

PILLARS AND DECKS.

| PILLARS, No. of Rows | | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. | PILLARS, No. of Rows | | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|--|------------------------|--|---|--|-----------------|--|
| One each side of bulkhead in cargo tanks | | | | 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 | | ✓ | |
| in Tanks | | 4 4 32 quarter pillars | | Thickness of Plating abreast Deck openings in way of Bridge | | ✓ | |
| Centre Line Bulkhead, Stiffeners and Spacing | | 6 3 30 | 31" 21" see letter 11.12.44 | Thickness of Plating within line of openings | | 30 x 28 | ✓ |
| Plating, thickness of | | 26" x 30" | | If Sheathed, material and thickness | | ✓ | |
| STRINGERS AND DECKS. | | | | Third Deck. | | | |
| Uppermost Continuous Deck. | | | | Stringer Plate, breadth and thickness | | 29 x 21 | |
| Stringer Plate, breadth and thickness in Wells | | 50 x 34 x 30 | ✓ | If Plated, state thickness | | ✓ | |
| " " " in way of Bridge | | 50 x 50 | ✓ | Fourth Deck. | | | |
| " " " Angle in Wells | | 3 3 30 | ✓ | Stringer Plate, breadth and thickness | | 29 x 21 | |
| Thickness of Plating abreast Deck openings in way of Wells | | 30 | ✓ | If Plated, state thickness | | ✓ | |
| Thickness of Plating abreast Deck openings in way of Bridge | | ✓ | | Poop Deck. | | | |
| Thickness of Plating within line of openings | | 30 | ✓ | Stringer Plate, breadth and thickness | | ✓ | |
| If Sheathed, material and thickness | | ✓ | | Plating, Sheathing, material and thickness | | ✓ | |
| R.P. Second Deck. | | | | Bridge Deck. | | | |
| Stringer Plate, breadth and thickness in Wells | | 60 x 50 x 30 | ✓ | Stringer Plate, breadth and thickness | | 29 x 21 | |
| | | | | Plating, Sheathing, material and thickness | | ✓ | |
| | | | | Forecastle Deck. | | | |
| | | | | Stringer Plate, breadth and thickness | | 44 x 26 | ✓ |
| | | | | Plating, Sheathing, material and thickness | | ✓ | |

SHELL PLATING.

| SCANTLINGS. | | | | RIVETING. | | | | | | | | |
|--|---------------|------------|------------|------------|--|-------------------|-----------|--------------------|------------------------|---------|--------------------|---|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES <i>Yes</i> | | BUTTS. | | | | |
| | AMIDSHIPS. | | FORWARD. | AFT. | | SINGLE OR DOUBLE. | RIVETS. | | No. of ROWS OF RIVETS. | RIVETS. | | <i>Flash</i> <i>Condition of</i> <i>butt.</i> |
| | 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..... | 36✓ | 40✓ | 36✓ | 36✓ | | Double | 5/8 2 1/2 | 22 x 16 2 1/2 | | | Welded | |
| „ Dblg. (if any) | | | | | | | | | | | | |
| Bottom Plating, No. of Strakes 2✓ | 48✓ | 32✓ | 35✓ | 32✓ | | Single | 5/8 2 1/2 | | | | Welded | |
| Bilge Plating, No. of Strakes 2✓ | 55✓ | 32✓ | 28✓ | 32✓ | | „ | „ | | | | „ | |
| Side Plating, No. of Strakes 2✓ | 49✓ | 32✓ | 28✓ | 32✓ | | „ | „ | | | | „ | |
| Upper Deck, Sheer-strake in Wells <i>clear of break</i> | 57✓ | 36✓ | 28✓ | 28✓ | | „ | „ | | | | „ | |
| Upper Deck, Sheer-strake in Bridge <i>R.O. 20' break</i> | 55✓ | 50✓ | | | | „ | „ | | | | „ | |
| Strake below Sheer-strake in Wells | 34✓ | 32✓ | 28✓ | | | „ | „ | | | | „ | |
| Strake below Sheer-strake in Bridge <i>R.O.</i> | | | | | | „ | „ | | | | „ | |
| Side Plating..... | 34✓ | 32✓ | 28✓ | | | Single | 5/8 2 1/2 | | | | Welded | |
| Bridge Side Plating..... | | | | | | | | | | | | |
| Forecastle Side Plating | 59✓ | 25✓ | | | | Single | 5/8 2 1/2 | | | | Welded | |

WATERTIGHT BULKHEADS.

| Total No. of W.T. BULKHEADS in Vessel | | FORGINGS AND CASTINGS. | |
|---------------------------------------|------|------------------------|--|
| Extending to Upper Deck (Sec. 3 c) | Five | Casting or Forging. | Scantlings. |
| " Deck next below | ✓ | Maker's Name. | Any Departure from Approved Plans to be Noted. |
| As per Rule | 3 | | |

| MIDSHIP BULKHEAD. | Plating Thickness. | STIFFENERS. | | | |
|---------------------|--------------------|-------------|----------|-------------|----------|
| | | VERTICAL. | | HORIZONTAL. | |
| | | Scantlings. | Spacing. | Scantlings. | Spacing. |
| No. 23 | 30 x 32 | 6 x 3 x 1/4 | 27" | | |
| No. 32 | 30 x 32 | 6 x 3 x 1/4 | 24" | | |
| No. 41 | 30 x 32 | 6 x 3 x 1/4 | 24" | | |
| Holds | | 5 x 3 x 3/4 | 24" | | |
| COLLISION (in Hold) | 30 x 32 | 3 x 2 x 1/2 | 30" | | |
| AFTER PEAK | 30 x 32 | 6 x 3 x 1/4 | 24" | | |

| | |
|---|------------|
| Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). | Open Heart |
| Has the Steel been tested as required by the Rules? | Yes |

EQUIPMENT No. 3588

LETTER 6

ANCHORS.

| Number of Certificate. | Anchor. | Weight, Ex. Stock. | Weight of Stock. | Test, per Certificate. | Weight Required by Table 53. | Description of Anchor. | Makers. | Where and when tested, and by whom. |
|------------------------|-----------|--------------------|------------------|------------------------|------------------------------|--------------------------------|--------------|-------------------------------------|
| 57357 | 1st Bower | 5 2 1/2 | 1 | 7 18 1 21 | 5 1/2 | Hall's Taper (Cast Steel Head) | B. Hingley | Cast Steel Head 22/2/44 |
| 57356 | 2nd " | 5 1 0 | 1 | 7 11 3 14 | 5 1/2 | " do " | " do " | " do " |
| | 3rd " | | | | | | | |
| 57359 | Stream | 1 1 0 | 1 | 7 10 3 13 | 1 1/4 | Cast-steel anchor | W. V. Norman | Cast-steel anchor 22/2/44 |

CHAIN CABLES.

HAWSEERS AND WARPS.

| Number of Certificate. | Length and size supplied. | Test per Certificate. | Weight of Chain Cable. | Length and size supplied. | Test per Certificate. | Weight of Chain Cable. | Length and size supplied. | Test per Certificate. | Weight of Chain Cable. |
|------------------------|---------------------------|-----------------------|------------------------|---------------------------|-----------------------|------------------------|---------------------------|-----------------------|------------------------|
| 67950 | 120 3/4 | 10-15 15-15 | 39 1 8 | 120 3/4 | 10-15 15-15 | 39 1 8 | 120 3/4 | 10-15 15-15 | 39 1 8 |
| | | | | | | | | | |
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|---|---|--|------------------------------|
| Steering Gear, Type (Power or hand) | Varwood's Hand | Alternative Means of Steering | Hand tiller + reeling tackle |
| Steering Chains (Size and Test) | 11" short link 5 tons 500 lbs. 11.25 500 lbs. | Windlass | Clake Chapman |
| Ceiling in Holds, thickness and material | None | Cargo Battens, thickness, material and spacing | ✓ |
| Cargo Hatchways—(Upper Deck) | 1 to cargo hold 4 to cargo tanks | Thickness of Hatches | 2 1/2" (FIR) cargo holds |
| Size of Hatchways No. 1 (Fwd.) | 3'6" x 3'0" | No. 2 | 2'6" x 1'9" |
| No. 3 | No. 4 | No. 5 | No. 6 |
| Number of Shifting Beams and/or Fore and Afters | | | |
| Builder's Signature: Albert Varwood | | | |

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. ✓
 (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 vessel has been built in conformity with the Society's rules & regulations & the Secretary's letters. The scantlings & arrangements are in accordance with or equivalent to those shown on the approved plans. The workmanship & materials are good. The assigned freeboard has been marked on the vessel's sides & as in after verification.
 All tanks (cargo, ballast & boiler feed), decks, bulkheads etc have been tested as required by the Rules & found satisfactory.
 The steering gear & windlass have been tested under working conditions & found satisfactory.

| | | | | |
|--|---------------------|--|-----------------|---------|
| The amount of Entry Fee | £ 2.0.0 | Fees applied for | Freeboard | £ 4.0.0 |
| Special Survey Fee | £ 22.4.0 | Received by me, | 19 | |
| 25% Fee for specification | £ 5.11.0 | I am of opinion the Vessel should be Classed | + 100 A1 | |
| Travelling Expenses, if any | £ 6.3.4 | Water Carrier | ✓ | |
| State whether the Vessel has been built under Special Survey | Yes | Signature | Harry S. Newton | |
| Certificate to be sent to | LIVERPOOL | Date of issue | 7/2/45 | |
| Committee's Minute | LIVERPOOL | 21 NOV 1944 | | |
| Character assigned | 100TH Water Carrier | | | |
| | Lloyd's A.C.P. | | | |
| | L.M.C. 10:44 | | | |
| | O.G., F.D. | | | |

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.)

The following approved plans are returned herewith:

Sections
Shell plating
Stern frame & rudder.
Section & scantling plans (as built)
Scantling plans (Profile)
Engine section
Casings
Steering leads.

The forging certificates for stern frame & rudder are also forwarded.

Sister vessel SS Empire Barnaby Yard No 759 (LWRBt No 121600)

The capacity of the Boiler feed water tanks in the Boiler Room wings is 9 $\frac{3}{4}$ tons each.

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of shell & deck plating, casings, fore peak, & forward ballast tank top, floors to centre keelson, brackets to & bulk head, side keelson, wash plates, hatch coaming fittings.

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

Water Carrier

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

| | | | | |
|-----------|--------|------|------|-----------|
| 1st Bower | 3-1-16 | AEG. | 9189 | 4/10/43. |
| 2nd " | 3-0-13 | AEG. | 7454 | 29/10/42. |
| 3rd " | | | | |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 41'-0" ft., Bridge ☒ ft., Forecastle 13'-6" ft.

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

Official No. 168887 Signal Letters Extreme Breadth over Belting (Circ. 1611) 23'-5" Over-all Length (Circ. 1703) 106'-3" ☒

No. and Material of Decks One (and Raised Quarter deck) Steel.

Parts of Bottom of Vessel coated with cement or approved composition Bottom of vessel to inner turn of bilge cemented, floors cement washed, all cargo & ballast tanks cement washed, also boiler feed tanks, coal bunkers "Bitumastic" enamelled

Particulars of composition (if fitted) and of approval "Wicks One" approved composition.

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, | 13.50 | 22.00 |
| Double bottom, under Engines and Boilers, | | | After peak tank, | 7.50 | 16.00 |
| Double bottom, if under Engines only, | | | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | 12.25 | 26.00 |
| Double bottom, forward, | | | Other tanks, if fitted, (RP 1025) | 31.50 | 211.00 |
| Total length (if continuous) and Capacity | | | (If necessary furnish further information by sketch.) | | |

Order for Special Survey No.

Date

Dates of Surveys held while building

20/1/44 to 25/10/44.

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Lloyd's Register Foundation
Total No. of Visits 30

No S.S.O.F. available when filed.