

With or Without
Disconnected Erections.

STEEL STEAMER.

REC'D NEW YORK FEB 14 1921

L.V. STANFORD

THU. 3 MAR. 1921

Received at London Office

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

Date of completion of report 7th February 1921 Port of Philadelphia Pa. No. 4110.
Survey held at Wilmington Del. Date, First Survey 9th June 1920 Last Survey 1st February 1921

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

TONNAGE under Tonnage Deck 6509.22

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk. 6509.22

Do. of Poop 220.28

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle 25.06

Do. of Houses on Dk. 224.06

Do. of excess of Hatchways

Do. above Crown of Engine Room 149.04

Gross Tonnage 7137.76

Crew Space

above Crown of Engine Room

AGE FOR FEES 7137.76

Engine Room 1563.95

Navigation Spaces 462.08

ster Tonnage 5111.73

out on Beam

SINGLE SCREW STEAMER "ALBERT E. WATTS"

CLASS 4100 A.I. CARRYING PETROLEUM IN BULK LONGITUDINAL FRAMING

Rig 2 masts - no sails

Master T.A. HILLGROVE

Year of appointment (1) As Master in service of owner of present vessel - 1917 (2) As Master of this vessel - 1921

Built at Wilmington Del

When built Feb. 1921 Launched 28th Dec. 1920

By whom built Bethlehem S.B. Corp. Ltd. (Hartland Plant)

Owners Sinclair Navigation Co.

Managers

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

Residence New York N.Y.

Port belonging to New York N.Y.

Breadth (greatest moulded) 59.00

Depth at middle of length from top of keel to top of upper deck beams at side 33.25

Transverse Number 92.25

Length on deck from fore part of stem to after part of stern post 430.00

Longitudinal Number 39694

Depth "d" at middle of length (See Secs. 2 & 13) 12.94

Proportions - Depths to Length - Upper Deck Beam at side to top of keel

" " Long Bridge Deck Beam at side to top of keel

Destined Voyage Genoa Italy If Surveyed while Building, Afloat, or in Dry Dock

| Feet. | Inches. | BREADTH | Feet. | Inches. | DEPTH, ACTUAL | Feet. | Inches. | No. of Decks with flat laid |
|-------|---------|---------|-------|---------|---|-------|---------|-----------------------------|
| 430 | 0 | Moulded | 59 | 0 | Top of Floors to top of Upper Dk. Beams | 33 | 3 | Two |
| | | | | | Do. do. do. do. Second Dk. Beams | 24 | 0 | No. of Tiers of Beams Two |

Moulded depth, ft. 41 ins. 0 To Bridge Dk. Round of Upper Dk. Beam, Actual 15 ins.

Moulded depth, ft. 33 ins. 3 To Upper Dk. Dk. Beam, Actual 15 ins.

Dimensions of Ship per Register, Length 430.20 breadth 59.20 depth 32.80

FRAMING. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship.

NAME, Angles, or Bars amidships Longitudinal Framing

Do. in peaks 8 3 1/2 4 5 8 3 1/2 4 5

Do. in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 4 4 3 1/2 3 1/2 4 4

" " at intermdt. Bkts. - - - - -

acing of Frames from centre to centre amidships Longitudinal Framing

" " from 1/2 length to Collision bulkhead 28 1/2 Engine Room only

" " in peaks. - 24 - - 24 -

EVERSED FRAME, Angles. - - - - -

Do. in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 4 4 3 1/2 3 1/2 4 4

" " at intermdt. Bkts. - - - - -

RAMING, depth of girder 8 in Peaks 8 in Peaks

LOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships

" in way of Engine and Boiler Spaces - - - - -

" thickness at the ends of vessel - - - - -

" depth at 1/2 the half breadth, as per Rule - - - - -

" height extended at the Bilges - - - - -

FLOORS in Cell. Double Bottoms F.R. ONLY 53 4 44 53 4 44

" state if flanged (top & bottom) - NO - - NO -

" Spacing of Solid floors F.R. ONLY 28 1/2 - - 28 1/2 - -

CENTRE GIRDER in Dbl. bottom, dpth. & thcknss. 63 - 47 63 - 47

ENGINE " Angles, Top 3 1/2 3 1/2 50 3 1/2 3 1/2 50

ROOM " " Bottom 5 5 56 5 5 56

ONLY " " to Floors 3 1/2 3 1/2 44 3 1/2 3 1/2 44

" Brackets at intermdt. frmg., wdth & thkns - - - - -

SIDE GIRDERS (number on each side & thickness) Two - 44 Two - 44

ENGINE " state if flanged (top and bottom) - NO - - NO -

ROOM " Angles (top and bottom) 3 1/2 3 1/2 44 3 1/2 3 1/2 44

ONLY " " to Floors 3 1/2 3 1/2 44 3 1/2 3 1/2 44

MARGIN PLATE (depth exclusive of flange) LEVEL 59 LEVEL 59

ENGINE " and thickness 6 4 625 6 4 625

ROOM " Angle to Outside Plating - - - - -

ONLY " " Floors - - - - -

" Brackets at intermdt. frmg., wdth & thkns - - - - -

" Height of Outside Brackets above at bilge Longitudinal framing

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake E. 53/59 B. 59 E. 53/59 B. 59

" " in Engine and Boiler space - - - - -

" " Remainder in Holds - - - - -

BEAMS, Upper Deck, Single Angle, Bulb 7 3 1/2 40 7 3 1/2 40

VT PEAK " Angle, Plate, Tee Bulb, or Channel 7 3 1/2 40 7 3 1/2 40

ORE " In way of Long Bridge - - - - -

" Spacing 24 - - 24 - -

BEAMS, Second Deck, Single Angle, Bulb 10 3 7/8 37 10 3 7/8 37

AST PEAK " Angle, Plate, Tee Bulb, or Channel 10 3 7/8 37 10 3 7/8 37

FORE " Spacing 24 - - 24 - -

BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel - - - - -

" Angles on upper edge - - - - -

" Spacing - - - - -

BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel Longitudinal

" Angles on upper edge - - - - -

" Spacing - - - - -

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel Longitudinal

" Angles on upper edge - - - - -

" Spacing - - - - -

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 7 3 1/2 40 7 3 1/2 40

" Angles on upper edge - - - - -

" Spacing 24 - - 24 - -

PILLARS.

| PILLARS | In 'tween Deck, size and spacing | Inches in Ship. | Inches Spacing in Ship. | Inches per Rule. Or as Approved. |
|--------------------------|----------------------------------|-----------------|-------------------------|----------------------------------|
| " " Hold | " " | | | |
| " " Quarter 'tween Dks., | " " | | | |
| " " in Hold | " " | | | |

KEELSONS & STRINGERS.

| CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| " " Rider Plate, Lower Plate, & BHR. | - | 52 | - | - | 52 | - |
| " " Flat Plate Keel Angles | 6 | 6 | 62 | 6 | 6 | 62 |
| " " Horizontal Plates on Floors | - | - | - | - | - | - |
| " " Angles or Bulb Angles | - | - | - | - | - | - |
| SIDE KEELSONS, Number | - | - | - | - | - | - |
| " " Angles or Bulb Angles | - | - | - | - | - | - |
| " " Plate above floors, for length | - | - | - | - | - | - |
| " " Intercoastal Plate, for length | - | - | - | - | - | - |
| " " Attached to outside Plating with Angle | - | - | - | - | - | - |
| BILGE KEELSON, Angles | - | - | - | - | - | - |
| " " Intercoastal Plate, for length | - | - | - | - | - | - |
| " " Attached to outside Plating with Angle | - | - | - | - | - | - |
| SIDE STRINGERS, Number | - | - | - | - | - | - |
| " " Angle | - | - | - | - | - | - |
| " " Intercoastal Plate, for length | - | - | - | - | - | - |
| " " Attached to outside plating with Angle | - | - | - | - | - | - |

| | | | | |
|---|-----------------|------|-----------------|-----|
| Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge) | 63 | 64 | 63 | 64 |
| " " " " br'dth & thickness (in way of Bridge) | 63 | 813 | 63 | 813 |
| " " " " Angle (clear of Bridge) | 6 x 6 x | 625 | 6 x 6 x | 625 |
| " " Tie Plate at sides of Hatchways | - | - | - | - |
| " " Deck * Iron or Steel, for FULL lng. | - | - | - | - |
| " " Thickness (clear of Bridge) | 58 To | 36 | 58 To | 36 |
| " " " " (in way of Bridge) | 64 To | 47 | 64 To | 47 |
| " " Wood Deck. Material & thickness | NO WOOD | DECK | - | - |
| Second Deck Stringer Plate, br'dth & thickness | 92 5/8 | 44 | 92 5/8 | 44 |
| " " Angles on ditto, No. ONE | 5 x 5 x | 50 | 5 x 5 x | 50 |
| " " Tie Plates outside Hatchways | - | - | - | - |
| " " Deck * Iron or Steel, for FULL lng. | 40 To | 34 | 40 To | 34 |
| " " Wood Deck. Material & thickness | NO WOOD | DECK | - | - |
| Third Deck Stringer Plate, br'dth & thickness | - | - | - | - |
| " " Angles on ditto, No. | - | - | - | - |
| " " Tie Plates, outside Hatchways | - | - | - | - |
| " " Deck * Material and thickness | - | - | - | - |
| Fourth and Fifth Deck Stringer Plate, breadth & thickness | - | - | - | - |
| " " Angles on ditto, No. | - | - | - | - |
| " " Tie Plates outside Hatchways | - | - | - | - |
| " " Deck. Material & thickness | - | - | - | - |
| Poop Deck Stringer Plate, breadth & thickness | 41 | 36 | 27 | 36 |
| " " Angle on ditto | 3 1/2 x 3 1/2 x | 38 | 3 1/2 x 3 1/2 x | 38 |
| " " Tie Plates | - | - | - | - |
| " " Deck. Material and thickness | STEEL | - | 34 | - |
| Bridge Deck Stringer Plate, br'dth & thickness | 45 | 32 | 45 | 32 |
| " " Angle on ditto | 3 1/2 x 3 1/2 x | 44 | 3 1/2 x 3 1/2 x | 44 |
| " " Tie Plates | - | - | - | - |
| " " Deck. Material and thickness | STEEL | - | 32 | - |
| Forecastle Deck Stringer Plate, b'dth & th'kns | 48 | 34 | 48 | 34 |
| " " Angle on ditto | 3 1/2 x 3 1/2 x | 38 | 3 1/2 x 3 1/2 x | 38 |
| " " Tie Plates | - | - | - | - |
| " " Deck. Material and thickness | STEEL | - | 34 | - |

If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

WEB FRAMES. In Fore Body, No. and spacing. No. of Side Stringers. WEB FRAMES, In E. & B. Space, No. and spacing. WEB FRAMES, In After Body, No. and spacing. No. of Side Stringers. Size of Face Angles to Web-Frames. BRACKET PLATES to Stringers between Web Frames, depth and thickness.

FORGINGS or CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. for Propeller. RUDDER-A x D* Table 22. Speed 11 knots. Main-Piece, diameter at head. at heel.

RUDDER, how constructed. Thickness of Plates or Single Plate. Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. Has the Steel been tested as required by the Rules?

PLATING. STRAKES. AS IN SHIP. FORWARD. AFT. PER RULE OR AS APPROVED. EDGES, Ordinary or Joggled? BUTTS. Rivets. Straps. If Lapped.

UPPER SHEER. K. L. M. N. O. P. Q. R. S. T. U. V. W.

THICKNESS OF STRAKES CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW DECK OF Flat Plate Keel. Sheerstrakes. Length and thickness. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES.

Upper Deck. Stringer Plate. Second Deck. Stringer Plate. Butts, riveted for. length amidship. Butts of Side Stringers. Tie Plates. Inner Bottom Plating, riveting of Edges. Centre Girder Butts. Keelson Butts. Frames, riveted through Plates with. Rivets, state whether Iron or Steel.

FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from.

MASTS, SPARS, &c. LOWER MASTS. Fore. Main. Mizzen. Bowsprit. Topmasts, Masts and Reminders of Spars. Rigging, Material and Size, Shrouds. Sails.

EQUIPMENT No. 41339. LETTER b7. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS.

Number of Certificate. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 31. Description of Anchor. Makers. Where and when tested and Superintendent.

10784. 1st Bower. 72. 2. 16. 55. 0. 0. 0. 72. 2. 16. Balat. Balat Anchor & Lester 29-4-20 W.S.M.N.

10787. 2nd. 71. 2. 17. 54. 10. 0. 0. 71. 2. 17. " " " 6-4-20 " " "

10765. 3rd. 62. 2. 25. 49. 17. 2. 0. 62. 2. 25. " " " " " " "

10778. Stream. 25. 2. 19. 25. 5. 3. 21. 25. 2. 14. Balat. Balat Anchor & Lester 16-4-20 W.S.M.N.

10772. Kedge. 12. 0. 6. 13. 17. 2. 0. 11. 1. 0. " " " " " " "

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

1st Bower. 49-3-18. 21-2-27. 10784. 29-4-20. Lead 12 feet.

2nd. 49-3-18. 21-2-27. 10787. 29-4-20. " " "

3rd. 45-0-20. 17-2-5. 10765. 6-4-20. " " "

NOTE. Shanks of forged open hearth Ingot Steel.

CHAIN CABLES. Number of Certificate. Length and size supplied. Test per Certificate. WEIGHT OF CHAIN CABLE. Length and size per Table 31. 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 31.

773. 300. 2 3/8. 10 1/2. 1420. 928-3-26. 844-1-0. 300. 2 3/8. 970. U.S. Chain & Forging Co. Mikes Rock la. 16-4-20. L.C.C. HAWERS & WARPS. Length and size supplied. Breaking Test of Steel Wire. Length and size per Table 31.

120. 5. 73. 120. 5. 63.W. J.A. Eastings. Newton. 2-9-20. 2-200. 7. 60.W.

Boats. 4 Lifeboats and one working boat. Steering Gear, Steam. Steering Gear, Hand. Pumps, Number. No. per approved plan. Diameter of Barrel. State whether they are in efficient working order.

Windlass. Steam. By Bethlehem S.S. Ship Co. - Moore Plant. Capstan.

Engine Room Skylights. How constructed? Steel plates & angles. What arrangements for deadlights in bad weather? Steel flaps & bulls after.

Coal Bunker Openings. How constructed? Steel plates & angles. How are lids secured? by bolts & battens. Height above deck? 32".

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 5 scuppers each side. 11 freeing ports 43"x15" each side.

Ceiling in Holds, thickness and material. Cargo Battens, thickness and material. Hatches, If strong and efficient? Yes.

Cargo Hatchways. How formed? Steel plates and angles. State size No. 1 Hatch (Forward) 8'0" x 15'3". No. 2 Hatch 10'0" x 14'0". No. 3 Hatch 5'0" x 10'0".

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. No. 1. 3 steel fore and afters. No. 2. 5 steel fore and afters. No. 3. 3 steel fore and afters.

Buttways, height above deck and description. 45"x40" steel plates. Main Rail, material and size. Steel. 6"x33"x3/8"x3/8" channel.

The foregoing is a correct description. Surveyor's Signature. J. Lunde Green. Builder's Signature (here only). General Superintendent. J. Lunde Green.

Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case). NEW YORK. 14-1-20. 29-1-20. 26-2-20. 29-3-20. 6-4-20. 3-5-20. 1-1-21. 18-1-21.

Workmanship. Are the butts of plating planed or otherwise fitted? Planed where practicable.

Is the riveted work properly closed? 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 faying surfaces? Yes. Do any rivets break into or through the seams or butts of the plating? A few.

Are the butts of plating, stringers, &c., properly shifted and strapped? Yes or overlapped? Yes. State results of tests. Satisfactory.

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 is a water ship to the S.S. "EUGENE V.R. THAYER". (Kila Report N° 4061) and has been built in accordance with the Rules, the approved plans, and the Secretary's letters of the above mentioned dates. The workmanship throughout is good. All the cargo oil tanks, cofferdams, and oil fuel bunkers have been tested as required by the Rules, and found satisfactory. The vessel is fitted with wireless and submarine signalling apparatus. Plans of Machinery Section, Profile and deck plans, three casting and forging Reports, and copies of Interim & Provisional Freeboard Certificate are forwarded herewith.

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.

FREEBOARD FEE \$ 50.00. The amount of Entry Fee \$ 25.00. Special Survey Fee \$ 107.00. Travelling Expenses, if any \$ 139.00. NEW YORK. 5/4/21. Certificate to be sent to Philadelphia. Date of issue 18/3/21.

State whether the Vessel has been built under Special Survey. Yes. Carrying Petroleum in Bulk. I am of opinion this Vessel should be Classed. Fitted for Oil Fuel. Class about 150°. J. Lunde Green. Surveyor to Lloyd's Register of Shipping.

With, or without Freeboard, as condition of Class. Without.

Committee's Minute. New York. FEB 15 1921. Character assigned. note: Acc. Carr. pet. in bulk + L. m. 6. 2. 21. Fitted for oil fuel 221 SP. at 150°.

MASTS, SPARS, &c. LOWER MASTS. Fore. Main. Mizzen. Bowsprit. Topmasts, Masts and Reminders of Spars. Rigging, Material and Size, Shrouds. Sails.

PARTICULARS OF LONGITUDINAL FRAMING.

| FRAMING. | | AMIDSHIPS. | | | ENDS. | | | AMIDSHIPS. | | | ENDS. | | | RIVETING. | | | |
|--|--|------------------------|-------|------|-----------------|-------|------|--------------------------|-------|------|--------------------------|-------|------|--------------------------------|--|----------------------------------|-------------------|
| | | In Ship. | | | In Ship. | | | Per Rule or as approved. | | | Per Rule or as approved. | | | Rivets in Longitudinal Frames. | Spacing of Rivets on each side of Transverses and Bulkheads. | Rivets in Brackets to Bulkheads. | |
| | | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Number. | Diameter, Inches. |
| Framing of L AND C | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Frames in Bridge 'tween Decks L | | 7 | 3 1/2 | 40 | - | - | - | 7 | 3 1/2 | 40 | - | - | - | 7 | 3 1/2 | 40 | 7/8 |
| Frames from Uppermost Continuous Deck | | 7 | 3 1/2 | 40 | 7 | 3 1/2 | 40 | 7 | 3 1/2 | 40 | 7 | 3 1/2 | 40 | 7 | 3 1/2 | 40 | 7/8 |
| " 2 | | 7 | 3 1/2 | 40 | 7 | 3 1/2 | 40 | 7 | 3 1/2 | 40 | 7 | 3 1/2 | 40 | 7 | 3 1/2 | 40 | 7/8 |
| " 3 | | 8 | 3 1/2 | 40 | 8 | 3 1/2 | 40 | 8 | 3 1/2 | 40 | 8 | 3 1/2 | 40 | 8 | 3 1/2 | 40 | 7/8 |
| " 4 | | 8 | 3 1/2 | 40 | 8 | 3 1/2 | 40 | 8 | 3 1/2 | 40 | 8 | 3 1/2 | 40 | 8 | 3 1/2 | 40 | 7/8 |
| " 5 | | 9 | 3 1/2 | 40 | 9 | 3 1/2 | 40 | 9 | 3 1/2 | 40 | 9 | 3 1/2 | 40 | 9 | 3 1/2 | 40 | 7/8 |
| " 6 | | 9 | 3 1/2 | 40 | 9 | 3 1/2 | 40 | 9 | 3 1/2 | 40 | 9 | 3 1/2 | 40 | 9 | 3 1/2 | 40 | 7/8 |
| " 7 | | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 7/8 |
| " 8 | | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 7/8 |
| " 9 | | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 7/8 |
| " 10 | | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 10 | 3 1/2 | 40 | 7/8 |
| " 11 to 17 | | 15 | 3 1/2 | 40 | 15 | 3 1/2 | 40 | 15 | 3 1/2 | 40 | 15 | 3 1/2 | 40 | 15 | 3 1/2 | 40 | 7/8 |
| " 18 to 23 | | 15 | 3 1/2 | 40 | 15 | 3 1/2 | 40 | 15 | 3 1/2 | 40 | 15 | 3 1/2 | 40 | 15 | 3 1/2 | 40 | 7/8 |
| " 14 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| " 15 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| " 16 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Spacing of Longitudinal Frames | | Amidships | | | At Ends | | | Amidships | | | At Ends | | | | | | |
| Double Bottoms | | Tank Top Longitudinals | | | Bottom | | | Tank Top Longitudinals | | | Bottom | | | | | | |
| UNDER BOILERS | | Amidships | | | At Ends | | | Amidships | | | At Ends | | | | | | |
| Spacing of Longitudinals | | 27 | | | 27 | | | 27 | | | 27 | | | | | | |
| Transverses. | | | | | | | | | | | | | | | | | |
| In Bridge 'tween Decks | | Depth and Thickness | | | Face Angles | | | Depth and Thickness | | | Face Angles | | | | | | |
| In Upper 'tween Decks | | Depth and Thickness | | | Face Angles | | | Depth and Thickness | | | Face Angles | | | | | | |
| In Hold. | | Depth and Thickness | | | Face Angles | | | Depth and Thickness | | | Face Angles | | | | | | |
| Spacing of Transverse Frames | | 109 3/8 | | | 96 3/8 | | | 109 3/8 | | | 96 3/8 | | | | | | |
| Longitudinal Beams of | | Bridge Deck | | | Poop | | | Bridge Deck | | | Poop | | | | | | |
| " 1st | | 6 3 3/5 | | | 6 3 3/5 | | | 6 3 3/5 | | | 6 3 3/5 | | | | | | |
| " 2nd | | 7 3 1/2 | | | 7 3 1/2 | | | 7 3 1/2 | | | 7 3 1/2 | | | | | | |
| " 3rd | | 8 3 1/2 | | | 8 3 1/2 | | | 8 3 1/2 | | | 8 3 1/2 | | | | | | |
| Transverse Beams | | 15 x 3 1/2 x 40 | | | 15 x 3 1/2 x 40 | | | 15 x 3 1/2 x 40 | | | 15 x 3 1/2 x 40 | | | | | | |

The particulars of framing in peaks (if ordinary), Floors, Centre Girders, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

5e,3,17.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 134.00 ft., R.Q.D. ✓ ft., Bridge 36.46 ft., Forecastle 40.00 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated The Poop is not joined to the Bridge

No. and Material of Decks (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) 2 DKS (STL) & WEB FRAMES. LONGITUDINAL FRAMING.

Official No. 22/038; Signal Letters M.C.K.P. State if Machinery is fitted aft Yes (mach. aft.)
How are the surfaces preserved from oxidation? Inside Cement, paint or bitumastic, except Outside Paint.

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

| Where Fitted. | *Length. | Water Capacity. | Where Fitted. | *Length. | Water Capacity. |
|---|----------|-----------------|--|----------|-----------------|
| | Feet. | Tons. | | Feet. | Tons. |
| Double bottom, aft, | ✓ | ✓ | Fore peak tank, | - | 22 |
| Double bottom, under Engines and Boilers, | ✓ | ✓ | After peak tank, | - | 7 |
| Double bottom, if under Engines only, | 38 | 82 | Deep tank, aft, | - | 58 |
| Double bottom, if under Boilers only, | 24 | 118 | Deep tank, forward, | 40 | 58 |
| Double bottom, forward, | - | - | Other tanks, if fitted, | - | - |
| Total capacity of double bottom | | 200 | (If necessary, furnish further information by sketch.) | | |

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

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

Order for Special Survey No. 412
Date 29th Jan 1920
No. 3474 in builder's yard.
DATES of Surveys held while building
1920. JUNE 9, 15, 17, 23, 24. JULY 1, 7, 14, 23, 29. AUG. 10. SEPT. 7, 8, 13, 16, 20, 22, 24, 27. OCT. 12, 15, 18, 19, 20, 22, 25, 26, 27, 28, 29. NOV. 1, 3, 5, 8, 9, 10, 11, 12, 15, 16, 17, 19, 22, 23, 26. DEC. 1, 11, 13, 15, 17, 20, 21, 23, 27, 30. 1921. JAN. 3, 5, 7, 10, 12, 13, 18, 20, 22, 25, 26, 28. FEB.

Surveyor's Signature

Surveyor's Signature J. Lindegreen
Lloyd's Register Foundation