

# IRON SHIPS.

3048

No. 8924 Survey held at Pearcalle Date 1st of Feb 1863  
 on the class of - Master Rich'd Canning  
 Tonnage Gross 104.13 Engine Room 55.44 Register 144.34 Built at Pearcalle  
 When Built 202 By whom built Macrae & Son Owners Mess<sup>r</sup> Whitaker & Co  
 Port belonging to Sydney Destined Voyage Sydney  
 Surveyed Afloat or in Dry Dock and while building

Recd 1/2/63

**PLANS**

Length aloft	Feet. Inches.	Extreme Breadth	Feet. Inches.	Depth from top of Upper Deck	Feet. Inches.	Power of Engines	Horse No.
				Beam to top of Floor			
				9	2		
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft		Inches in Ship.	Inches required per Rule.				
Floors, Size of Angle Iron, and No. <u>meat</u> across <u>Gauge</u> bottom of Floor Plate	18	18	18				
" depth and thickness of Floor Plate at mid line	3	2 1/2	1 1/4	3	2 1/2	5 1/2	2 3/4
" depth and thickness of Floor Plate at Bilge Keelson	3	9 5/16	9	5 1/2			
Size of Reversed Angle Iron, and No. <u>meat</u> at top of Floor Plate	3	2 1/2	1 1/4	3	2 1/2	5 1/2	4 1/8
Frames, Size of Angle Iron, single & double	3	2 1/2	1 1/4	3	2 1/2	5 1/2	6 1/4
" Reversed Iron, if to every frame & every bilge	3	2 1/2	1 1/4	3	2 1/2	5 1/2	5 1/2
Beams, Deck (N <sup>o</sup> . <u>24</u> ) double Angle Iron or Bulk Iron with double Angle Iron on top	2 1/4	2 1/4	1 1/4	2 1/4	2 1/4	5 1/2	2 3/4
" depth & thickness of plate amidships	5	3	5 1/2	5 1/4	5 1/4	10	5 1/2
" double or single Angle Iron, on lower edge							
" average space between							
" if wood (N <sup>o</sup> . ) sided & moulded							
Hold, or Lower Deck (N <sup>o</sup> . <u>24</u> ) double Angle Iron or Bulk Iron with double Angle Iron on top	4 1/4	4 1/4	3 1/2	4 1/4	4 1/4	10	5 1/2
" depth & thickness of plate amidships							
" double or single Angle Iron, on lower edge							
" average space between							
" if wood (N <sup>o</sup> . ) sided & moulded							
Paddle, wood, sided and moulded or if Iron, size of Plate	3	2 1/4	1 1/4	3	2 1/4	5 1/2	5 1/2
Engine <u>100</u> " <u>100</u> "	4	3 1/2	2 1/2	5 1/2	5 1/2	10	5 1/2
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	3	2 1/2	1 1/4	3	2 1/2	5 1/2	5 1/2
Side or Bilge	3	2 1/2	1 1/4	3	2 1/2	5 1/2	5 1/2
" Number	3	2 1/4	1 1/4	3	2 1/4	5 1/2	5 1/2

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

Knight-heads Plate are they free from defects?

Hawse Timbers Plate

Bulkheads, N<sup>o</sup>. Keel Thickness of 4 1/2 - 4 1/4  
 how secured to the sides of the ship double frames 2 1/4 x 5 1/2 - 2 1/2  
 size of vertical angle iron and their distance apart 2 1/4 x 5 1/2 - 2 1/2

The Frames or Ribs extend in one length from Keel to Garboard riveted through plates with ( 1/2 in.) rivets, about ( 5 ) apart.

The reverse angle irons on the floors extend in one length across the middle line from Keel to Garboard to top part of the edges Planksheer on floors

Keelson, how are the various lengths of plates or angle irons connected?

Plates, Garboard, double single riveted to keel & at upper edge, with rivets ( 1/2 ins.) diameter averaging ( 1 1/2 in.) from centre to centre of rivets.

" Edges from Garboards to upper part of bilge, worked carvel with a lining piece ( 1/2 in.) thick, or clencher, double or single riveted; rivets ( 1/2 in.) diameter, averaging ( 1 1/2 ins.) from centre to centre of rivets.

" Butts from Keel to turn of bilge, worked carvel with a lining piece ( 1/2 in.) thick, double or single riveted; rivets ( 1/2 in.) diameter, averaging ( 1 1/2 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the stake below?

" Edges from bilge to planksheer, worked carvel with a lining piece ( 1/2 in.) thick, double or single riveted; rivets ( 1/2 in.) diameter, averaging ( 1 1/2 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the stake below?

" Butts from bilge to planksheers, worked carvel with a lining piece ( 1/2 in.) thick, or clencher, double or single riveted; rivets ( 1/2 in.) diameter, averaging ( 1 1/2 ins.) from centre to centre of rivets. Breadth of laps in double rivetting 6 3/4 Breadth of laps in single rivetting 3 1/2

Planksheer, how secured to the plating of the sides Explain by sketch, if necessary. Riveted to Garboard & plating

Waterway " planksheer and to the Beams breadth and thickness of plates how secured?

Side trussing Diagonal, " 8 x 5 1/2 " Riveted to Angle irons on Beams

Deck trussing Single plate knees Riveted to Framed & Beams

Deck Beams, how secured to the side? Single plate knees Riveted to Framed & Beams

Hold or Lower Deck "

Paddle "

No. of breasthooks 23 crutches 4 how are pointers compensated?

What description of iron is used for the angle iron and plate iron in the vessel?

Stampace " Hopkins & Co Builders"

Builder's Signature J. Wigham Richardson Esq

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IRON 436-0177

3048 Iron

**Workmanship.** Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double riveted edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted? *Yes*

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

Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? *Solid pieces*

Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? *Yes* and are the rivet holes well and sufficiently countersunk in the outer plate? *Yes*

Are there any rivets which either break into or have been put through the seams or butts of the plating? *None*

Her Masts, Yards, &c., are in *good* condition, and sufficient in size and length.

She has SAILS.

The  
Complete  
Sails  
and other required  
Sails

CABLES, &c.

N°.		Fathoms.	Inches.
	Chain	180	7/8
	Hempen Stream Cable	40	8 1/2
	Hawser	75	4
	Towlines	75	3 1/2
	Warp	65	7 1/2
	All of <i>best</i> quality.		

ANCHORS, and their weights.

N°.	Weight.
1	4. 1. 3
	7. 0. 0
1	2. 0. 5
1	1. 0. 8

Her Standing and Running Rigging *new* sufficient in size and *new* in quality.

She has *the life boat 10 Long Boat and the Launch boat 16 ft.*

The present state of the Windlass is *good* Capstan and Rudder *Complete* pumps *2000 ft Bilge pumped by engine*

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

- DATES of Surveys held while building, as per Section 17. {
- 1st. On the several parts of the frame, when in place, and before the plating was wrought
  - 2nd. On the plating during the progress of rivetting
  - 3rd. When the beams were in and fastened, and before the decks were laid
  - 4th. When the ship was complete, and before the plating was finally coated
  - 5th. After the ship was launched
- O'Beall - Success*  
*Special Survey*  
*as per order No. 377.*

This vessel is built in accordance with the American Shipbuilding Section, mentioned by your Letter of the 15<sup>th</sup> Oct 1862

It is provided to Australian milled steel, hicks to be ironed and apertures filled up.

She has a raised quarter deck and a forecastle anchor. It rigg'd as a three masted Schooner, standing part of wire rope.

Chain cables spliced on each length and sizes, as per Certificate appended. Pumps and fittings to build houses & common deck formed in four working bays.

In what manner are the surfaces preserved from oxidation?

*Red lead, zinc or lead - asphalted to Bilge*

I am of opinion this Vessel should be classed *1st. 1*

The amount of the Fee £*23* : - : - is received by me,

*J.W. MC* Special £*10:3:0*

Certificate (if required) £*1:0:0*

Committee's Minute *17<sup>th</sup> Feb 1863*

Character assigned *A 1st 6 Years*

*P. J. Lucke*

*Feb 17/63*

*She appears eligible for classification as recommended*



*2019*

*Lloyd's Register*

*Foundation*