

With or Without Disconnected Erections.

REC'D NEW YORK 5.10.1919 STEEL STEAMER.

Received at London Office

Date of completion of report January 14th 1919
Survey held at PORTLAND, OREGON

State if Report is also sent on the Machinery of the Vessel Y/N
Port of PORTLAND, OREGON
Date, First Survey July 2nd 1918 Last Survey December 17th 1918

No. 545

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

TONNAGE under 5143.56

Tonnage Deck Double

Do. between Tonnage Dk. Bottom 104.84

and 3rd and 4th Dk. 5248.40

Total under Upper Dk. 148.26

Do. of Poop 7.20

Do. of Bridge House 438.81

Do. of Forecastle 125.72

Do. of Houses on Dk. 172.80

Do. of excess of Hatchways 38.14

Do. above Crown of Engine Room 6179.33

Gross Tonnage 252.11

Less Crew Space

Less above Crown of Engine Room

Spaces 1195.81

age 92.74

4638.67

CLASS +100 A-1.

FEET.

Master R. Patterson

Year of appointment

Built at PORTLAND, OREGON

When built 1918 Launched Oct. 26th 1918

By whom built Columbia River Shipbuilding Corp.

Owners The Emergency Fleet Corporation

Managers

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

Residence

Port belonging to PORTLAND, OREGON

Destined Voyage

If Surveyed while Building, Afloat, Yes

| Deck | Feet. | Inches. | BREADTH— | Feet. | Inches. | DEPTH, ACTUAL— | Feet. | Inches. | No. of Decks with flat laid |
|------|-------|---------|----------|-------|---------|-------------------------|-------|---------|-----------------------------|
| Do. | 1410 | 5 1/2 | Moulded | 50 | 0 | Do. do. do. do. do. do. | 26 | 5 | 2 |
| | | | | | | | | | |

Ship per Register, Length 410.0 breadth 50.2 depth 27.6 Moulded depth, ft. 30 ins. 8 3/4 To Bridge Dk. Round of Upper Dk. Beam, Actual 32 ins.

| FRAMING. | | | | PILLARS. | | | | KEELSONS & STRINGERS. | | | |
|---|----------------|----------------|--------------------------------|----------------|----------------|----------------|--------------------------------|--|------------------|------------------|--------------------------------|
| Inches in Ship | Inches in Ship | Inches in Ship | Inches per Rule Or as Approved | Inches in Ship | Inches in Ship | Inches in Ship | Inches per Rule Or as Approved | Inches in Ship | Inches in Ship | Inches in Ship | Inches per Rule Or as Approved |
| Amidships | 9 | 3 1/2 | 28.6 | 9 | 3 1/2 | 28.6 | 28.6 | Centre Line Keelson, Vertical Plate above floors, Through Plate, or Intercoastal Plate | | | |
| Angles | 6 | 3 1/2 | 11.7 | 6 | 3 1/2 | 11.7 | 11.7 | Rider Plate | | | |
| of Double Bottoms at Solid Floors | 3 1/2 | 3 1/2 | 9.8 | 3 1/2 | 3 1/2 | 9.8 | 9.8 | Flat Plate Keel Angles | | | |
| " at intermdt. Bkts. | | | | | | | | Horizontal Plates on Floors | | | |
| ames from centre to centre amidships | | 27 | | | 27 | | | Angles or Bulb Angles | | | |
| " from 1/2 length to Collision bulkhead | | 27 | | | 27 | | | Side Keelsons, Number | | | |
| " in peaks | | 24 | | | 24 | | | Angles or Bulb Angles | | | |
| FRAME, Angles | 3 | 3 1/2 | 7.9 | 3 | 3 1/2 | 7.9 | 7.9 | Plate above floors, for length | | | |
| of Double Bottoms at Solid Floors | 3 1/2 | 3 1/2 | 9.8 | 3 1/2 | 3 1/2 | 9.8 | 9.8 | Intercoastal Plate, for length | | | |
| " at intermdt. Bkts. | | 9 | | | 9 | | | Attached to outside Plating with Angle | | | |
| Depth of girder | | | | | | | | Bilge Keelson, Angles | | | |
| Depth and thickness of Floor Plate | 44 | 40 | | 44 | 40 | | | Intercoastal Plate for length | | | |
| Mid-line for 1/2 length amidships | 55 | 40 | | 55 | 40 | | | Attached to outside Plating with Angle | | | |
| of Engine and Boiler Spaces | | | | | | | | Side Stringers, Number | | | |
| ess at the ends of vessel | | 36 | | | 36 | | | Angles | 7 | 3 1/2 | 17.0 |
| at 1/2 the half breadth, as per Rule | | | | | | | | Intercoastal Plate, for length | 13 | 44 | 13 |
| extended at the Bilges | | | | | | | | Attached to outside plating with Angle | 3 1/2 | 3 1/2 | 9.8 |
| Cell. Double Bottoms | | 40 | | | 40 | | | Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge) | 62 x .66 | 62 x .66 | |
| te if flanged (top & bottom) | 70 | | | 70 | | | | " " " " (br'dth & thickness (in way of Bridge) | 62 x .48 | 62 x .48 | |
| ing of Solid floors | 27 | | | 27 | | | | " " " " Angle (clear of Bridge) | 5 x 5 x .236 | 5 x 5 x .236 | |
| IDER, in Dbl. bottom, dpth. & thknss. | 44 | 52 | | 44 | 52 | | | " " Tie Plate at sides of Hatchways | Stat | Stat | |
| " Angles, Top | 3 1/2 | 3 1/2 | 12.4 | 3 1/2 | 3 1/2 | 12.4 | 12.4 | " Deck. Iron or Steel, for length | 48 | 48 | |
| " " Bottom | 5 | 5 | 11.1 | 5 | 5 | 11.1 | 11.1 | " " Thickness (clear of Bridge) | 40 | 40 | |
| " " to Floors | 5 | 5 | 11.1 | 5 | 5 | 11.1 | 11.1 | " " (in way of Bridge) | No wood deck | No wood deck | |
| ockets at intermdt. frmg., wdth & thknss | 20 | 40 | | 20 | 40 | | | Wood Deck, Material & thickness | 47 x .48 | 47 x .48 | |
| ERS, number on each side & thickness | | | | | | | | Second Deck Stringer Plate, br'dth & thickness | 35 x 3 1/2 x .98 | 35 x 3 1/2 x .98 | |
| state if flanged (top & bottom) | | | | | | | | Angles on ditto, No. | Two | | |
| Angles (top and bottom) | 3 1/2 | 3 1/2 | 9.8 | 3 1/2 | 3 1/2 | 9.8 | 9.8 | Tie Plates outside Hatchways | | | |
| " to Floors | 3 | 3 | 8.3 | 3 | 3 | 8.3 | 8.3 | Deck. Iron or Steel, for length | Stat | Stat | |
| ATE, depth (exclusive of flange) | 40 | 48 | | 40 | 48 | | | Wood Deck, Material & thickness | No wood deck | No wood deck | |
| " and thickness | 4 | 4 | 12.8 | 4 | 4 | 12.8 | 12.8 | Third Deck Stringer Plate, br'dth & thickness | | | |
| " Angle to Outside Plating | 3 1/2 | 3 1/2 | 9.8 | 3 1/2 | 3 1/2 | 9.8 | 9.8 | Angles on ditto, No. | | | |
| " Floors | | | | | | | | Tie Plates, outside Hatchways | | | |
| ockets at intermdt. frmg., wdth & thknss | | | | | | | | Deck. Material and thickness | | | |
| ght of Outside Brackets above at bilge | 30 | above Margin | | 30 | above Margin | | | Fourth and Fifth Deck Stringer Plate, br'dth & thickness | | | |
| OTTOM PLATING, breadth and thickness of Middle Line Strake | 44 | 52 | | 44 | 52 | | | " " Angles on ditto, No. | | | |
| " in Engine and Boiler space | 55 | 52 | | 55 | 52 | | | " " Tie Plates outside Hatchways | | | |
| " Remainder in Holds | 40 | ENDS | | 40 | ENDS | | | " " Deck, Material & thickness | 35 x .36 | 35 x .36 | |
| per Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 7 | 3-438 | 18.6 | 7 | 3-438 | 18.6 | 18.6 | Poop Deck Stringer Plate, breadth & thickness | 35 x 3 1/2 | 35 x 3 1/2 | |
| way of Long Bridge | | | | | | | | Angle on ditto | 3 1/2 x 3 1/2 | 3 1/2 x 3 1/2 | |
| acing | | 27 | | | 27 | | | Tie Plates | Stat | Stat | |
| cond Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 12 | 3 1/2 | 32.7 | 12 | 3 1/2 | 32.7 | 32.7 | Deck, Material and thickness | 56 x .56 | 56 x .56 | |
| acing | | 54 | | | 54 | | | Bridge Deck Stringer Plate, br'dth & thickness | | | |
| rd and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | | | | | | | | Angle on ditto | 5 x 5 x .20 | 5 x 5 x .20 | |
| lb Angle, Plate, Tee Bulb, or Channel | | | | | | | | Tie Plates | Stat | Stat | |
| gles on upper edge | | | | | | | | Deck, Material and thickness | 56 x .56 | 56 x .56 | |
| acing | | | | | | | | Forecastle Deck Stringer Plate, br'dth & th'kns | | | |
| p Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 9 | 3-8 | 28.6 | 9 | 3-8 | 28.6 | 28.6 | Angle on ditto | 3 1/2 x 3 1/2 | 3 1/2 x 3 1/2 | |
| gles on upper edge | | | | | | | | Tie Plates | Stat | Stat | |
| acing | | 54 | | | 54 | | | Deck, Material and thickness | 35 x .36 | 35 x .36 | |
| BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 7 | 3-438 | 18.6 | 7 | 3-438 | 18.6 | 18.6 | | | | |
| " Angles on upper edge | | | | | | | | | | | |
| Spacing | | 27 | | | 27 | | | | | | |
| BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 7 | 3-438 | 18.6 | 7 | 3-438 | 18.6 | 18.6 | | | | |
| " Angles on upper edge | | | | | | | | | | | |
| Spacing | | 27 | | | 27 | | | | | | |

Form No. 1A. WEB FRAMES, In Fore Body, No. and spacing. WEB FRAMES, In E. & B. Space, No. and spacing. WEB FRAMES, In After Body, No. and spacing. BULKHEADS. W.T. BULKHEADS. COLLISION PARTITION. LONGITUDINAL. PLATING. STRAKES. THICKNESS OF SHEET PILE. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES. FORGINGS OR CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. RUDDER-A x D. Table 22. Speed. RUDDER, how constructed. RIVETING. EDGES. BUTTS. UPPER DECK. STRINGER PLATE. SECOND DECK. STRINGER PLATE. FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from. MASTS, SPARS, &c. LOWER MASTS. BOWSPRIT. TOPMASTS, YARDS and Remainder of SPARS. RIGGING, Material and Size, Shrouds. SAILS.

EQUIPMENT No. 36064. LETTER Z. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats. Pumps, Number. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers, and numbers and dimensions of. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. Bulwarks, height above deck and description. The foregoing is a correct description. Builder's Signature. Correspondence. Workmanship. Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? to plate, &c., conform well to each other? from the facing surfaces? Are the butts of plating, Stringers, &c., properly shifted and strapped? Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? General Remarks. Committee's Minute. Character assigned. 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. The amount of Entry Fee. Special Survey Fee. Travelling Expenses, if any. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed. With or without Freeboard, as condition of Class. Fees applied for. Received by me. Certificate to be sent to. Date of Issue. Surveyor to Lloyd's Register of Shipping.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 43.75 ft., R.Q.D. ☒ ft., Bridge 114.75 ft., Forecastle 114.75 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) 2 Decks steel 2 Tiers of Beams
 Official No. 217341; Signal Letters L.P.D.R. State if Machinery is fitted aft No
 How are the surfaces preserved from oxidation? Inside 3 Coats of Paint Outside 3 Coats of Paint

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

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capacity. Tons. |
|---|---------------------------------|--------------------------|--|-------------------|--------------------------|
| Double bottom, aft, | <u>135.0</u> | <u>872.5</u> | Fore peak tank, | <u>22.5</u> | <u>13.5</u> |
| Double bottom, under Engines and Boilers, | <u>45.0</u> | <u>188.0</u> | After peak tank, <u>To upper Deck</u> | <u>16.0</u> | <u>14.0</u> |
| Double bottom, if under Engines only, | | | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | <u>29.25</u> | <u>74.0</u> |
| Double bottom, forward, | <u>175.5</u> | <u>578.4</u> | Other tanks, if fitted, <u>Settling Tank</u> | <u>6.75</u> | <u>8.0</u> |
| | Total capacity of double bottom | <u>1138.9</u> | (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. 58

Date Feb. 15th 1918

No. 11 in builder's yard.

DATES OF SURVEYS held while building

18 July 2nd 3. 31. Aug. 13. 19. 29. Sept. 4. 9. 11. 17. 20. 23. 26. 27. Oct. 3. 5. 10. 14. 16. 18. 19. 22. 24. 25. 28. 31. Nov. 7. 8. 12. 18. 21. Dec. 2. 10. 11.

Surveyor's Signature