

# IRON SHIPS.

No. 2903 Survey held at Glasgow Date 23<sup>rd</sup> December 1880  
 on the Ship "Dunfillan" Master Gamble  
 Tonnage under tonnage deck 36 Built at Glasgow When built 1880 Launched 3<sup>rd</sup> Decr 1880  
 Ditto of poop or spar deck 18 By whom built Aitken & Mansell Owners Wm. Ross  
 Ditto of engine room 30 Port belonging to Glasgow Destined Voyage Australia  
 Total Register tonnage 84  
 Gross Tonnage 84

Surveyed while Building, Afloat, or in Dry Dock whilst building and afloat

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.	No. of Decks
<u>191</u>			<u>33</u>			<u>20</u>			<u>45</u>	<u>✓</u>	<u>Two</u>
(Dimensions of Ship per Register, length <u>199.4</u> breadth <u>33.3</u> depth <u>20.3</u> )											
Keel, if bar iron, depth and thickness	Inches in Ship.		Inches required per Rule.		Inches in Ship.		Inches required per Rule.		Plates in Garboard Strakes, breadth and thickness		
„ if plate iron, breadth and thickness	<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>30 1/2 30 1/2</u>		
Stem, if bar iron, moulding and thickness	<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>		Ditto from Garboard to upper part of Bilges..		
„ if plate iron, breadth and thickness	<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>30 1/2 30 1/2</u>		
Stern-post, if bar iron, moulding and thickness	<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>		„ from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold		
„ if plate iron, breadth and thickness	<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>30 1/2 30 1/2</u>		
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>21</u>		<u>21</u>		<u>21</u>		<u>21</u>		„ from 3/4ths depth of Hold to lower edge of Sheerstrake		
Frames, Size of Angle Iron, single or double..	<u>4 1/2 3 30</u>		<u>4 1/2 3 30</u>		<u>4 1/2 3 30</u>		<u>4 1/2 3 30</u>		„ Sheerstrake, breadth and thickness		
Reversed Iron, if to every frame	<u>to the upper part of</u>		<u>to the upper part of</u>		<u>to the upper part of</u>		<u>to the upper part of</u>		<u>30 1/2 30 1/2</u>		
No. of Reversed Iron, if to every other frame	<u>to the upper part of</u>		<u>to the upper part of</u>		<u>to the upper part of</u>		<u>to the upper part of</u>		Butt Straps to outside plating, breadth and thickness		
Floors, depth and thickness of Floor Plate at mid line	<u>22 30 22 30</u>		<u>22 30 22 30</u>		<u>22 30 22 30</u>		<u>22 30 22 30</u>		<u>10 9 30 1/2 30 1/2</u>		
„ Ditto ditto at Bilge Keelson	<u>30 30 30 30</u>		<u>30 30 30 30</u>		<u>30 30 30 30</u>		<u>30 30 30 30</u>		Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness		
„ Size of Reversed Angle Iron, and No. at top of Floor Plate	<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>32 30 2 1/2 30</u>		
Beams, Deck (No. ) double Angle Iron, Plate, Tee, or Bulb Iron	<u>30 30 30 30</u>		<u>30 30 30 30</u>		<u>30 30 30 30</u>		<u>30 30 30 30</u>		Angle Iron on ditto		
„ „ double or single Angle Iron, on upper edge	<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>5 4 30 5 4 30</u>		
„ „ average space between centres	<u>3 ft 0</u>		<u>3 ft 0</u>		<u>3 ft 0</u>		<u>3 ft 0</u>		Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways		
„ Hold, or Lower Deck (No. ) double Angle, Tee, Plate, or Bulb Iron	<u>30 30 30 30</u>		<u>30 30 30 30</u>		<u>30 30 30 30</u>		<u>30 30 30 30</u>		<u>12 30 12 30</u>		
„ „ double or single Angle Iron, on upper edge	<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		Diagonal Tie Plates on ditto		
„ „ average space between centres	<u>3 ft 0</u>		<u>3 ft 0</u>		<u>3 ft 0</u>		<u>3 ft 0</u>		<u>12 30 12 30</u>		
„ Paddle, sided and moulded, thickness of Plate size of Angle Iron	<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		Planksheer, materials and scantlings		
„ Engine	<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>3 3 30 3 3 30</u>		<u>15 1/2 15 1/2</u>		
Keelson, single or double plate, box, or intercostal	<u>Intercostal</u>		<u>Intercostal</u>		<u>Intercostal</u>		<u>Intercostal</u>		Waterway ditto ditto		
„ Size of Plates	<u>26 1/2 30 27 30</u>		<u>26 1/2 30 27 30</u>		<u>26 1/2 30 27 30</u>		<u>26 1/2 30 27 30</u>		<u>15 1/2 15 1/2</u>		
„ Size of Angle Irons	<u>5 4 30 5 4 30</u>		<u>5 4 30 5 4 30</u>		<u>5 4 30 5 4 30</u>		<u>5 4 30 5 4 30</u>		Flat of Upper Deck, thickness and material		
„ Side, single or double, plate, box, or intercostal	<u>15 30 15 30</u>		<u>15 30 15 30</u>		<u>15 30 15 30</u>		<u>15 30 15 30</u>		<u>4 1/2 30 4 1/2 30</u>		
„ Bilge (No. ) at each Bilge, single, or double, plate, or box	<u>5 4 30 5 4 30</u>		<u>5 4 30 5 4 30</u>		<u>5 4 30 5 4 30</u>		<u>5 4 30 5 4 30</u>		„ how fastened to Beams		
Transoms, material, if none, in what manner compensated for.	<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron and Steel Bolts</u>		
Knight-heads, and Hawse Timbers	<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron and Steel Bolts</u>		
The Frames extend in one length from	<u>middle line</u>		<u>middle line</u>		<u>middle line</u>		<u>middle line</u>		<u>Iron and Steel Bolts</u>		
The reverse angle irons on the floors extend in one length across the middle line from	<u>to the upper part of Hold Beam</u>		<u>to the upper part of Hold Beam</u>		<u>to the upper part of Hold Beam</u>		<u>to the upper part of Hold Beam</u>		<u>Iron and Steel Bolts</u>		
Keelson, how are the various lengths of plates or angle irons connected?	<u>by joining pieces</u>		<u>by joining pieces</u>		<u>by joining pieces</u>		<u>by joining pieces</u>		<u>Iron and Steel Bolts</u>		
Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets (3/4 in.) diameter, averaging (3 in.) apart.	<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>Iron and Steel Bolts</u>		
„ Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 in.) apart.	<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>Iron and Steel Bolts</u>		
„ Butts from Keel to turn of bilge, worked carvel with butt straps (3/4 x 3/16) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 in.) apart.	<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>Iron and Steel Bolts</u>		
Do the butt straps lap over and rivet through the lands of the strake below?	<u>No</u>		<u>No</u>		<u>No</u>		<u>No</u>		<u>Iron and Steel Bolts</u>		
„ Edges from bilge to sheerstrake, worked carvel with a lining piece ( ) thick, or clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 in.) apart.	<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>Iron and Steel Bolts</u>		
Do the butt straps lap over and rivet through the lands of the strake below?	<u>No</u>		<u>No</u>		<u>No</u>		<u>No</u>		<u>Iron and Steel Bolts</u>		
„ Edges of Sheerstrake, double or single rivetted? At upper edge	<u>Single to Bulw</u>		<u>Single to Bulw</u>		<u>Single to Bulw</u>		<u>Single to Bulw</u>		<u>Iron and Steel Bolts</u>		
„ Butts from bilge to planksheers, worked carvel with butt straps (3/4 x 3/16) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 in.) apart.	<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>Iron and Steel Bolts</u>		
Breadth of laps in double rivetting ( ) Breadth of laps in single rivetting ( )	<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>3/4 30 3/4 30</u>		<u>Iron and Steel Bolts</u>		
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?	<u>Double</u>		<u>Double</u>		<u>Double</u>		<u>Double</u>		<u>Iron and Steel Bolts</u>		
Planksheer, how secured to the plating of the sides	<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron and Steel Bolts</u>		
Waterway „ „ planksheer and to the Beams	<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron and Steel Bolts</u>		
Deck Beams, how secured to the side?	<u>Welded knees rivetted to Frames</u>		<u>Welded knees rivetted to Frames</u>		<u>Welded knees rivetted to Frames</u>		<u>Welded knees rivetted to Frames</u>		<u>Iron and Steel Bolts</u>		
Hold or Lower Deck ditto	<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron and Steel Bolts</u>		
Paddle „ „	<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron Plates</u>		<u>Iron and Steel Bolts</u>		
No. of breasthooks	<u>Five</u>		<u>Five</u>		<u>Five</u>		<u>Five</u>		<u>Iron and Steel Bolts</u>		
crutches	<u>Five</u>		<u>Five</u>		<u>Five</u>		<u>Five</u>		<u>Iron and Steel Bolts</u>		
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.?	<u>Hematite Crown</u>		<u>Hematite Crown</u>		<u>Hematite Crown</u>		<u>Hematite Crown</u>		<u>Iron and Steel Bolts</u>		
Manufacturer's name or trade mark	<u>W. C. H. &amp; Co.</u>		<u>W. C. H. &amp; Co.</u>		<u>W. C. H. &amp; Co.</u>		<u>W. C. H. &amp; Co.</u>		<u>Iron and Steel Bolts</u>		

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

Builder's Signature Aitken & Mansell Surveyor's Signature B. Darling

IRON 443 0229



© 2019  
Lloyd's Reg  
Foundation