





WEB FRAMES. 40LD No. and spacing TWO, AS PER PROFILE. 24 x 46 24 x 46 No. of Side Stringers 3, 24 x 38 3, 24 x 38 WEB FRAMES, In E. & B. Space, No. and spacing FRAMING INCREASED IN THICKNESS IN LIEU OF WEB FRAMES. 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. BULKHEADS. Number, Thickness, STIFFENERS. Single or Double Frames, Height up, state deck. W.T. BULKHEADS 6 6 44-34 34.9 x 34 x 48 30 SINGLE UPPER DECK INCREASED AT ENDS. COLLISION PARTITION LONGITUDINAL. 46-34 34.9 x 34 x 40 24 D D Are the outside Plates doubled two spaces of Frames in length? BRACKETS FITTED. Are the Staircase Valves and Watertight Doors in efficient working order? YES. PLATING. AS IN SHIP. PER RULE OR AS APPROVED. STRAKES. AMIDSHIP. FORWARD. AFT. THICKNESS. BREADTH. THICKNESS. BREADTH. THICKNESS. BREADTH. THICKNESS. EDGES, Ordinary or Joggled? YES. BUTTS. Rivets. STRAPS. IF LAPPED. FLAT PLATE KEEL 44 84 60 60 44 84 2R 6 1 4 4R 3/4 1 4 14 FULL L Workmanship. Are the butts of plating planed or otherwise fitted? PLANED & OVERLAPPED. 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? A VERY FEW. 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 girders 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 & specification (as amended) the Surveyor's letter as above stated, and, in other respects, in conformity with the Rules. The materials & workmanship are good. The vessel has been placed in Dry Dock & the bottom & under keel cleaned, examined & treated. The H.T. bulkheads & shaft tunnel have been base tested with satisfactory results. The vessel is fitted with wireless telegraphy: Marconi system. No cargo battens are fitted in Holds. The steam & auxiliary steering gears & steam windlars have been examined under working conditions with satisfactory results. The amount of Entry Fee £ Special Survey Fee £ 111 1 4 Travelling Expenses, if any £ Fees applied for, 8/10/1918 Received by me, 8/10/1918 Certificate to be sent to WEST H'POOL. Date of issue 25/10/18 State whether the Vessel has been built under Special Survey YES. I am of opinion this Vessel should be Classed 100 A.1. STEEL With, or without Freeboard, as condition of Class WITHOUT. Committee's Minute FRI. OCT. 25, 1918 Character assigned 100 A.1 Cargo batten, not fitted Lloyd's and G.P. + L.M.B. 9.18.

EQUIPMENT No. 20,890 LETTER C ANCHORS. Number of Certificate. Anchors. WEIGHT, EX. STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 31. Description of Anchor. Makers. Where and when tested and Superintendent. 23328 1st Bower 42 2 7 STOCKLESS 37 11 3 14 42 0 0 BYERS' PAT. PER BYERS' PAT. 512/4-9-18 L. HAFNER 23321 2nd 42 1 14 D 37 8 0 14 42 0 0 D 13-9-18 D 23326 3rd 35 2 7 D 32 16 3 14 35 2 0 D " " " 29172 Stream 120 2 0 119 2 0 ORDINARY NOT STATED, CAPT. H. 27-7-18 S.C. PAUL. CHAIN CABLES. HAWERS AND WARPS. 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. 51716 210 17/8 63/4 88 1/2 373-0-23 372-0-9 210 17/8 100 33 100 44 2090 2 1/2 12 1/2 2090 2 1/2 2090 2 1/4 9 1/2 2090 2 1/4 75 4 1/4 35 75 4 1/4 S.W. HEBBURN R. & S. WKS. TOWLINE S.W. 100 44 33 100 44 2090 2 1/2 12 1/2 2090 2 1/4 2090 2 1/4 9 1/2 2090 2 1/4 75 4 1/4 35 75 4 1/4 S.W. HEBBURN R. & S. WKS. Boats TWO LIFEBOATS & TWO OTHERS. Steering Gear, Steam DONKIN & CO. Steering Gear, HAND TACKLE TO WINCHES. Pumps, Number 1, HAND PUMP TO FORE PEAK TOP. Diameter of Barrel. State whether in efficient working order YES. Windlass is CLARKE, CHAPMAN & CO. Capstan. Engine Room Skylights. How constructed? OF STEEL What arrangements for deadlights in bad weather? STEEL FLAPS & BULL'S EYES. Coal Bunker Openings. How constructed? OF STEEL How are lids secured? CLEATS & BATTENS Height above deck? 31'. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. SIX SCUPPERS & SIX WATER PORTS (36 x 18") EACH SIDE. Ceiling in Holds, thickness and material FITTED ONLY AT BILGES. Cargo Battens, thickness and material NOT FITTED. Cargo Hatchways. How formed? OF STEEL Hatches, If strong and efficient? YES SOLID. State size No. 1 Hatch (Forward) 26-0 x 16-0 No. 2 Hatch 26-0 x 17-11 1/2 No. 3 Hatch 25-11 1/2 x 18-0 No. 4 Hatch 26-0 x 18-11 1/2. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch FIVE WEBS TO EACH HATCH. No. of Breasthooks FOUR No. of Crutches TWO & DEEP FLOORS. Bulwarks, height above deck and description PLATE 48" x 25" Main Rail material and size 34.6 x 3 x 40. The foregoing is a correct description FOR WILLIAM GRAY & CO., LIMITED. Surveyor's Signature David M. Auslan. Builder's Signature (here only) A. McAlashan Director. Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) (M & A) FROM 16th JAN 1918 TO 7th OCT 1918. Workmanship. Are the butts of plating planed or otherwise fitted? PLANED & OVERLAPPED. 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? A VERY FEW. 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 girders 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 & specification (as amended) the Surveyor's letter as above stated, and, in other respects, in conformity with the Rules. The materials & workmanship are good. The vessel has been placed in Dry Dock & the bottom & under keel cleaned, examined & treated. The H.T. bulkheads & shaft tunnel have been base tested with satisfactory results. The vessel is fitted with wireless telegraphy: Marconi system. No cargo battens are fitted in Holds. The steam & auxiliary steering gears & steam windlars have been examined under working conditions with satisfactory results. The amount of Entry Fee £ Special Survey Fee £ 111 1 4 Travelling Expenses, if any £ Fees applied for, 8/10/1918 Received by me, 8/10/1918 Certificate to be sent to WEST H'POOL. Date of issue 25/10/18 State whether the Vessel has been built under Special Survey YES. I am of opinion this Vessel should be Classed 100 A.1. STEEL With, or without Freeboard, as condition of Class WITHOUT. Committee's Minute FRI. OCT. 25, 1918 Character assigned 100 A.1 Cargo batten, not fitted Lloyd's and G.P. + L.M.B. 9.18.



GENERAL REMARKS—(continued).

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 32.6 ft., R.Q.D. ☒ ft., Bridge 81.0 ft., Forecastle 32.3 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 as it should appear in the Register Book) ONE DECK (STEEL)  
Official No. 142658; Signal Letters ✓. State if Machinery is fitted aft NO.  
How are the surfaces preserved from oxidation? Inside PART CEMENT + PAINT. Outside 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>98.</u>	<u>204</u>	Fore peak tank,	<u>✓</u>	<u>70</u>
Double bottom, under Engines and Boilers,	<u>38.</u>	<u>121</u>	After peak tank,	<u>✓</u>	<u>60</u>
Double bottom, if under Engines only,	<u>✓</u>	<u>✓</u>	Deep tank, aft,	<u>✓</u>	<u>✓</u>
Double bottom, if under Boilers only,	<u>✓</u>	<u>✓</u>	Deep tank, forward,	<u>✓</u>	<u>✓</u>
Double bottom, forward,	<u>124</u>	<u>322</u>	Other tanks, if fitted,	<u>✓</u>	<u>✓</u>
Total capacity of double bottom		<u>647</u>	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks 260

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

Order for Special Survey No. 2248

Date 13<sup>th</sup> June 1918

No. 908 in builder's yard.

DATES of Surveys held while building

1918. Mar 24. 25. Apr 2. 4. 8. 10. 12. 15. 17. 19. 22. 26. 30. May 2. 7. 9. 15. 21. 24. 27. 30. June 4. 6. 10. 12. 14. 17. 19. 21. 24. 25. 27. July 1. 3. 5. 9. 11. 15. 17. 19. 22. 24. 26. 30. Aug 1. 12. 13. 14. 22. 29. Sep 4. 6. 9. 11. 13. 17. 19. 20. 23. 25. 27.

Surveyor's Signature

David M. Anslan

Total No. of Visits 61

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