

# IRON SHIPS.

3462

Rec 1/2/64

No. 234 Survey held at Newcastle Date 15 Feb 1864  
 on the Steam S. Comb Master J. Sheen  
 Tonnage Gross 146.44 Engine Room 46.88 Register 99.51 Built at Newcastle  
 When Built 1863 Launched 15 Dec 1863 By whom built Mitchell & Co  
 Owner Columba & Co Port belonging to Nagapatnam Destined Voyage E. Indies  
 If Surveyed Afloat on in Dry Dock and while remaining as per sea 17

Length aloft ..... 105 Feet. Inches. Extreme Breadth ..... 19 Feet. Inches. Depth from top of Upper Deck } Feet. Inches. Beam to top of Floor ..... } 11 6 Power of Engines ..... 25 Horse.

Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ships.		Inches required per Rule.		Stem, if bar iron, moulding and thickness	Inches. 16ths. required		Inches. 16ths. required	
	In Ship.	In Ship.	per Rule.	per Rule.		In Ship.	In Ship.	per Rule.	per Rule.
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	<u>2 1/2</u>	<u>2 1/2</u>	<u>5</u>	<u>2 1/2</u>	Stem, if plate iron, breadth and thickness	<u>5 1/2</u>	<u>1 1/2</u>	<u>5 1/2</u>	<u>1 1/2</u>
depth and thickness of Floor Plate at mid line	<u>12</u>	<u>5 1/2</u>	<u>11 1/2</u>	<u>5 1/2</u>	Stern-post, if bar iron, moulding and thickness	<u>5 1/2</u>	<u>3</u>	<u>5 1/2</u>	<u>3</u>
depth and thickness of Floor Plate at Bilge Keelson	<u>5</u>	<u>5 1/2</u>	<u>2 1/2</u>	<u>5 1/2</u>	Keel, if bar iron, depth and thickness	<u>5 1/2</u>	<u>1 1/2</u>	<u>5 1/2</u>	<u>1 1/2</u>
Size of Reversed Angle Iron, and No. at top of Floor Plate	<u>2 1/4</u>	<u>2 1/4</u>	<u>5</u>	<u>2 1/4</u>	Keel, if plate iron, breadth and thickness	<u>5 1/2</u>	<u>1 1/2</u>	<u>5 1/2</u>	<u>1 1/2</u>
Frames, Size of Angle Iron, single or double Reversed Iron, if to every frame	<u>2 1/2</u>	<u>2 1/2</u>	<u>5</u>	<u>2 1/2</u>	Garboard Plates, Breadth and thickness	<u>24</u>	<u>7/8</u>	<u>24</u>	<u>7/8</u>
Beams, Deck (No. 20) double Angle Iron Plate or Bar Iron	<u>5</u>	<u>3</u>	<u>4 3/4</u>	<u>5 1/2</u>	From Garboard to upper part of Bilge	<u>6</u>	<u>5/8</u>	<u>6</u>	<u>5/8</u>
Plate or Bar Iron	<u>5</u>	<u>3</u>	<u>4 3/4</u>	<u>5 1/2</u>	From upper part of Bilge to Sheerstrakes	<u>6</u>	<u>5/8</u>	<u>6</u>	<u>5/8</u>
double or single Angle Iron	<u>5</u>	<u>3</u>	<u>4 3/4</u>	<u>5 1/2</u>	Sheerstrakes, Breadth and thickness	<u>32</u>	<u>5/8</u>	<u>32</u>	<u>5/8</u>
average space between	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Butt Straps to outside plating, Breadth and thickness	<u>4</u>	<u>7/8</u>	<u>15</u>	<u>5/8</u>
if wood (No. ) sided & moulded	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Planksheers	<u>10</u>	<u>5</u>	<u>13 1/2</u>	<u>5</u>
Hold, or Lower Deck (No. 19) double Angle Iron Plate or Bar Iron	<u>5</u>	<u>3</u>	<u>4 3/4</u>	<u>5 1/2</u>	Gunwale Plate or Stringer on ends of Up. Dk Beams	<u>10</u>	<u>5</u>	<u>13 1/2</u>	<u>5</u>
double or single Angle Iron	<u>5</u>	<u>3</u>	<u>4 3/4</u>	<u>5 1/2</u>	Angle Iron on ditto	<u>2 1/2</u>	<u>2 1/2</u>	<u>4 7/8</u>	<u>2 1/2</u>
average space between	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Diagonal Tie Plates on Beams	<u>4 1/2</u>	<u>5</u>	<u>6 5/8</u>	<u>5</u>
if wood (No. ) sided & moulded	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Waterway	<u>10</u>	<u>4</u>	<u>10</u>	<u>4</u>
Paddle, wood, sided and moulded, or if Iron, size of Plate	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Deck	<u>10</u>	<u>4</u>	<u>10</u>	<u>4</u>
Engine	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Ceiling in Hold	<u>5</u>	<u>2 1/2</u>	<u>5</u>	<u>2 1/2</u>
Keelson, single plate, box or intercostal	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Ceiling between Decks	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
Size of Plates	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Beam Clamps or Spirketting	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
Size of Angle Irons	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Shelf	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
Ditto Bilge (No. 2)	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Stringer Plates on ends of Hold or Lower Dk Beams	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
Transoms, material	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Ceiling between Decks	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
if none, in what manner compensated for	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Stringer or Tie Plates outside Hatchways	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
Knight-heads, and Hawse Timbers	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Deck Beam Clamps or Spirketting	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
The Frames or Ribs extend in one length from	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Shelf	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
The reverse angle irons on the floors extend in one length across the middle line from	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Stringers in Hold	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>
Keelson, how are the various lengths of plates or angle irons connected?	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	<u>3 feet</u>	Deck, Lower	<u>3</u>	<u>2 1/4</u>	<u>3</u>	<u>2 1/4</u>

Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets 7/8 diameter averaging 3 1/2 from centre to centre of rivet.  
 Edges from Garboards to upper part of bilge, worked carvel with a lining piece 1/2 thick, or clencher, double or single rivetted; rivets 5/8 diameter, averaging 2 1/2 from centre to centre of rivets.  
 Butts from Keel to turn of bilge, worked carvel with a lining piece 1/2 thick, double or single rivetted; rivets 5/8 diameter, averaging 2 1/2 from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? no  
 Edges from bilge to sheerstrake, worked carvel with a lining piece 1/2 thick, or clencher, double or single rivetted; rivets 5/8 diameter, averaging 2 1/2 from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?  
 Edge of Sheerstrake, double or single rivetted?  
 Butts from bilge to planksheers, worked carvel with a lining piece 1/2 thick, double or single rivetted; rivets 5/8 diameter averaging 2 1/2 from centre to centre of rivets. Breadth of laps in double rivetting 3 Breadth of laps in single rivetting 2 1/2  
 Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?  
 Planksheer, how secured to the plating of the sides } Explain by sketch } Bolts to stringer and  
 Waterway " " planksheer and to the Beams } if necessary. } some plating  
 Deck Beams, how secured to the side? single plate keelson rivetted to frames & beams  
 Hold or Lower Deck " " all  
 Paddle " " all  
 No. of breasthooks 2 crutches 3 how are pointers compensated?  
 What description of iron is used for the angle iron and plate iron in the vessel?  
"Cast-iron" and "I.W. & B. macker"

Builder's Signature Mitchell & Co Lloyd's Register

IRON 437-0130

