

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 | ✓ | | | |
| „ in 'tween Decks, Size and Spacing | WEB FRAMES | | | |
| „ „ „ „ „ | 12" x 40 | | | |
| „ „ „ „ „ | WITH DEEP | | | |
| „ in Holds „ FORE CABIN | KNEES 40 | | | |
| „ „ „ „ „ | DEEP KNEES | | | |
| „ „ „ „ „ | SR 4 1/2" | ✓ | | |
| Centre Line Bulkhead. | | | | |
| Stiffeners and Spacing | | | | |
| Plating, thickness of | | | | |
| STRINGERS AND DECKS. | | | | |
| Uppermost Continuous Deck. | | | | |
| Stringer Plate, breadth and thickness in Wells | 57 x 40 | ✓ | | |
| „ „ „ „ in way of Bridge | ✓ | | | |
| „ Angle in Wells | 4 3/2 46 | ✓ | | |
| Thickness of Plating abreast Deck openings | 40-36 | ✓ | | |
| in way of Wells | | | | |
| Thickness of Plating abreast Deck openings | ✓ | | | |
| in way of Bridge | | | | |
| Thickness of Plating within line of openings... | 36 | ✓ | | |
| If Sheathed, material and thickness | ✓ | | | |
| 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 | | | | |
| Plating, Sheathing, material and thickness ... | | | | |
| Bridge Deck. | | | | |
| Stringer Plate, breadth and thickness | | | | |
| Plating, Sheathing, material and thickness ... | | | | |
| Forecastle Deck. | | | | |
| Stringer Plate, breadth and thickness | | | | |
| Plating, Sheathing, material and thickness... | | | | |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | | |
|-------------------------------------|---------------|------------|------------|------------|--|-------------------|---------|--------------------|------------------------|---------|--------------------|---------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. No. | | | 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. | |
| GARBOARD | 36 | 50 | 50 | 50 | | SINGLE | 3/4 | 5R. | DOUBLE | 3/4 | 2 5/8 | STRAPPED |
| Flat Plate Keel | ✓ | ✓ | | | | ✓ | | | ✓ | | | |
| „ Dblg. (if any) | | | | | | | | | | | | |
| Bottom Plating, No. of Strakes ONE | 54 | 36 | 36 | 36 | | SINGLE | 3/4 | 5R. | DOUBLE | 3/4 | 2 5/8 | STRAPPED |
| Bilge Plating, No. of Strakes ONE | 48 | 36 | 36 | 36 | | " | " | " | " | " | " | " |
| Side Plating, No. of Strakes | ✓ | ✓ | | | | | | | | | | |
| Upper Deck, Sheer-strake in Wells | 40 | 50 | 50 | 50 | | DOUBLE | 3/4 | 5R. | DOUBLE | 3/4 | 2 5/8 | STRAPPED |
| Upper Deck, Sheer-strake in Bridge | ✓ | ✓ | | | | | | | | | | |
| Strake below Sheer-strake in Wells | 56 | 50 | 50 | 36 | | DOUBLE SINGLE | 3/4 | 5R. | DOUBLE | 3/4 | 2 5/8 | STRAPPED |
| Strake below Sheer-strake in Bridge | | | | | | | | | | | | |
| Poop Side Plating | | | | | | | | | | | | |
| Bridge Side Plating | | | | | | | | | | | | |
| Forecastle Side Plating | | | | | | | | | | | | |

WATERTIGHT BULKHEADS.

| | |
|--|---|
| Total No. of W.T. BULKHEADS in Vessel— | |
| Extending to Upper Deck (Sec. 3 c) | 4 |
| „ Deck next below | ✓ |
| As per Rule | 4 |

| | Plating Thickness. | STIFFENERS. | | | |
|-------------------------------------|--------------------|-------------|------------|-------------|----------|
| | | VERTICAL. | | HORIZONTAL. | |
| | | Scantlings. | Spacing. | Scantlings. | Spacing. |
| MIDSHIP BULKH'D, Upper 'tween decks | | | | | |
| „ „ Second | | | | | |
| „ „ Third | 10 | 36-30 | 4 x 3 x 40 | 30" | |
| „ „ Holds | 35 | 36-30 | 5 x 3 x 30 | 29" | |
| COLLISION „ (in Hold) | 44 | 36-30 | 5 x 3 x 30 | 24" | |
| AFTER PEAK „ | 4 | 30 | 4 x 3 x 32 | 24" | |

FORGINGS AND CASTINGS.

| | Casting or Forging. | Scantlings. | Maker's Name. | Any Departure from Approved Plans to be Noted. |
|---|---------------------|---------------------|---------------------|--|
| KEEL, Bar | ✓ | 7 1/2" x 1 1/4" | CONSET IRON CO. | |
| STEM | ✓ | 7 1/2" x 1 1/4" | " | |
| STERN FRAME | FORGING | 6" x 2 1/2" | T.S. FORSTER & SONS | |
| Propeller Post | | 6" x 2 1/2" | " | |
| Rudder | | 6" x 2 1/2" | " | |
| Speed of Vessel | | 11 KNOTS | | |
| RUDDER—Type | | SINGLE PLATE | | |
| „ A x D. | | 61.04 | | |
| „ Diam. of head | | 5" | | |
| „ Mainpiece at top pintle | | 5" | | |
| „ „ heel | | 3 3/4 | | |
| „ how constructed | | FORGED & BUILT | | |
| „ double or single plate coupling, vertical or horizontal | | SINGLE PLATE 7/8" | | |
| | | NONE | | |
| | | OPEN HEARTH PROCESS | | |

| | |
|--------|--|
| STEEL. | Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) |
| | PLATES:— APPLEBY-FRODINGHAM STEEL CO. LD. |
| | SECTIONS:— " " " DORMAN, LONG & CO. LD. SKINNINGHAME IRON CO. LD. |
| | Has the Steel been tested as required by the Rules? YES. |

EQUIPMENT No. 2580

LETTER

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. | | | | |
| 68002 | 1st Bower | 4 | 0 | 4 | STOCKLESS | | | 6 | 10 | 0 | 0 | 4 | HALL'S TYPE (CAST STEEL HEAD) | NOT STATED | CRADLEY HEATH 6.7.49. H. PHILLIPS |
| | 2nd " | | | | | | | | | | | | | | |
| | 3rd " | | | | | | | | | | | | | | |
| | Collective weight | | | | | | | | | | | 4 | | | |
| | Stream | | | | | | | | | | | | | | |

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. | |
|---------------------------------|---------------------------|-------|-----------------------|--------|------------------------|------|------|-------------------------------|----------|--------------|-------------------|--|-----------------|---------------------------|------|------------------------------|-------------------------------|-------|
| | | | | | | | | | | | | | | | | | | |
| | Fathoms. | Diam. | Tons. | Tons. | Cwts. | qrs. | lbs. | Cwts. | Fathoms. | | | | | Fathoms. | Ins. | Tons. | Fathoms. | Ins. |
| 82428 | 60 | 3/4 | 10 1/8 | 15 1/8 | 18-3-4 | | | 17 1/4 | 60 | 3/4 | STUD | B. HINGLEY | CRADLEY HEATH | TOWLINE | | | 60 | 5 |
| | | | | | | | | 17 1/2 | | LINK | & SONS | 2.11.50 H. PHILLIPS | HAWSERS & WARPS | | | | 60 | 5 |
| | | Cir. | | | | | | | | | | | | | | | 60 | 2 1/2 |
| Iron Stream Chain or Steel Wire | | | | | | | | | | | | | | 8 TO OWNERS REQUIREMENTS. | | | | |

Steering Gear, Type (Power or hand) Electric and Hand Steering Gear. Alternative Means of Steering Spare tiller with blocks & tackle.Steering Chains (Size and Test) 3/4" diam. 6 3/4 TONS. Windlass Hand. Yellow. hrs. Boats ☒in Holds, thickness and material ☒ Cargo Batts., thickness, material and spacing ☒Hatchways.-(Upper Deck) ☒ Thickness of Hatches ☒Hatchways No. 1 (Fwd.) ☒ No. 2 ☒ No. 3 ☒ No. 4 ☒ No. 5 ☒ No. 6 ☒of Shifting Beams } ☒ Fore and Afters }

Builder's Signature

FOR COCHRANE & SONS, LTD

J. Gray

DIRECTOR

AL 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. Not in Use.(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. No. 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 under Special Survey in conformity with the Society's Rules and Regulations and Secretary's Letters.The scantlings and arrangements of the ship are as given in the Report, and as shown and ended on the approved plans.Any modifications or additions to the original approved arrangements made during construction have been indicated on the plans, and have been approved as being in accordance with, or by standards equivalent to, the rule requirements.Plans of Midship Section and Profile & deck showing the ship as built, now forwarded with, have been checked with the approved arrangements, and found in order.Yoke & after peak tanks and oil fuel tanks tested to Rule requirements and found in order.F.P. of oil fuel about 150°F. Deck, casing, W.T. bulkheads, skylights &c. hoisted and found in order.Windlass tried under working conditions & found in order.The amount of Entry Fee..... £ ✓ : 2 JAN 1952

(Special notations, where part of class, to be stated.)

Special Survey Fee..... £ 31 : 0 : 0

Received by me,

Travelling Expenses, if any £ 4 : 5 : 7 7 JAN 1952I am of opinion the Vessel should be Classed +A.1.
FOR TOWING SERVICES ON THE RIVER THAMES.State whether the Vessel has been built under Special Survey Yes.

Signature

J. Macleod

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Hull. Mch. - Glasgow Date of issue 6/3/52.

Committee's Minute

TUES. 26 FEB 1952

Character assigned

+A1 For Harbour Towing ServicesLloyds A & CP.+ LMC 12.51 Oil Eng.O.G.(with torsional endorsement)Note for S.R.L.

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Lloyd's Register
Foundation

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 materials and workmanship are good.
The following approved plans are forwarded herewith:—

Structural sections; Profile + Deck; Stemframe + Rudder; Bulkheads;
Shell expansion; engine seating; Fabricated steel stem;
web frames &c. in machinery space; main fuel tanks;
Steering gear leads.

The following forging certificate is forwarded herewith:—

Stemframe. Sld. Rpt. No 4685.

PARTICULARS OF ELECTRIC WELDING (if employed)

Portable fuel tanks
Cast steel stem

Approved electrodes employed.

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

A.I.

FOR TOWING SERVICES ON THE RIVER THAMES.

RADAR Equipment (State if fitted) None.

State Type or Pattern No.

State } Maker
Name } and/or
of } Supplier

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

1st Bower

2-2-5 incl pins.

A.E.G. 1053.

29.1.48.

2nd "

3rd "

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

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

Official No. 184541.

Signal Letters

Extreme Breadth over Belting
(Circ. 1611)

Over-all Length 86' 2"
(Circ. 1703)

No. and Material of Decks 104 (STL)

Parts of Bottom of Vessel coated with cement or approved composition Botuminous solution & enamel.

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.)

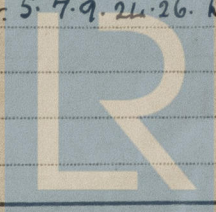
| Where Fitted. | Length. Feet. | Water Capacity. Tons. | Where Fitted. | Length. Feet. | Water Capacity. Tons. |
|---|------------------|--------------------------|---|------------------|--------------------------|
| Double bottom, aft, | | | Fore peak tank, | | 7 8 1/2 |
| Double bottom, under Engines and Boilers, | | | After peak tank, | | |
| Double bottom, if under Engines only, | | | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | | |
| Double bottom, forward, | | | Other tanks, if fitted, | | |
| Total length (if continuous) and Capacity | | | (If necessary furnish further information by sketch.) | | |

Order for Special Survey No. 3632

Date 29th November 1950.

Dates of Surveys
held while building

1951:— Mar. 5. Apr. 6. 12. 20. 23. 24. 27. May 2. 4. 10. 23. 28. June 4. 6. 11. 15.
July 2. 4. 10. 19. 25. 27. Oct. 4. 18. Nov. 5. 7. 9. 24. 26. Dec. 4.



Lloyd's Register
Foundation
Total No. of Visits 30