

# IRON SHIP.

No. 1079 Survey held at Dunderrland Date, First Survey September 17<sup>th</sup> 1873 Last Survey February 21<sup>st</sup> 1874  
 On the Ship "Waikato" Yard Number 31 Master Hodder  
 Tonnage under Deck 891.69 ONE OR TWO DECKED, THREE DECKED VESSEL.  
 Ditto of Third, Spar, or Awning Deck. 106.04 SPAR, OR AWNING-DECKED VESSEL.  
 Ditto of Poop, or Raised Qr. Dk. 16.98 HALF BREADTH (moulded) 16.95  
 Ditto of Houses on Deck 38.61 DEPTH from upper part of Keel to top of Upper Deck Beams 21.30  
 Ditto of Forecastle 1053.32 GIRTH of Half Midship Frame (as per Rule) 32.66  
 Gross Tonnage 1053.32 1st NUMBER 70.91  
 Less Crew Space 32.79 1st NUMBER, if a THREE-DECKED VESSEL deduct 7 feet 198.75  
 Less Engine Room 1020.53 LENGTH 198.75  
 Register Tonnage as cut on Beam 1020.53 2nd NUMBER 14098  
 PROPORTIONS—Breadths to Length 5  
 Depths to Length—Upper Deck to Keel 9  
 Main Deck ditto —  
 Built at Dunderrland  
 When built 1873 & 4 Launched 19 Jan 74  
 By whom built Messrs Blunell & Co  
 Owners New Zealand Shipping Co  
 Port belonging to London  
 Destined Voyage New Zealand  
 If Surveyed while Building, Afloat, or in Dry Dock.

Official Number 685192

LENGTH on deck as per Rule	Feet. Inches.	BREADTH—Moulded	Feet. Inches.	DEPTH top of Floors to Upper Deck Beams Do. do. Main Deck Beams	Feet. Inches.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
<u>198</u>	<u>75</u>	<u>83</u>	<u>10</u>	<u>19</u>	<u>3</u>			<u>Two</u>	<u>Two</u>

Dimensions of Ship per Register, length, 210.5 breadth, 34.1 depth, 19.2

	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	<u>8 x 2 1/2</u>	<u>8 x 2 3/8</u>						
STEM, moulding and thickness	<u>7 1/4 x 2 3/8</u>	<u>7 1/4 x 2 3/8</u>						
STERN-POST for Rudder do. do. for Propeller	<u>7 1/4 x 2 3/8</u>	<u>7 1/4 x 2 3/8</u>						
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>23 ins</u>	<u>23 ins</u>						
FRAMES, Angle Iron, for 1/2 length amidships Do. for 1/2 at each end	<u>4 1/2 x 3</u>	<u>4 1/2 x 3</u>	<u>4 1/2 x 3</u>	<u>4 1/2 x 3</u>	<u>4 1/2 x 3</u>	<u>4 1/2 x 3</u>	<u>4 1/2 x 3</u>	<u>4 1/2 x 3</u>
REVERSED FRAMES, Angle Iron	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships thickness at the ends of vessel depth at 1/2 the half-bdth. as per Rule height extended at the Bilges	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>
BEAMS, Upper, Spar, or Awning Deck Single or double Angle Iron, Plate or Tee Bulb Iron Single or double Angle Iron on Upper edge Average space	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
BEAMS, Main or Middle Deck Single or double Angle Iron, Plate or Tee Bulb Iron Single, or double Angle Iron, on Upper Edge Average space	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
BEAMS, Lower Deck, Hold or Orlop Single or double Angle Iron, Plate or Tee Bulb Iron Single or double Angle Iron on Upper Edge Average space	<u>3 1/2</u>	<u>3 1/2</u>	<u>3 1/2</u>	<u>3 1/2</u>	<u>3 1/2</u>	<u>3 1/2</u>	<u>3 1/2</u>	<u>3 1/2</u>
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates Rider Plate Bulb Plate to Intercoastal Keelson Angle Irons Double Angle Iron Side Keelson Side Intercoastal Plate do. Angle Irons Attached to outside plating with angle iron	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>
BILGE Angle Irons do. Bulb Iron do. Intercoastal plates riveted to plating for length	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>
BILGE STRINGER Angle Irons Intercoastal plates riveted to plating for length	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>
SIDE STRINGER Angle Irons	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>
Transoms, material. Knight-heads. Hawse Timbers.	<u>Iron</u>							
Windlass Immerson & McKee's Pall Bitt	<u>Iron</u>							
The FRAMES extend in one length from Keel to Gunwale Riveted through plates with 3/4 in. Rivets, about 6 apart.								
The REVERSED ANGLE IRONS on floors and frames extend near middle line to Lower deck stringer angles and to Gunwale 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 5 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 1/2 ins. from centre to centre.								
Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 3/4 in. diameter averaging 3 1/2 ins. from centre to centre.								
Butts of 2 Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 1/16 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 1/2 ins. from cr. to cr.								
Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 1/2 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 length amidships.								
Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.								
Breadth of laps of plating in double riveting 4 3/4 Breadth of laps of plating in single riveting Nil								
Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? double & treble throughout								
Waterway, how secured to Beams Gutter gunwale (Explain by Sketch, if necessary.)								
Beams of the various Decks, how secured to the sides? Turned down ends and No. of Breasthooks, 5 Crutches, 4 & 1 transom								
What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Angles in 1/2 inch & 3/4 inch								
Manufacturer's name or trade mark. Plates by Polchow Vaughan & Co								

The above is a correct description

Builder's Signature, John Munn

Surveyor's Signature, James Gibson



State also Length and Diameter of Lower Masts and Bowsprit please see sketch attached

She clipped the above  
100 A1 as a comment  
Two decks 1874  
26/1