.3 ft., R.Q.D. ft., Bridge ft., Forecastle 38.25 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 169.009 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length (Circ. 1703) 503'-9 1/2"
No. and Material of Decks 1 Steel Deck
Parts of Bottom of Vessel coated with cement or approved composition
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, | 28.00 | 222 |
| Double bottom, under Engines and Boilers, | 55.25' | | After peak tank, | 17.25 | 205 |
| Double bottom, if under Engines only, | 19.87 | 87 | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | 31.08 | 613 |
| Double bottom, forward, | | | Other tanks, if fitted, | 3.00 | 104 |
| Total length (if continuous) and Capacity | | | (If necessary, furnish further information by sketch of plan) | 3.00 | 180 |

Order for Special Survey No. 5976

Date 26. 3. 41

Dates of Surveys held while building

1941. May. 5. 8. 12. 15. 20. 23. 27. 30. June. 4. 7. 10. 11. 13. 16. 18. 19. 24. 26. 29. July. 1. 3. 4. 8. 14. 17. 21. 23. 24. 29. 30. Aug. 7. 11. 12. 13. 14. 15. 18. 19. 21. 22. 26. 27. 28. Sep. 1. 2. 4. 8. 9. 10. 11. 22. 24. 29. Oct. 1. 2. 6. 7. 8. 9. 10. 13. 14. 16. 17. 20. 21. 23. 24. 27. 28. 30. 31. Nov. 1. 2. 3. 4. 5. 6. 7. 8. 10. 11. 12. 13. 17. 18. 19. 20. 26. 27. Dec. 1. 4. 5. 8. 10. 18. 21. 1942. Jan. 7. 14. 21. 28. 29

Total No. of Visits 102