

~~Awning or Shelter Deck,~~

STEEL STEAMER.

WED. FEB. 11. 1920 No. 39597.

~~or Pt. Awning Deck.~~

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

Port of Glasgow Date of completion of Report 5th Feb 1920 Received at London Office
 Survey held at Glasgow Date, First Survey 5th Feb 1920 Last Survey 5th Feb 1920
 On the (State if Single, Twin, or Triple Screw) Steel Twin Screw Steamer "OTAKI" Rig Schooner
 TONNAGE under (1) 5777.21 CLASS D 100A1 WITH FREEDOMED
 Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. 1825.39 Breadth (greatest moulded) 58.0
 Total under Upper Dk. 7602.60 Depth, at middle of length from top of keel to top of 40.0
 Do. of Poop 68.17 Beams at side of uppermost Continuous Deck 38.0
 Do. of R. Qr. Dk. 21.78 Deduct height of 'tween deck when this does not exceed 8ft. 8.0
 Do. of Bridge House 234.93 Transverse Number 30.0
 Do. of Forecastle 36.47 Length on deck from fore part of stem to after part of 450.0
 Do. of Houses on Deck 7963.95 sternpost 40500
 Do. of excess of Hatchways 324.64 Longitudinal Number 19.4
 Do. above Crown of Engine Room 7639.31 Depth "d" at middle of length. See Secs. 2 & 13 11.25
 Gross Tonnage 2548.46 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 11.25
 Less Crew Space 105.58 " " " Upper Deck at side to top of keel 11.25
 Tonnage for Fees... 4985.17 Destined Voyage New Zealand If Surveyed while Building, Afloat, & in Dry Dock Yes
 Less Engine Room 4985.17 Master GORDON
 Less Navigation Spaces 4985.17 Year of Appointment 1920
 Built at Glasgow When built 1920 Launched 22nd Oct 1919
 By whom built Barclay Curle & Co. Ltd
 Owners Federal S & C Co. Ltd
 Managers London
 Residence Plymouth
 Port belonging to Plymouth

STER Tonnage out on Beam... 4985.17
 LENGTH on Ft. Ins. BREADTH Ft. Ins. DEPTH, ACTUAL—Top of Floors to top of Awning or Shelter Dk. Beams
 as per Rule 450 0 Moulded 58 0 Do. Upper Deck Beams 23 1 1/2
 Dimensions of Ship per Register, Length 449.1 breadth 58.25 depth 29.15 Upper Deck. Moulded depth, ft. 40 ins. 0 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12 ins.

| FRAMING. | | | | | | PILLARS. | | | | | | |
|---|--------------------|--------------------|--------------------|-----------------------------|---------------------------------|----------|---|--------------------------------|-------------------------------|-----------------------------------|--------------------------------|-----------------------------------|
| | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches per Rule Or as | Inches per Rule Approved. | | Inches. Size in Ship. | Inches. Spacing in Ship. | Inches. per Rule. Or as | Inches. per Rule. Approved. | | |
| NAME, Angles, or E or L Bars, amidships | 9 | 3 1/2 | 46 | 9 | 3 1/2 | 46 | PILLARS, In 'tween Deck, size and spacing | | | | 2 Rows of under spaced pillars | |
| in peaks . L | 8 | 3 | 40 | 8 | 3 | 40 | " " Hold | | | | cl girders as per plan. | |
| Way of Double Bottoms at Solid Floors .. | 3 1/2 | 3 1/2 | 44 | 3 1/2 | 3 1/2 | 44 | " Quarter, 'tween Dks., " " | | | | | |
| " " at intermdt. Plts | | | | | | | " in Hold " " | | | | | |
| Frames from centre to centre amidships | | 36 | | | 36 | | KEELSONS AND STRINGERS. | | | | | |
| " " from 3/4 | 27 | 24 | | 27 | 24 | | CENTRE LINE KEELSON, Vertical Plate above | | | | | |
| length to collision bulkhead | | 24 | | | 24 | | floors, Through Plate, or Intercostal Plate | | | | | |
| Frames from centre to centre in peaks .. | | | | | | | Rider Plate | | | | | |
| RED FRAME, Angles..... | 6 | 3 1/2 | 46 | 6 | 3 1/2 | 46 | " Flat Keel Plate Angles | | | | | |
| Way of Double bottoms at Solid Floors... | 3 1/2 | 3 1/2 | 44 | 3 1/2 | 3 1/2 | 44 | " Horizontal Plates on Floors | | | | | |
| " " at intermdt. Plts | | | | | | | " Angles or Bulb Angles..... | | | | | |
| depth of girder | | 10 | | | 10 | | SIDE KEELSONS, Number | | | | | |
| RS, depth and thickness of Floor Plate | | | | | | | " Angles or Bulb Angles | | | | | |
| Mid-line for 3/4 length amidships | | | | | | | " Plate above floors, for length | | | | | |
| Way of Engine and Boiler spaces | | | | | | | " Intercostal Plate, for length | | | | | |
| thickness at the ends of vessel | | | | | | | " Attached to outside plating with Angle.... | | | | | |
| depth at 1/2 the half-bdth. as per Rule .. | | | | | | | BILGE KEELSON, Angles..... | | | | | |
| height extended at the Bilges | | | | | | | " Intercostal Plate, for length | | | | | |
| in Cell Double Bottoms | | | 40 | | 40 | | " Attached to outside plating with Angle .. | | | | | |
| state if flanged (top and bottom)..... | | No | | | No | | SIDE STRINGERS, Number | | | | | |
| spacing of Solid..... | 36 | 27 | 24 | 36 | 27 | 24 | " " Angle | | | | | |
| RED STRIDER, in Dbl. bottom, dpth. & thickness | 46 | | 60 | 46 | | 60 | " " Intercostal Plate, for lng. | | | | | |
| " Angles, Top Dble. | 3 1/2 | 3 1/2 | 54 | 3 1/2 | 3 1/2 | 54 | " Attached to outside plating with Angle | | | | | |
| " " Bottom..... | 5 | 5 | 60 | 5 | 5 | 60 | | | | | | |
| " " to Floors | 6 | 6 | 52 | 6 | 6 | 52 | | | | | | |
| Brackets at intermdt. frmg. width & thickness | | | | | | | Awning or Shelter Deck Stringer Plates,) | | | | | |
| GIRDELS, number and thickness..... | Two | 40 | | Two | 40 | | breadth and thickness | | | | | 66 .60 66 .60 |
| ANGLE state if flanged (top & bottom) | 3 1/2 | 3 1/2 | 44 | 3 1/2 | 3 1/2 | 44 | " Angle on ditto | | | | | 6 x 6 .66 6 x 6 .66 |
| Angles VERTICAL | 3 | 3 | 40 | 3 | 3 | 40 | " Tie Plates, fore and aft, outside Hatchways | | | | | |
| PLATE, depth (exclusive of flange)) | 66 | | 52 | 66 | | 52 | " Deck * Iron or Steel, for full lng. | | | | | 60 x 40 60 x 40 |
| and thickness | | | | | | | " Wood Deck. Material & thickness | | | | | |
| Angles to outside plating | 4 | 4 | 52 | 4 | 4 | 52 | Upper Deck Stringer Plate, breadth and) | | | | | 66 x 54 66 x 54 |
| to floor BRACKETS | 6 | 6 | 54 | 6 | 6 | 54 | thickness..... | | | | | 3 1/2 x 3 1/2 48 3 1/2 x 3 1/2 48 |
| Brackets at intermdt. frmg. width & thickness | | | | | | | " Angles on ditto, No. 2 | | | | | 44 x 38 44 x 38 |
| Height of Brackets above at bilge | 3.6 | | | 3.6 | | | " Tie Plates, outside Hatchways | | | | | |
| NER BOTTOM PLATING, breadth and) | 66 | | 52 | 66 | | 52 | " Deck * Iron or Steel, for full lng. | | | | | 44 x 38 44 x 38 |
| thickness of Middle Line Strake.... | | | | | | | " Wood Deck. Material & thickness | | | | | |
| " " thickness in Engine and Boiler space | E. 52.13 | 68 | E. 52.13 | 68 | | | Second Deck Stringer Plates, br'dth & thckn's | | | | | 66 .42 66 .42 |
| " " Remainder in Holds | | | 52 | | 52 | | Angles on ditto, No. 2 | | | | | 3 1/2 x 3 1/2 48 3 1/2 x 3 1/2 48 |
| BEAMS, Awning or Shlir Dk, Single Angle,) | 9 | 3 1/2 | 50 | 9 | 3 1/2 | 50 | " Tie Plates, outside Hatchways | | | | | |
| Bulb Angle, Plate, Tee Bulb or Channel) | | | | | | | " Deck * Material and thickness Steel | | | | | 42 x 32 42 x 32 |
| Spacing | | 36 | | | 36 | | Third, Fourth & Fifth Deck Stringer Plate,) | | | | | |
| BEAMS, Upper Deck, Single Angle, Bulb Angle,) | 9 | 3 1/2 | 50 | 9 | 3 1/2 | 50 | breadth and thickness) | | | | | |
| Plate, Tee Bulb or Channel | | | | | | | Angles on ditto, No. | | | | | |
| Spacing | | 36 | | | 36 | | " Tie Plates, outside Hatchways | | | | | |
| BEAMS, Second, Third & Fourth Deck, Single) | 10 | 3 1/2 | 48 | 10 | 3 1/2 | 48 | " Deck, Material and thickness | | | | | |
| Angle, Bulb Angle, Plate, Tee Bulb or Channel) | | | | | | | Poop Deck Stringer Plate, breadth & thickness | | | | | 36 .40 36 .40 |
| Angles on upper edge | | | | | | | Angles on ditto | | | | | 3 1/2 x 3 1/2 40 3 1/2 x 3 1/2 40 |
| Spacing | | 36 | | | 36 | | " Tie Plates | | | | | 30 30 |
| BEAMS, Poop Deck, Angle, Bulb Angle, Plate,) | 7 | 3 | 50 | 7 | 3 | 50 | " Deck, Material and thickness | | | | | 5 x 2 1/2 OP 5 x 2 1/2 OP |
| Tee Bulb or Channel | | | | | | | Bridge Deck Stringer Plate, br'dth & thickness | | | | | |
| Angles on upper edge | | | | | | | Angle on ditto | | | | | |
| Spacing | | 24 | | | 24 | | " Tie Plates | | | | | |
| BEAMS, Bridge Deck, Angle, Bulb Angle, Plate,) | | | | | | | " Deck, Material and thickness | | | | | |
| Tee Bulb or Channel | | | | | | | Forecastle Deck Stringer Plate, br'dth & th'kns | | | | | 36 .40 36 .40 |
| Angles on upper edge | | | | | | | Angle on ditto | | | | | 3 1/2 x 3 1/2 40 3 1/2 x 3 1/2 40 |
| Spacing | | | | | | | " Tie Plates | | | | | 30 30 |
| BEAMS, Forecastle Deck, Angle, Bulb Angle,) | 8 | 3 | 50 | 8 | 3 | 50 | " Deck, Material and thickness | | | | | 5 x 2 1/2 OP 5 x 2 1/2 OP |
| Plate, Tee Bulb or Channel | | | | | | | | | | | | |
| Angles on upper edge | | | | | | | | | | | | |
| Spacing | | 24 | | | 24 | | | | | | | |

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 43 (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 should appear in the Register Book) 2 Decks (steel) & Shelter Deck (steel)
Official No. ; Signal Letters State if Machinery is fitted aft No
How are the surfaces preserved from oxidation? Inside Paint & cement Outside Paint

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

| Where Fitted. | Length. Feet. | Water Capacity. Tons. | Where Fitted. | Length. Feet. | Water Capacity. Tons. |
|--|------------------|--------------------------|--|------------------|--------------------------|
| Double bottom, aft, | 141 | 420 | Fore peak tank, | | 12 |
| Double bottom, under Engines and Boilers, | | | After peak tank, | | 8 |
| Double bottom, if under Engines only, | 24 | 135 | Deep tank, aft, | | |
| Double bottom, if under Boilers only, Dry Tank | 33 | 485 | Deep tank, forward, | | |
| Double bottom, forward, | 188 | 720 | Other tanks, if fitted, Fresh water | 9 | 5 |
| Total capacity of double bottom | | 1275 | (If necessary, furnish further information by sketch.) | | |

* The wells are not to be included in the lengths of the tanks. 386 State whether the above have been tested as required by the Rules Yes

Order for Special Survey No. 5199
Date 20. 9. 18.
No. 576 in builder's yard.
DATES of Surveys held while building
1918 July 25. 27. Oct 2. 16. 21. 25. Nov 4. 6. 19. 27. 28. Dec 11. 18. 1919 Jan 9. 14. 17. Feb 4. 12. 16. 20. Mar 12. 17. 31. Apr 7. 22. 28. May 5. 15. 19. 22. 29. June 3. 3. 6. 16. 24. 26. July 8. 10. 15. Aug 28. Sept 1. 2. 4. 8. 11. 15. 22. 30. Oct 1. 6. 7. 11. 14. 17. 20. 22. Nov 11. 12. Dec 3. 29. 1920 Jan 14. 29. Feb 2.

Total No. of Visits 68

Surveyor's Signature

Henry Gibbs