

With or Without Disconnected Erections.

STEEL STEAMER.

THU. AUG. 12 1920

Received at London Office

Date of completion of report
Survey held at

State if Report is also sent on the Machinery of the Vessel

Port of

No.

Date, First Survey

Last Survey

19

On the (State if Single, Twin, or Triple Screw)

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R. Q. Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam

CLASS 100 A1

FEET.

Master

Year of appointment

(1) As Master in service of
owner of present vessel—19
(2) As Master of this
vessel—19

Built at

When built

Launched

By whom built

Owners

Managers

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

Residence

Port belonging to

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock

| LENGTH on Deck | Feet. | Inches. | BREADTH— | Feet. | Inches. | DEPTH, ACTUAL— | Feet. | Inches. | No. of Decks with flat laid |
|----------------|-------|---------|----------|-------|---------|---|-------|---------|-----------------------------|
| as per Rule | | | Moulded | | | Top of Floors to top of Upper Dk. Beams | | | No. of Tiers of Beams |
| 324 | 0 | | 46 | 0 | | 25 | 1 | | one |

| Dimensions of Ship per Register, Length | breadth | depth | Moulded depth, ft. | ins. | To Bridge Dk. | Round of Upper | ins. |
|---|---------|-------|--------------------|------|---------------|------------------|------|
| | | | | | | Dk. Beam, Actual | |
| 324 | 46.2 | 25 | 37 | 6 | | 31 | |
| | | | 38 | 6 | | | |

| FRAMING. | | | | PILLARS. | | | |
|---|-----------------|-----------------|-----------------|--|-----------------|-----------------|-----------------|
| FRAME, Angles, or C or E Bars amidships | Inches in Ship. | Inches in Ship. | Inches in Ship. | PILLARS In 'tween Deck, size and spacing | Inches in Ship. | Inches in Ship. | Inches in Ship. |
| Do. in peaks | 12 | 3-29 35/64 | 12 | " " Hold | | | |
| Do. in way of Double Bottoms at Solid Floors | 7 | 3 1/2 14-6 | 7 | " " Quarter 'tween Dks., | | | |
| Do. in way of Double Bottoms at intermdt. Bkts. | 3 1/2 | 3 1/2 3/8 | 3 1/2 | " " in Hold | | | |
| Spacing of Frames from centre to centre amidships | 7 | 3 1/2 7/16 | 7 | | | | |
| " " " " " " " " " " " " | 27 | | 27 | | | | |
| " " " " " " " " " " " " | 27 | | 27 | | | | |
| " " " " " " " " " " " " | 24 | | 24 | | | | |
| REVERSED FRAME, Angles | | | | KEELSONS & STRINGERS. | | | |
| Do. in way of Double Bottoms at Solid Floors | 3 1/2 | 3 1/2 3/8 | 3 1/2 | CENTRE LINE KEELSON, Vertical Plate above | | | |
| " " " " " " " " " " " " | 7 | 3 1/2 3/8 | 7 | floors, Through Plate, or Intercostal Plate | | | |
| " " " " " " " " " " " " | 12 | and 7 | 12 | Rider Plate | | | |
| FRAMING, depth of girder | | | | Flat Plate Keel Angles | | | |
| FLOORS, depth and thickness of Floor Plate | | | | Horizontal Plates on Floors | | | |
| at mid-line for 1/2 length amidships | | | | Angles or Bulb Angles | | | |
| " " in way of Engine and Boiler Spaces | | | | SIDE KEELSONS, Number | | | |
| " " thickness at the ends of vessel | | | | Angles or Bulb Angles | | | |
| " " depth at 1/2 the half breadth, as per Rule | | | | Plate above floors, for length | | | |
| " " height extended at the Bilges | | | | Intercostal Plate, for length | | | |
| FLOORS in Cell, Double Bottoms | 41 | 3 1/2 3/8 | 41 | Attached to outside Plating with Angle | | | |
| state if flanged (top & bottom) | 20 | | | BILGE KEELSON, Angles | | | |
| Spacing of Solid floors | 81 | 27 3/8 | 81 | Intercostal Plate for length | | | |
| CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss. | 41 | 3 1/2 3/8 | 41 | Attached to outside Plating with Angle | | | |
| " " Angles, Top | 3 1/2 | 3 1/2 3/8 | 3 1/2 | SIDE STRINGERS, Number | | | |
| " " " " Bottom | 45 | 4 5/16 | 45 | " " Angle | | | |
| " " " " to Floors | 36 | 3 1/2 3/8 | 36 | Intercostal Plate, for length | | | |
| Brackets at intermdt. frmg., wdth & thcknss | two | | two | Attached to outside plating with Angle | | | |
| SIDE GIRDERS, number on each side & thickness | two | | two | Upper Deck Stringer Plate, br'dth & thickness | 50 | 5/8 | 50 |
| state if flanged (top and bottom) | 3 1/2 | 3 1/2 3/8 | 3 1/2 | (clear of Bridge) | 50 | 1/2 | 50 |
| Angles (top and bottom) | 3 | 3 3/8 | 3 | br'dth & thickness | 5x5 | 5/8 | 5x5 |
| to Floors | 64 | 7/16 1/6 | 64 | (in way of Bridge) | | | |
| MARGIN PLATE, depth (exclusive of flange) | 5 | 5 1/2 | 5 | Angle (clear of Bridge) | | | |
| Angle to Outside Plating | 6 1/2 | 6 1/2 7/16 | 6 1/2 | Tie Plate at sides of Hatchways | | | |
| Floors | 60 | 3/8 1/6 | 60 | Deck, Iron or Steel, for full lng. | | | |
| Brackets at intermdt. frmg., wdth & thcknss | two | | two | Thickness (clear of Bridge) | | | |
| Height of Outside Plating above at bilge | 64 | 7/16 1/6 | 64 | (in way of Bridge) | | | |
| INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake | 7/16 | and 3/8 | 7/16 | Wood Deck, Material & thickness | | | |
| " " " " " " " " " " " " | 3/8 | | 3/8 | Second Deck Stringer Plate, br'dth & thickness | 32 | 7/16 | 32 |
| BEAMS, Upper Deck, Single Angle, Bulb | 9 | 2-65 20/64 | 9 | Angles on ditto, No. | 3 1/2 x 3 1/2 | 7/16 | 3 1/2 x 3 1/2 |
| Angle, Plate, Tee Bulb, or Channel | 9 | 2-65 20/64 | 9 | Tie Plates outside Hatchways | 24 | 7/16 | 24 |
| In way of Long Bridge | 27 | | 27 | Deck, Iron or Steel, for partial lng. | | | |
| Spacing | 12 | 3-29 35/64 | 12 | Wood Deck, Material & thickness | | | |
| BEAMS, Second Deck, Single Angle, Bulb | 54 | and 27 | 54 | Third Deck Stringer Plate, br'dth & thickness | | | |
| Angle, Plate, Tee Bulb, or Channel | | | | Angles on ditto, No. | | | |
| Spacing | | | | Tie Plates, outside Hatchways | | | |
| BEAMS, Third and Fourth Deck, Single Angle, | | | | Deck, Material & thickness | | | |
| Bulb Angle, Plate, Tee Bulb, or Channel | | | | Fourth and Fifth Deck Stringer Plate, br'dth & thickness | | | |
| Angles on upper edge | | | | Angles on ditto, No. | | | |
| Spacing | | | | Tie Plates outside Hatchways | | | |
| BEAMS, Poop Deck, Angle, Bulb Angle, Plate, | 8 | 2-43 16-25 | 8 | Deck, Material & thickness | | | |
| Tee Bulb, or Channel | | | | Poop Deck Stringer Plate, breadth & thickness | 60 | 5/16 | 60 |
| Angles on upper edge | | | | Angle on ditto | 3 1/2 x 3 1/2 | 7/16 | 3 1/2 x 3 1/2 |
| Spacing | | | | Tie Plates | | | |
| BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, | 8 | 2-43 16-25 | 8 | Deck, Material and thickness | | | |
| Tee Bulb, or Channel | | | | Bridge Deck Stringer Plate, br'dth & thickness | 50 | 1/2 | 50 |
| Angles on upper edge | | | | Angle on ditto | 5x5 | 1/2 | 5x5 |
| Spacing | | | | Tie Plates | | | |
| BEAMS, Forecastle Deck, Angle, Bulb Angle, | 8 | 2-53 18-75 | 8 | Deck, Material and thickness | | | |
| Plate, Tee Bulb, or Channel | | | | Forecastle Deck Stringer Plate, br'dth & th'kns | 60 | 5/16 | 60 |
| Angles on upper edge | | | | Angle on ditto | 3 1/2 x 3 1/2 | 7/16 | 3 1/2 x 3 1/2 |
| Spacing | | | | Tie Plates | | | |
| | | | | Deck, Material and thickness | | | |

W656-0198 12

WEB FRAMES. In Fore Body, No. and spacing 502 1/2 x 1/2. 1026 x 1/2. 2018 x 1/2. 27" at full. 18" at heel. No. of Side Stringers 14. WEB-FRAMES. In E. & B. Space, No. and spacing 24 x 1/2. 27 x 1/2. WEB-FRAMES. In After Body, No. and spacing 402 1/2 x 1/2. 2018 x 1/2. 27" at full. 18" at heel. No. of Side Stringers 14. BRACKET PLATES to Stringers between Web Frames, depth and thickness. 1/2" x 1/2". BULKHEADS. Number 5. Thickness 5/8". STIFFENERS. Horizontal Size 15 x 3/4. Vertical Size 15 x 3/4. Single or Double Frames Single. Height up, state deck 14'. W.T. BULKHEADS 14. Non-W.T. 89. COLLISION PARTITION 59. LONGITUDINAL 24. Are the outside Plates doubled two spaces of Frames in length? No. Are the Stave Valves and Watertight Doors in efficient working order? Yes.

| STRAKES. | AS IN SHIP. | | | | PER RULE OR AS APPROVED. | | | | EDGES. | | | | BUTTS. | | | |
|---|-------------|-----------|-----------|-----------|--------------------------|-----------|-----------|-----------|----------------------|-----------|---------------------------------------|---------|---------|------------|-------|--------|
| | AMIDSHIP. | FORWARD. | AFT. | | AMIDSHIP. | FORWARD. | AFT. | | Ordinary or Joggled? | Ordinary. | Double or Triple and for what Length. | RIVETS. | STRAPS. | IF LAPPED. | | |
| FLAT PLATE KEEL | 56 | 14 1/2 | 58 | 58 | 56 | 14 1/2 | 58 | 58 | double | 6 | 1 3/4 | 3 3/4 | 19 | 12 | full | |
| GARBOARD OR A STRAKE | 56 | 14 1/2 | 58 | 58 | 56 | 14 1/2 | 58 | 58 | " | 5 1/4 | 7/8 | 3 1/2 | 19 | 12 | full | |
| State actual thickness in any of Double Bottom. | B | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| C | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| D | 56 | 14 1/2 | 58 | 58 | 56 | 14 1/2 | 58 | 58 | " | " | " | " | " | " | " | |
| E | 66 | 14 1/2 | 58 | 58 | 66 | 14 1/2 | 58 | 58 | " | " | " | " | " | " | " | |
| F | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| G | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| H | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| I | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| J | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| K | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| L | 86 | 14 1/2 | 58 | 58 | 86 | 14 1/2 | 58 | 58 | " | " | " | " | " | " | " | |
| M | 45 1/2 | 14 1/2 | 58 | 58 | 54 | 14 1/2 | 58 | 58 | " | " | " | " | " | " | " | |
| N | 54 | 14 1/2 | 58 | 58 | 54 | 14 1/2 | 58 | 58 | " | " | " | " | " | " | " | |
| O | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| P | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| Q | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| R | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| S | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| T | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| U | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| V | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| W | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | |
| THICKNESS OF STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. OF Flat Plate Keel | 9/16 | 9/16 | 9/16 | 9/16 | 9/16 | 9/16 | 9/16 | 9/16 | " | " | " | " | " | " | " | |
| Sheerstrakes Length and thickness. | see above | see above | see above | see above | see above | see above | see above | see above | " | " | " | " | " | " | " | |
| POOP SIDES | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | double | 4 1/2 | 3/4 | 3 | double | 3/4 | 2 5/8 | 5 full |
| SHORT BRIDGE SIDES | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | double | 4 1/2 | 3/4 | 3 | double | 3/4 | 2 5/8 | 5 full |
| FORECASTLE SIDES | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | double | 4 1/2 | 3/4 | 3 | double | 3/4 | 2 5/8 | 5 full |

Upper Deck Stringer Plate Butts, QUAD riveted for full length amidship. Second Deck Stringer Plate Butts, double riveted for full length amidship. Frames, riveted through Plates with 7/8 in rivets, about 5 1/2 apart. Rivets, state whether Iron or Steel. Steel.

FRAMES extend in one length from upper turn of bilge to upper deck, Alternate frames to bridge. REVERSED FRAMES on floors and frames extend from Centre girder to tank side. MASTS, SPARS, &c. Lower Masts: Fore, Main, Mizen. Bowsprit. Topmasts, Yards and Remainder of Spars. Riggers, Material and Size, Shrouds. Sails. Suit of. Stays. Sails, and the following spare sails.

| EQUIPMENT No. 25362 | | LETTER V | | ANCHORS. | | TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS | |
|-----------------------|-----------|-------------------|-----------------|-----------------------|-----------------------------|--|------------------------|
| Number of Certificate | Anchor | Weight, Ex. Stock | Weight of Stock | Test, Per Certificate | Weight Required by Table 31 | Description of Anchor | Makers |
| 24640 | 1st Bower | 53 0 19 | 44 7 20 | 48 3 0 | 48 3 0 | Ball's Anchor | Ball's Anchor Co. N.Y. |
| 24928 | 2nd " | 51 3 4 | 43 12 20 | 48 3 0 | 48 3 0 | " | " |
| 23903 | 3rd " | 44 0 2 | 38 15 24 | 48 3 0 | 48 3 0 | " | " |
| 24925 | 4th " | | | | | " | " |
| 24921 | Stream | 18 3 0 | 20 10 2 14 | 20 10 2 14 | 20 10 2 14 | " | " |
| | Kedge | 8 1 26 | 10 12 2 0 | 7 0 2 14 | 7 0 2 14 | " | " |

| CHAIN CABLES. | | HAWSERS AND WARPS. | |
|-----------------------|---------------------------|---------------------------|---------------------------|
| Number of Certificate | Length and size supplied | Length and size supplied | Length and size supplied |
| 1885 | 210 2 70 100 1/2 193.3-21 | 210 2 70 100 1/2 193.3-21 | 210 2 70 100 1/2 193.3-21 |
| 666 | 45 2 70 100 1/2 193.3-21 | 45 2 70 100 1/2 193.3-21 | 45 2 70 100 1/2 193.3-21 |
| 694 | 15 2 70 100 1/2 193.3-21 | 15 2 70 100 1/2 193.3-21 | 15 2 70 100 1/2 193.3-21 |

Boats: two lifeboats, one dinghy. Steering Gear, Steam gear, placed in poop. Steering Gear, Hand gear, placed in fore. Pumps, Number 2. Windlass is a Steam Windlass of good design suitable for the vessel. Engine Room Skylights: How constructed? Steel. Coal Bunker Openings: How constructed? Channel. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 12 freeing ports. Ceiling in Holds, thickness and material. 3" pine laid on 3" battens. Cargo Hatchways: How formed? Steel. State size No. 1 Hatch (Forward) 24-9 x 18-0. No. 2 Hatch 29-3 x 18-0. No. 3 Hatch 29-3 x 18-0. No. 4 Hatch 24-9 x 18-0. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. 1st and 4th hatches have each 5 webs. No. 2 and 3 hatches have each 6 webs. Bulwarks, height above deck and description. Steel plating 4'-0" high. The foregoing is a correct description. SUBMARINE BOAT CORPORATION. Builder's Signature: Dec. A. Anthony. Surveyor's Signature: John Mac Lachlan.

Workmanship. Are the butts of plating planed or otherwise fitted? Overlapped butts. Sheared edges. Is the riveted work properly closed? Yes. Are the liners between the frames and plates solid single pieces? Yes. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes. Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Yes. Do any rivets break into or through the seams or butts of the plating? No. Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes. Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes. State results of tests: Satisfactory. Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes. State results of tests: Satisfactory. General Remarks (State quality of workmanship, &c.): This vessel has been built in accordance with the approved plans, letters of the above dates and in other respects in accordance with the Rules. The workmanship and material is good. Electric light has been fitted and the inner bottom tanks and after peak tank has been fitted to carry oil fuel of a flash point above 150°F. Section 109 of the Rules has been complied with.

Amended fee (supplied) The amount of Entry Fee £ 443 13. Special Survey Fee £ 100 0 0. Travelling Expenses, if any £ 0 0 0. Fees applied for, 29 July 1920. Received by me, 10/12/20. Certificate to be sent to. Date of issue 24.8.20. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed 100 A.I. fitted for oil fuel. With, or without Freeboard, as condition of Class Without. Committee's Minute. Character assigned + 100 A.I. + Lmb. 6.20 Subject fitted for oil fuel 6.20 37. above 150°F. Note: C.P. Ego be v. Elec Lt. W.D. Bbs. John Mac Lachlan Surveyor to Lloyd's Register of Shipping.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30 ft., R.Q.D. ✓ ft., Bridge 90 ft., Forecastle 35 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given should appear in the Register Book) 1 db 112 partial deck in No. 1 and 4 hold
 Official No. 220010 ; Signal Letters L.W.M.T. State if Machinery is fitted aft no
 How are the surfaces preserved from oxidation? Inside Cement and paint. No paint in oil tanks Outside paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. Cellular System

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capacity. Tons. |
|---|---------------------------------|--------------------------|--|-------------------|--------------------------|
| Double bottom, aft, | 81 | 214 | Fore peak tank, | 16 | 111 |
| Double bottom, under Engines and Boilers, | 38 | 155 | After peak tank, | 16 | 69 |
| Double bottom, if under Engines only, | | | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | | |
| Double bottom, forward, | 132 | 458 | Other tanks, if fitted, | | |
| | Total capacity of double bottom | 827 | (If necessary, furnish further information by sketch.) | | |

* The wells are not to be included in the lengths of the tanks. 251

State whether the above have been tested as required by the Rules. Cellular System

Order for Special Survey No.

Date

No. 120 in builder's yard.

DATES of Surveys held while building

1919 Dec 12 18 19 22 23 27 29 30 1920 Jan 2 3 5 6 7 9 10 12 13 14 19 Feb 27 Mar 11 17 18 24 25 26 27 30
 Apr 1 5 8 9 11 12 13 15 28 30 June 5 11

Total No. of Visits 41

Surveyor's Signature

John Mac Lachlan

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