





WEB FRAMES.
WEB-FRAMES, In Fore Body, No. and spacing
WEB-FRAMES, In E. & B. Space, No. & spacing
WEB-FRAMES, In After Body, No. and spacing
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.
RUDDER-A x B Table 22, Speed
Main-Piece, diameter at head
at heel
RUDDER, how constructed
FORGED SCRAP IRON, ARMS SHRUNK ON + KEYS.
Thickens of Plates or Single Plate
Can the Rudder be unshipped afloat?
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.?
THE GLASGOW IRON & STEEL CO. LD.
THE STEEL CO. OF SCOTLAND LD.
HASPER EISEN UND STAHLWERKE, DÜSSELDORF (SHELL)
Are the outside Plates doubled two spaces of Frames in length?
Are the Sluice Valves and Watertight Doors in efficient working order?
PLATING.
STRAKES.
AS IN SHIP.
PER RULE OR AS APPROVED.
EDGES, Ordinary or Joggled?
RIVETING.
ORDINARY.
BUTTS.
RIVETING FRAMES TO SHELL IN FLAT OF BOTTOM, FORWARD OF 3/4 L.
AND IN WAY OF FORE AND AFTER PEAKS = 3/4 AND 7/8 DIAM. RIVETS, AND 42" AND 48" APART.
QUARTER DECK SHEER, J. INCREASED TO .78 FOR 20'0" AT AFTER END OF BRIDGE.
BRIDGE SIDE PLATING J. + K.
SHEERSTRAKE DOUBLED FOR 20'0" IN WAY OF BRIDGE.
Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.
Butts, TREBLE riveted for DOUBLE RIVETED AT ENDS.
Inner Bottom Plating, riveting of Edges
Centre Strake Edges, DOUBLE IN B.S. BUTTS DOUBLE.
Centre Girder Butts, TREBLE riveted.
Frames, riveted through Plates with 7/8 in. Rivets, about 6 1/2" apart.
Rivets, state whether Iron or Steel IRON.
MASTS, SPARS, &c.
Masts, Yards and Remainder of Spars
Shrouds 3 OFF EACH SIDE ON EACH MAST. 3 GALVANIZED STEEL WIRE.
Stays FORE + MAIN 3/2. TOPMAST 2 1/2. BACKSTAYS 2 G.S.W.
Sails, and the following spare sails.



EQUIPMENT No. 12560-97. LETTER O. ANCHORS. TONNAGE U DK OR PLATING No. FOR TRAWLERS. Table with columns: 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.

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

CHAIN CABLES. Table with columns: 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. HAWSERS AND WARPS. Table with columns: Material, Length and size supplied, Breaking Test of Steel Wire Towing, Length and size per Table 31.

Boats 2 LIFEBOATS AND 1 DINGHY. Steering Gear, Steam HASTIE 6x6. Steering Gear, Hand DONKIN 4 1/2. Pumps, Number ONE 3 DOWNTON PUMP + ONE 3 HAND PUMP. Diameter of Barrel 5x3. Windlass is COMBINED STEAM + HAND BY CLARKE CHAPMAN. Engine Room Skylights. How constructed? STEEL PLATES + ANGLES. C.I. FLAPS. Coal Bunker Openings. How constructed? STEEL PLATES + ANGLES. How are lids secured? CLEATS + BATTENS. Height above deck? 7'0" x 8'0". Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 9. 9. 0. 9. 9. 0. 9. 9. 0. 9. 9. 0. Ceiling in Holds, thickness and material PLATE FITTED 18x28 ON FACE OF TANK SIDE BRACKETS IN LIEU OF CEILING AS PER SECTION. Cargo Battsens, thickness and material NONE FITTED. Cargo Hatchways. How formed? STEEL PLATES AND ANGLES. State size No. 1 Hatch (Forward) 22'3" x 19'2" x 22'10" Aft. No. 2 Hatch 28'10" x 29'0". Hatches, If strong and efficient? YES. 22' WHITE WOOD. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 4 to Nos 1, 3, 4. 5 to No 2. No. 3 Hatch 22'3" x 23'0". No. 4 Hatch 21'3" x 22'10" x 19'8" Aft. Bulwarks, height above deck and description MAIN DECK 3'6". R. DECK 3'0". No. of Breasthooks TWO. No. of Crutches DEEP FLOORS. The foregoing is a correct description. JOHN LEWIS & SONS Ltd. Builder's Signature (here only) C. W. Wilson. Surveyor's Signature T. Richardson. Surveyor to Lloyd's Register of Shipping.

Correspondence. State dates and initials of letters respecting this case. 10. 11. 20. E. 15. 11. 20. E. 24. 11. 20. M. 16. 12. 24. Workmanship. Are the butts of plating planed or otherwise fitted? PLANED. Is the riveted work properly closed? YES. Are the liners between the frames and plates solid single pieces? FRAMES JOGGLED. 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. 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 under Special Survey, and in accordance with the Secretary's letters, the Rules and approved plans, for the intended class "100. A.1." The materials and workmanship are good. The following approved plans, are forwarded herewith:- Midship Section. Profile. Deck plans. Stern frame and rudder. Fore end stiffening. Pumping arrangement. Masts, together with reports on Screw frame and rudder. Sheathing on steel deck in way of crew space aft is of "Insulite". The S.S. "Boothorne" Abn. Report No. 13296. is a sister ship.

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 £ 5 : 0 : 0. Fees applied for, JUNE 26 1924. The amount of Entry Fee £ 5 : 0 : 0. Special Survey Fee £ 144 : 12 : 0. Received by me, Had 4 inch Certificate to be sent to Aberdeen. Date of issue 14/7/24. Travelling Expenses, if any £ : : State whether the Vessel has been built under Special Survey YES. I am of opinion this Vessel should be Classed 100. A.1. (CARGO BATTENS NOT FITTED). With, or without Freeboard, as condition of Class WITHOUT. T. Richardson. Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 1 JUL 1924. Character assigned + 100A. Write Abn (M). Large battens not fitted. Lloyd's A&CP + dmsl 6, 34. Jph.



## GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop **15.81** ft., R.Q.D. **67.08** ft., Bridge **57.58** ft., Forecastle **72.6** ft. (in feet and tenths). When the Poop is joined to the R.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) **ONE DECK (STEEL)**

Official No. **148273**; Signal Letters \_\_\_\_\_ State if Machinery is fitted aft **NO**.

How are the surfaces preserved from oxidation? Inside **PORTLAND 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,	<b>55.58</b>	<b>95</b>	Fore peak tank,	<b>12.12</b>	<b>40</b>
Double bottom, under Engines and Boilers,			After peak tank,	<b>13.42</b>	<b>36</b>
Double bottom, if under Engines only,	<b>17.25</b>	<b>42</b>	Deep tank, aft,		
Double bottom, if under Boilers only,	<b>17.25</b>	<b>41</b>	Deep tank, forward,		
Double bottom, forward,	<b>101.30</b>	<b>283</b>	Other tanks, if fitted,		
Total capacity of double bottom			(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. **1677**

Date **15. 11. 20.**

No. **93** in builder's yard.

Dates of Surveys held while building

**1923. APR. 13. 19. 26. MAY. 3. 10. 21. 28. JUNE 5. 19. 22. 29. JULY 5. 28. AUG. 21. SEP. 18. 28. OCT. 20. 30. NOV. 6. 21. 26. 28. DEC. 14. 20. 29. 1924. JAN. 7. 9. 10. 18. 21. 28. 29. FEB. 6. 20. 26. MAR. 8. 14. 19. 21. 22. 25. 27. 31. APR. 3. 4. 7. 9. 15. 16. 21. 22. 26. 30. MAY. 7. 16. 23. 27. JUNE 18.**

Surveyor's Signature

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Foundation