

Steel IRON SHIP. 25202

No. 5000 Survey held at Dunbarton Date, First Survey 10<sup>th</sup> April Last Survey 16<sup>th</sup> Dec  
On the Screw Steamer 'Te Anau' Master Michael Carey  
TONNAGE under 1527.00 ONE, OR TWO DECKED, THREE DECKED VESSEL.  
Built at Dunbarton  
When built 1879 Launched 3<sup>rd</sup> Jan  
By whom built Wm Denny & Bros  
Owners Union S.S. Co of New Zealand  
Port belonging to Dunedin  
Destined Voyage Dun. Australia & New Z  
Surveyed while Building, Afloat, or in Dry Dock.

LENGTH on deck as per Rule 260.5 Breadth Moulded... 34 DEPTH top of Floors to Upper Deck Beams 22.75 Power of Engines 200 No. of Decks with flat laid 2 complete  
Dimensions of Ship per Register, length 270 breadth 34 depth 22.5

KEEL, depth and thickness... 9 x 2 1/2 STEEL  
STEM, moulding and thickness... 9 1/2 x 5 3/4 IRON  
STERN-POST for Rudder do. do. 9 1/2 x 5 1/2 IRON  
Distance of Frames from moulding edge to moulding edge, all fore and aft... 24  
FRAMES, Angle Iron, for 3/4 length amidships... 5 Do. for 1/2 at each end... 5  
REVERSED FRAMES, Angle Iron... 3  
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships... 7 thickness at the ends of vessel... 3 depth at 3/4 the half-bdth. as per Rule... 1 1/2 height extended at the Bilges... 1 1/2  
BEAMS, Upper, Spar, or Awaiting Deck Single or double Angle Iron, Plate or Tee Bulb Iron... 7 Average space... 40  
BEAMS, Main, or Middle Deck Single or double Angle Iron, Plate or Tee Bulb Iron... 7 Average space... 40  
BEAMS, Lower Deck, Plate or Tee Bulb Iron... 7 Average space... 40  
KEELSONS Centre line, single or double plate, box, or intercostal, plates... 39 Rider Plate... 36 Bulb Plate to Intercostal Keelson... 3 1/2 Angle Irons... 3 1/2 Double Angle Iron Side Keelson... 3 1/2 Side Intercostal Plates... 3 1/2 Attached to outside plating with angle iron... 3 1/2  
BILGE Angle Iron... 3 1/2 do. Bulb Iron... 3 1/2 do. Intercostal plates riveted to plating... 3 1/2  
BILGE STRINGER Angle Iron... 3 1/2 Intercostal plates riveted to plating for forward portion of length... 3 1/2  
SIDE STRINGER Angle Iron... 3 1/2  
Transoms, material. Knight-heads. Hawse Timbers. Steel  
Windlass Steam Patent Pall Bitt —

The FRAMES extend in one length from bilge to bilge and to deck stringer Riveted through plates with 1 1/2 in. Rivets, about 6 apart.  
The REVERSED ANGLE IRONS on floors and frames extend from middle line to margin plate and to upper deck alternately  
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes  
PLATING. Garboard, double riveted to Keel, with rivets 1 in. diameter, averaging 4 ins. from centre to centre.  
Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/4 in. diameter, averaging 3 ins. from centre to centre.  
Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 3/4 in. diameter averaging 3 ins. from centre to centre.  
Butts of 3 Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 1 1/2 thicker than the plates they connect.  
Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 3 ins. from cr. to cr.  
Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 ins. from cr. to cr.  
Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.  
Butts of Main Sheerstrake, treble riveted for 1/2 length amidships. Butts of Upper or Spar Sheerstrake, treble riveted 1/2 length amidships.  
Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length.  
Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Double treble  
Waterway, how secured to Beams Gutter Waterways (Explain by Sketch, if necessary.)  
Beams of the various Decks, how secured to the sides? faced bracket knees No. of Breasthooks, 4 Crutches, 4  
What description of Steel is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Steel Co of Scotland  
Manufacturer's name or trade mark, Steel Co of Scotland, Halliday Some beams rolled at Dunbarton near that brand  
The above is a correct description.  
Builder's Signature, Wm Denny & Bros Surveyor's Signature, —  
Surveyor to Lloyd's Register of British and Foreign Shipping

IRON 489-0287



mananship. Are the butts of plating planed or otherwise fitted? *Planed*

the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *Yes*

fillings between the ribs and plates solid single pieces? *Yes*

holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes*

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? *Very few. These at corners of butts*

25 242 *Iron*

Masts, Bowsprit, Yards, &c., are *now* in *good* condition, and sufficient in size and length. If of Iron or Steel give Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit

*Foremast 80' 3" x 24 1/2 x 6 1/2 Steel 3 plates in section. Butts triple riveted edges double riveted*  
*Mainmast 75' 9" x 23 x 5 1/4 and as approved per Secretaries letter dated 25.2.79. for the*  
*S.S. 'Rotomahana' Glasgow report No 4911.*

NUMBER for EQUIPMENT *24536*

N<sup>o</sup>. SAILS.  
*me* Fore Sails,  
*and* Fore Top Sails,  
*on* Fore Topmast  
*half* Stay Sails  
*only* Main Sails,  
*and* Main Top Sails,  
*and*

CABLES, &c.  
*Chain*  
*Certified*  
*by*  
*D. J. Lewis*  
*Strm Cbl*  
*Hawser*  
*Towlines*  
*Warp*  
*quality good*

Fathoms. Inches. Test per Certificate.  
*30. 1 1/16. 82.15.0*  
*105. LPHN No 4913. 59.2.2*  
*135. LPHN No 4976. 19.9.79*  
*270. LPHN No 4907. "*  
*75. 1 1/16. 54.11.0*  
*90. LPHN No 4959. 13.0.79*  
*11. 1 1/16. 54.11.0*  
*2 (8)*

Length & Size req'd per Rule.  
*270 1 1/16*  
*75 1 1/16*  
*90 1 1/16*  
*11*  
*2*

Test req'd per Rule.  
*82 1/2*  
*59 1/2*  
*34 1/2*  
*22 1/4*

Riggers

ANCHORS.

N<sup>o</sup>.

Weight.

Ex. Stock.

Test per Certificate

W'ght req'd per Rule.

Test req'd per Rule.

State Machine where Tested, Date, & name of Surveyor.

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