

STEEL STEAMER or MOTORSHIP.

18 AUG 1925

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 *17th Aug 1925*Port of *NEWCASTLE-ON-TYNE*No. *79285*Survey held at *Newcastle-on-Tyne* Date First Survey *14th Jan 1925* Last Survey *17th August 1925*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *single screw REDRIFF* (machinery amidships)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full scantling* State Type of Erections *Disconnected*TONNAGE under Tonnage Deck *1296.49*CLASS *100A1*State if with freeboard as condition of Class *no*Built at *Newcastle-on-Tyne*

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 244.0*Breadth (greatest moulded) *B 36.5*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 20.5*1st Longitudinal Number (B + D) *= 57.0*2nd Numeral L x (B + D) *= 13908*Framing Depth "d," at middle of length. See Sec. 3 (1d) *17.8*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.9*
Do. Long Bridge to top of keel *10.8*Draught Moulded *18.15*Launched *9th May 1925* Yard No. *229*Builders *Tyne Iron S. & Co. Ltd.*Owners *South Metropolitan Gas Co*Managers *✓*

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

Residence *London*Port of Registry *London*If surveyed while building afloat, & in dry dock *yes.*

REGISTERED DIMENSIONS.

Length *244.3*Breadth *36.8*Depth *18.5*

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. |
|--|---|---|----|--|--|-----------------|----|----|--|
| ES, Spacing amidships | 27 | | | ✓ | Bracket Floors, Frame | - | | | |
| " from 1/2 length to Collision bulkhead | 27 | | | ✓ | " " Reversed Frame | - | | | |
| " in peaks | 27 | | | ✓ | " " Vertical Struts | - | | | |
| FRAMING. | | | | | Centre Girder, depth and thickness amidships | 34 | 42 | | ✓ |
| e Amidships, Angle, E or C | 8 | 3 | 48 | ✓ | " " top Angles <i>Single</i> | 4 | 4 | 48 | ✓ |
| in way of Raised Quarter Deck | 8 1/2 | 3 | 52 | ✓ | " " bottom Angles <i>Single</i> | 6 | 6 | 48 | ✓ |
| " Extends up to <i>gunwale</i> | | | | | Side Girders, No. each side and thickness | One | 30 | | ✓ |
| sed Frame Amidships, Angle | Bull angle | | | ✓ | Margin Plate depth (excl. of flange) and thickness | 31 | 38 | | ✓ |
| " Extends up to <i>frames</i> | | | | ✓ | " " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem | 3 | 3 | 32 | ✓ |
| of Framing Girder | 8 and 8 1/2 | | | ✓ | " " Vertical Angle to Tank side Bracket forward 1/2 len. from stem | 3 | 3 | 32 | double and as approved |
| es in Uppermost Continuous 'tween Decks, Angle, C or E | - | | | | " " Gussets, spacing and scantling abaft 1/2 len. from stem | | | | Back bars ✓ |
| " Second 'tween Decks, Angle, C or E | - | | | | " " Gussets, spacing and scantling forward 1/2 len. from stem | | | | as approved ✓ |
| " Third " " " " | - | | | | Tank Side Brackets, height above base line at toe of Frame and thickness | 48 | 34 | | ✓ |
| ing in Peaks, Angle <i>+</i> | 5 1/2 | 3 | 42 | ✓ | INNER BOTTOM PLATING. | | | | |
| eter and Spacing of Rivets through Frame and Shell Plating amidships | 7/8 about 6 1/2 | | | ✓ | Breadth and thickness of Middle Line Strake | 34 | 45 | | ✓ |
| if Frame Joggled | no | | | ✓ | Thickness of remainder in Holds | | 40 | | ✓ |
| ING ARRANGEMENTS (Sec. 7), state system and particulars | 2 side stringers + brackets as per app. profile & deck plan | | | ✓ | 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 ✓ |
| ETHENING OF BOTTOM FOR- RD. State Particulars | Double frames, extra intercostals, ABYC strakes | | | ✓ | BEAMS. | | | | |
| BOTTOM. | | | | | Uppermost Continuous Deck, amidships in Wells, Angle, E or C | 7 | 3 | 38 | ✓ |
| s, Depth and thickness at mid-line in Holds | - | | | | " " in way of Bridge, Angle, E or C | 7 | 3 | 38 | ✓ |
| Height of Brackets at side above base line at toe of frame | - | | | | Spacing | 27 | | | ✓ |
| e Line Keelson, on Floors, Angles, C or E | | | | | Second Deck, amidships, Angle, C or E | | | | |
| " " Through Plate or Intercostal Plate | | | | | Spacing | | | | |
| " " Foundation Plate on Floors | | | | | Third Deck, amidships, Angle, C or E | | | | |
| " " Flat Plate Keel Angles | | | | | Spacing | | | | |
| Keelsons, No. each side | | | | | Fourth Deck, amidships, Angle, C or E | | | | |
| " thickness of Intercostal Plate | | | | | Spacing | | | | |
| " Angles | | | | | Fore Deck, Angle, E or C | 7 | 3 | 38 | ✓ |
| E BOTTOM. | | | | | Spacing | 27 | | | ✓ |
| Floors, thickness and spacing | 34 on every frame | | | ✓ | Bridge Deck, Angle, E or C | 6 | 3 | 38 | ✓ |
| " Are Frame and Reversed Frame joggled? | yes | | | ✓ | Spacing | 27 | | | ✓ |
| et Floors, breadth and thickness at middle line | - | | | | Forecastle Deck, Angle, E or C | 5 1/2 | 3 | 32 | ✓ |
| " breadth and thickness at margin plate | - | | | | Spacing | | | | on 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..... | | | 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 | | |
| " " " " " " | | | Thickness of Plating abreast Deck openings in way of Bridge | | |
| " in Holds " " | | | Thickness of Plating within line of openings... | | |
| " " " " " " | | | If Sheathed, material and thickness | | |
| Centre Line Bulkhead. | | | Third Deck. | | |
| Stiffeners and Spacing..... | | | Stringer Plate, breadth and thickness..... | | |
| Plating, thickness of | | | If Plated, state thickness..... | | |
| STRINGERS AND DECKS. | | | Fourth Deck. | | |
| Uppermost Continuous Deck. | | | Stringer Plate, breadth and thickness..... | | |
| Stringer Plate, breadth and thickness in Wells | 67 | 60 ✓ | If Plated, state thickness | | |
| " " " " in way of Bridge | 67 | 48 ✓ | Pop Deck. | | |
| " Angle in Wells | 4 | 48 ✓ | Stringer Plate, breadth and thickness | 65 | 60 ✓ |
| Thickness of Plating abreast Deck openings in way of Wells | | | Plating, Sheathing, material and thickness | | 30 ✓ |
| Thickness of Plating abreast Deck openings in way of Bridge | | | Bridge Deck. | | |
| Thickness of Plating within line of openings... | | 30 ✓ | Stringer Plate, breadth and thickness..... | 44 | 32 ✓ |
| If Sheathed, material and thickness | | | Plating, Sheathing, material and thickness | | 32 ✓ |
| Second Deck. | | | Forecastle Deck. | | |
| Stringer Plate, breadth and thickness in Wells... | | | Stringer Plate, breadth and thickness..... | 36 | 30 ✓ |
| | | | Plating, Sheathing, material and thickness | | 30 ✓ |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | | |
|---|---------------|------------|------------|------------|--|-------------------|---------|--------------------|------------------------|---------|--------------------|---------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. | | | 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. | |
| FLAT PLATE KEEL | 48 | 68 | 54 | 54 | | Double | 7/8 | 3 3/8 | 3 | 1 | 3 1/2 | Lapped |
| " DBLG. (if any) | | | | | | | | | | | | |
| GARBOARD STRAKE + | | 58 | 50 | 48 | | " | " | " | 3 | 7/8 | 3 1/2 | " |
| BOTTOM PLATING, No. of Strakes | | 54 | 40 | 44 | | " | " | " | 3 | " | " | " |
| BILGE PLATING, No. of Strakes | | 54 | 40 | 46 | | " | " | " | 3 | " | " | " |
| UPPER BILGE STRAKE | | 52 | 40 | 44 | | " | " | " | 3 | " | " | " |
| SIDE PLATING, No. of Strakes | | 54 | 40 | 40 | | " | " | " | 3 | " | " | " |
| UPPER DECK, Sheer-strake in Wells..... | 42 | 58 | 40 | 40 | | " | " | " | 3 | " | " | " |
| UPPER DECK, Sheer-strake in Bridge ... | | 58 | | | | | | | | | | |
| STRAKE BELOW Sheer-strake in Wells..... | | 56 | 40 | | | " | " | " | 3 | " | " | " |
| STRAKE BELOW Sheer-strake in Bridge ... | | 56 | | | | | | | | | | |
| P.O.D. | | 56 | | 40 | | | | | | | | |
| Pop SIDE PLATING | | 56 | | 40 | | | | | | | | |
| BRIDGE SIDE PLATING ... | | 32 | | | | | | | | | | |
| FORECASTLE SIDE PLATING | | | 32 | | | | | | | | | |

WATERTIGHT BULKHEADS.

| Total No. of W.T. BULKHEADS in Vessel— | | | | | |
|--|--------------------|-------------|----------|-------------|------------------|
| Extending to Upper Deck (Sec. 3 c) | 6 | | | | |
| " Deck next below | - | | | | |
| As per Rule | 4 | | | | |
| | Plating Thickness. | STIFFENERS. | | | |
| | | VERTICAL. | | HORIZONTAL. | |
| | | Scantlings. | Spacing. | Scantlings. | Spacing. |
| MIDSHIP BULKHEAD, Upper tween decks | | | | | |
| " " Second " | | | | | |
| " " Third " | | | | | |
| " " Holds | 42 | 26 | 8 | 3 | 42 30 - - |
| COLLISION (in Hold) | 34 | 26 | - | - | 24 Semi-bulkhead |
| AFTER PEAK | 34 | 26 | 3 | 46 | 24 W.T. Flat |

FORGINGS and CASTINGS.

| | Casting or Forging. | Scantlings. | Maker's Name. | Any departure from approved plans to be noted. |
|---|---------------------|-----------------------|---------------|--|
| KEEL, Bar | ✓ | Flat plate keel | | ✓ |
| STEM | ✓ | 8 x 2 1/2 | | 7 1/2 x 2 1/4 ✓ |
| STERN FRAME { Propeller Post | ✓ | Forging 7 1/2 x 5 1/4 | Cleland's | ✓ |
| { Rudder | ✓ | 6 3/4 x 5 1/4 | " | ✓ |
| RUDDER—A x D | ✓ | 17 1/2 x 5 1/2 | | ✓ |
| Speed of Vessel | ✓ | 10 Knots | | ✓ |
| RUDDER mainpiece at head ... | ✓ | 6 1/4 | " | ✓ |
| " " heel ... | ✓ | 4 3/4 | " | ✓ |
| " how constructed | ✓ | Forged & built | | ✓ |
| " double or single plate | ✓ | Single plate | | ✓ |
| " coupling, vertical or horizontal | ✓ | Horizontal | | ✓ |

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Dorman Long, Bolckow Vaughan, Cargo Fleet, Colville, Fordingham*

Has the Steel been tested as required by the Rules? *Yes*

| EQUIPMENT No. 14668-93 | | | | | | | | | | | | 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. | Cwts. | | | | |
| 28854 | 1st Bower ... | 30 | 3 | 14 | - | - | - | 29 | 5 | 2 | 14 | 30.5 | Byer's Stockless | - | S 28/4/25 J. H. Butler | |
| 28852 | 2nd „ ... | 30 | 3 | 0 | - | - | - | 29 | 3 | 3 | 0 | 30.5 | “ | - | S 27/4/25 — | |
| 28838 | 3rd „ ... | 26 | 0 | 0 | - | - | - | 25 | 12 | 2 | 0 | 26.0 | “ | - | S 15/4/25 — | |
| | Collective weight. | 87 | 2 | 14 | ✓ | | | | | | | ✓ 87.0 | | | | |
| 28317 | Stream | 7 | 3 | 21 | ✓ | 1 | 3 | 7 | 10 | 2 | 2 | 0 | 7 3/4 | Common | - | S 28/7/24 W. Liebrecht |

| 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. | Statury. | Break-ing. | Supplied. | | Per Rule. | | Length. | Diam. | | | | | Length. | Cir. | | Length. | Cir. | | |
| | Fathoms. | Ins. | Tons. | Tons. | Cwts. | qrs. | lbs. | Cwts. | Fathoms. | Ins. | | | | | Fathoms. | Ins. | Tons. | Fathoms. | Ins. | | |
| 37803 ^A | 210 | 1 ¹⁰ / ₁₆ | 47 ¹ / ₂ | 66 ¹ / ₂ | 280 | 3 | 5 | 271 | 1 | 14 | 240 | 1 ¹² / ₈ | Stud link | - | C. H. 23/4/25 S. C. Paul | TOWLINE... | 90 | 3 ¹ / ₄ | 22 | 90 | 3 ¹ / ₄ |
| 14697+9 | 30 | " | " | " | 40 | 2 | 0 | 39 | 3 | 18 | " | " | " | - | S. 6/3/25 J. H. Butler | HAWSERS & WARPS | 2-90 | 2 ¹ / ₄ | 9 ¹ / ₂ | 2-90 | 2 ¹ / ₄ |
| Stream | 75 | 3 ¹ / ₄ | " | 29 | " | " | " | " | " | " | 75 | 3 ¹ / ₄ | " | " | " | " | 4-90 | 2 ¹ / ₂ | 12 ¹ / ₂ | 2-90 | 5 |
| Steel Wires | 75 | 3 ¹ / ₄ | " | 29 | " | " | " | " | " | " | 75 | 3 ¹ / ₄ | " | " | " | " | 2-90 | 2 | 7 | " | " |
| Steel wires certified by Craven & Speeding Bros. | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|--|-------------------------|----------|---------------------------|-------|-----------------|-------|---|-------|---|
| Steering Gear, Steam | Donkin 16° Ld | Steering Gear, Hand | Donkin 16° Ld | | | | | | | | |
| Boats | 2 lifeboats & 1 Dinghy | Steering Chains, Size and Test | 7/8" dia - 9½ tons test | Windlass | Emerson Walker & Thompson | | | | | | |
| Ceiling in Holds, thickness and material | at bilges only | Cargo Battens, thickness, material and spacing | Nil | | | | | | | | |
| Cargo Hatchways.—(Upper Deck) | Steel plates and angles | Thickness of Hatches | 3" | | | | | | | | |
| Size of No. 1 Hatchway (Forward) | 29' 3" x 14' 6" 17' 6" | No. 2 | 30' 6" x 25' 0" | No. 3 | 31' 6" x 25' 0" | No. 4 | 29' 3" x 25' 0" | No. 5 | ✓ | No. 6 | ✓ |
| Number of Shifting Beams and/or Fore and Afters | 4 at No. 1 and 4 and 5 at No. 2 and 3 hatchways | | | | | | | | | | |

FOR AND ON BEHALF OF
TYNE IRON SHIP-BUILDING CO., LIMITED

Builder's Signature

A. Thomson

GENERAL DECLARATION This vessel has been built in accordance with the approved plans and instructions as per Secretary's letters, as well as with the Printed Rules. The materials and workmanship are good. The freeboard has been verified and the freeboard marks "cut in" on the vessel's sides. All double bottoms and peak tanks, weather decks, bulkheads & tunnel have been satisfactorily tested.

This is almost a sister ship of the same Builders S/S "Camberwell" Nwe. Rpt. No. 77804.

3 Forging certificates enclosed.
Plans enclosed:—Midship section, Profile and decks, Sternframes and rudders, Pumping arrangements. The painting arrangements as shown on the approved profile have been adopted just as per special plan, see Secretary Letter 20/1/25. 2 Additional Bulkheads have been fitted See Secretary's Letter 18/7/25.

| | | | |
|--|---------------|-------------------|-------------|
| The amount of Entry Fee | £ 5 : 0 : 0 | Fees applied for, | 12 JUN 1925 |
| Special Survey Fee | £ 152 : 7 : 0 | Received by me, | 11/7/1925 |
| Freeboard | 6 : 0 : 0 | | |
| Travelling Expenses, if any | | | |
| I am of opinion the Vessel should be Classed | | | |
| + 100 A1. | | | |
| State whether the Vessel has been built under Special Survey | | | |
| Yes. | | | |
| Signature | | | |
| J. Macdonald. | | | |
| Surveyor to Lloyd's Register of Shipping. | | | |
| Date of issue | | | |
| 2/8/25 | | | |

Committee's Minute
Character assigned
100 A1
Cargo battens not fitted
Lump A & B.P.
Lump A & B.P.
+ Lump B. 8.25
C.L.
J. Macdonald.
Surveyor to Lloyd's Register of Shipping.
FRI. 21 AUG 1925
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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.)

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

| | | | | | | | | | |
|-----------|----|-----|---|-----|----|------|-----|------------------------|----------|
| 1st Bower | 19 | cwt | 1 | grs | 0 | lbs. | KH. | N ^o -3387. | 17/3/25. |
| 2nd " | 19 | " | 1 | " | 7 | " | MB. | N ^o -2384. | 30/3/25. |
| 3rd " | 17 | " | 3 | " | 14 | " | WM. | N ^o -A4356. | 27/3/25. |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. 95.8 ft., Bridge 50.8 ft., Forecastle 22.2 (in feet and tenths). When the Poop is joined to the R.D., this should be distinctly stated ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 DEK (SHL)

Official No. ; Signal Letters Is bottom of Vessel coated with cement Yes in B. Space if not g particulars of composition ✓

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Cap Ton |
|---|---------------------------------|--------------------------|--|-------------------|------------------|
| Double bottom, aft, | 42.7 | 79 | Fore peak tank, | 16.0 | 77 |
| Double bottom, under Engines and Boilers, | 33.7 | 79 | After peak tank, | 12.0 | 66 |
| Double bottom, if under Engines only, | | | Deep tank, aft, at sides of tunnel | 29.2 | 105 |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | | |
| Double bottom, forward, | 99.0 | 188 | Other tanks, if fitted, | | |
| | Total capacity of double bottom | 346 | (If necessary, furnish further information by sketch.) | | |

* The wells are not to be included in the lengths of the tanks.
178.4

Order for Special Survey No. 526

Date

7.3.25

Dates of Surveys held while building

1925
Jan. 14, 15, 16, 21, 23, 27, 29. Feb. 3, 5, 10, 12, 17, 19, 24, 26, 27. Mar. 3, 6, 10, 13, 17, 24, 28. Apr. 31. May 5, 11, 15, 19, 27, 28. June 4, 11. July 1, 2, 16, 20, 22, 27. Aug.

Total No. of Visits 4