

# IRON SHIPS. 9158

No. 3354 Survey held at Dunbarton Date, First Survey 20<sup>th</sup> Sept 70 Last Survey 1<sup>st</sup> June 1871

On the Scots Thames Master Jr James

Tonnage under Tonnage Deck } <u>167.26</u>	ONE OR TWO DECKED, <u>THREE DECKED VESSELS.</u>	Half Moulded Breadth... <u>16.75</u>	Built at <u>Dunbarton</u>
Ditto of Spar Decks } <u>35.87</u>	Half moulded breadth... <u>16.75</u>	Total Depth of three Decks... <u>23.75</u>	When built <u>1870</u> Launched <u>22<sup>nd</sup> March</u>
Ditto of Poop, or Raised Or. Dk. } <u>1687.13</u>	Depth from upper part of Keel to top of Upper Deck Beams... <u>10.75</u>	Total Girth of Half Midship Frame... <u>30.50</u>	By whom built <u>A McMillan &amp; Son</u>
Ditto of Houses on Deck... } <u>90.25</u>	Girth of Half Midship Frame (as per Rule)... <u>30.50</u>	3rd Number... <u>81.25</u>	Owners <u>Temperley &amp; Co</u>
Ditto of Forecabin } <u>1651.26</u>	1st Number... <u>64.0</u>	Length... <u>271.66</u>	Port belonging to <u>London</u>
Space, or per Rule } <u>539.88</u>	Length... <u>271.66</u>	4th Number... <u>22.071</u>	Destined Voyage <u>Clas. London</u>
Register Tonnage for Fees } <u>1057</u>	2nd Number... <u>10.201</u>	Breadths to Length under 9	Surveyed while Building, Afloat, or in Dry Dock.

Dimensions of Ship per Register, length 271.66 breadth 33.6 depth 24.35

Feet. Inches. Moulded Breadth 33.6 Depths from top of Floors to Upper and Main Deck Beams, as per Rule 23.9 Power of Engines 180 N<sup>o</sup>. of Decks 3 N<sup>o</sup>. of Tiers of Beams 3

	Inches in Ship	Inches required per Rule	Inches in Ship	Inches required per Rule	Inches in Ship	Inches required per Rule	16ths required per Rule	16ths required per Rule
Keel, if bar iron, depth and thickness	<u>9 1/2 x 2 1/2</u>	<u>9 1/2 x 2 1/2</u>						
Do. if centre through plate, depth and thickness	<u>8 1/2 x 2 1/2</u>	<u>8 1/2 x 2 1/2</u>						
Keelson, if bar iron, moulding and thickness	<u>10 x 4 1/2</u>	<u>10 x 4 1/2</u>						
Keelson-post for Rudder do. do.	<u>10 x 4 1/2</u>	<u>10 x 4 1/2</u>						
Keelson-post for Propeller do. do.	<u>10 x 4 1/2</u>	<u>10 x 4 1/2</u>						
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>24 24</u>	<u>24 24</u>						
Frames, size of Angle Iron, for 1/3 length amidships	<u>4 3 7</u>	<u>4 3 7</u>						
Do. for 1/4 at each end	<u>4 3 7</u>	<u>4 3 7</u>						
Reversed Frames, size of Angle Iron	<u>3 3 7</u>	<u>3 3 7</u>						
Keelsons, depth and thickness of Floor Plate at mid line for half the length amidships	<u>23 1/2 10</u>	<u>23 1/2 10</u>						
Do. at the ends	<u>6 1/2 9 1/2 8</u>	<u>6 1/2 9 1/2 8</u>						
Do. do. do. at Bilge Keelson	<u>11 10</u>	<u>11 10</u>						
Do. height extended at the Bilges	<u>4 1/2</u>	<u>4 1/2</u>						
Beams, Upper, Spar, or Aiming Deck (No. )	<u>6 3/4 6</u>	<u>6 3/4 6</u>						
Single or double Angle Iron, Plate or Tee Bulb Iron	<u>2 1/2 2 1/2 3</u>	<u>2 1/2 2 1/2 3</u>						
Average space	<u>4 1/2</u>	<u>4 1/2</u>						
Beams, Main or Middle Deck (No. ) single, or double Angle Iron, Plate or Tee Bulb Iron	<u>3 1/2 3 6</u>	<u>3 1/2 3 6</u>						
Single or double Angle Iron, on Upper Edge	<u>4 1/2</u>	<u>4 1/2</u>						
Average space	<u>4 1/2</u>	<u>4 1/2</u>						
Beams, Lower Deck, Hold or Orlop (No. ) single or double Angle Iron, Plate or Tee Bulb Iron	<u>3 1/2 3 6</u>	<u>3 1/2 3 6</u>						
Single or double Angle Iron on Upper Edge	<u>4 1/2</u>	<u>4 1/2</u>						
Average space	<u>4 1/2</u>	<u>4 1/2</u>						
Keelson Centre line, single or double plate, or Intercoastal, size of Plates	<u>10 11 10</u>	<u>10 11 10</u>						
Do. Bulb Plate to Intercoastal Keelson	<u>6 4 9 6 4 9</u>	<u>6 4 9 6 4 9</u>						
Do. Size of Angle Irons	<u>22 22 22</u>	<u>22 22 22</u>						
Do. Side Intercoastal Keelson, size of Plates	<u>5 4 9 5 4 9</u>	<u>5 4 9 5 4 9</u>						
Do. Angle Irons on tops of Floors	<u>3 1/2 3 6</u>	<u>3 1/2 3 6</u>						
Do. Bilge Keelson, Bulb Iron 1/2 length	<u>3 1/2 3 6</u>	<u>3 1/2 3 6</u>						
Do. do. Intercoastal plates riveted	<u>3 1/2 3 6</u>	<u>3 1/2 3 6</u>						
Between Angle Irons forward plating for 1/4 length	<u>9 9 9</u>	<u>9 9 9</u>						
Do. do. Angle Irons	<u>5 4 9 5 4 9</u>	<u>5 4 9 5 4 9</u>						
Side Stringers (No. ) size of Angle Irons	<u>5 4 9 5 4 9</u>	<u>5 4 9 5 4 9</u>						
Do. Intercoastal plates riveted to plating for midship half length	<u>9 9 9</u>	<u>9 9 9</u>						

Transoms, material Iron Plates or, if none, in what manner compensated for.

Light-heads None Hawse Timbers Chocks

Stanchions Iron Patent Pall Bitt None

The Frames extend in one length from Keel to Upper Deck Stringer Riveted through plates with 5/8 in. Rivets, about 5 apart.

The Reverse Angle Irons on the floors and frames extend from the middle line on each frame to about middle deck and to Upper Deck alternately

Keelsons. Are the various lengths of Plates and Angle Irons properly connected? They are And are their butts properly shifted? They are

Plates, Garboard, double or single Riveted to Keel, double or single at upper edge, with Rivets (1 1/2 in.) diameter, averaging (3 1/2 ins.) from centre to centre.

Do. Edges from Garboards to upper part of Bilge, worked Clencher, double or single Riveted; with Rivets (3/4 in.) diameter, averaging (3 ins.) from centre to centre.

Do. Butts from Keel to turn of Bilge, worked carvel with butt straps to strakes (9 1/2 14 1/16 thick, double or single Riveted; with Rivets (3/8 in.) diameter averaging (3 1/2 ins.) from centre to centre. Do the Butt Straps lay over and Rivet through the lands of the strakes above or below? No

Do. of Keel Strakes at Bilge for two lengths, treble riveted with Butt Straps to thicker than their plates.

Do. Edges from bilge to Main Sheerstrake, worked carvel with a lining piece ( ) thick, or clencher, double or single riveted; with rivets (3/4 in.) diameter, averaging (3 ins.) from centre to centre.

Do. Edges of Sheerstrake, Main, double or single Riveted. Upper, double or single Riveted. At upper edge single At lower edge single

Do. Butts from Bilge to Main Sheerstrake, worked Carvel with Butt Straps (4 1/16) thick, double or single Riveted; with Rivets (3/8 in.) diameter, averaging (3 1/4 ins.) from centre to centre.

Do. Butts of Main Sheerstrake, double or treble Riveted. Butts of Upper or Spar Sheerstrake, and Upper Deck Stringer Plate, double or treble Riveted for 1/4 length amidships. Breadth of laps of plating in double Riveting (5) Breadth of laps of plating in single Riveting (2 1/2)

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Double and parts treble riveted

Planksheer, how secured to the plating of the sides. Waterway, how secured to the planksheer and to the Beams. (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? Bracket knees forged on beam No. of Breasthooks, five Crutches, three

What description of Iron is used for the Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Mild and Manganese

Manufacturer's name or trade mark, and Glasgow

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature, Alexander McMillan & Son Surveyor's Signature, A. McMillan

IRON 449-0058



