

IRON 467-0510

# IRON SHIP.

16835  
Re 11/9/76

No. 1729 Survey held at Woolston Date, First Survey 18 April Last Survey 13 Sept 1876

On the Ship "Cambrian Monarch" Master David Hughes

TONNAGE under Tonnage Deck } 1233.55 ONE, OR TWO DECKED, THREE DECKED VESSEL.  
Ditto of Third, Spar, or Awning Deck. }  
Ditto of Poop, or Raised Or. Dk. } 81.08  
Ditto of Houses on Deck } 38.77  
Ditto of Forecastle }  
Gross Tonnage 1353.40  
Less Crew Space 47.68  
Net Tonnage 1305.72

Built at Woolston, Southport

When built 1876 Launched 21 July

By whom built J. P. Oswald

Owners Messrs Williams & Roberts

Port belonging to Liverpool

Destined Voyage Foreign

Surveyed while Building, Afloat, or in Dry Dock.

HALF BREADTH (moulded) 18.46 Feet.  
DEPTH from upper part of Keel to top of Upper Deck Beams 25.22  
GIRTH of Half Midship Frame (as per Rule) 38.04  
1st NUMBER 81.72  
1st NUMBER, if a THREE-DECKED VESSEL [deduct 7 feet]  
LENGTH 206.  
2nd NUMBER 16834.  
PROPORTIONS—Breadths to Length Under 6  
Depths to Length—Upper Deck to Keel 9  
Main Deck ditto 9

Official Number

LENGTH on deck as per Rule 206. Breadth 36 11 DEPTH top of Floors to Upper Deck Beams 25 2 1/2 Power of Engines — Horse. — No. of Decks with flat laid 2 No. of Tiers of Beams 2

Dimensions of Ship per Register, length, 216.5 breadth, 37.05 depth, 23.

	Inches in Ship.		Inches per Rule.	
	Inches.	16ths.	Inches.	16ths.
KEEL, depth and thickness	9	2 1/2	9	2 1/2
STEM, moulding and thickness	9	2 1/2	8 1/2	2 1/2
STERN-POST for Rudder do. do. for Propeller	9	2 1/2	8 1/2	2 1/2
FRAMES, Angle Iron, for 1/2 length amidships	5	3 1/2	5	3 1/2
REVERSED FRAMES, Angle Iron	3 1/2	3 1/2	3 1/2	3 1/2
BEAMS, Upper, Spar, or Awning Deck	8 1/2	8.7	8	8
BEAMS, Main, or Middle Deck	48		48	
BEAMS, Lower Deck, Hold, or Orlop	9	9	9	9
KEELSONS	17	12.10	17	12.10
BILGE Angle Irons	5	4 9	5	4 9
BILGE STRINGER Angle Irons	5	4 9	5	4 9
SIDE STRINGER Angle Irons	5	4 9	5	4 9

	Inches. In Ship.	16ths. In Ship.	Inches. per Rule.	16ths. per Rule.
Flat Keel Plates, breadth and thickness	38	11.10	36	11
PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, or increased thickness, and length applied	—	—	—	—
fm up. part of Bilge to lr. edge of Sh'rstrake	—	10.5	—	10
Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Upr. or Spar Dk. Sh'rstrake.	41	12.9	40	12
Up. or Spar Dk Sh'rstrake, brdth & thickness	—	—	—	—
Butt Straps to outside plating, breadth & thickness	5 1/4	10.12	5 1/4	10.12
Lengths of Plating	—	—	—	16 feet
Shifts of Plating, and Stringers	—	—	—	4
Gunwale Plate on ends of Upper Deck Beams, breadth and thickness	42	10	42	10
Angle Iron on ditto	5x4	9	5x4	9
Tie Plates fore and aft, outside Hatchways	12	10	12	10
Diagonal Tie Plates on Beams No. of Pairs (2)	12	10	12	10
Planksheer material and scantling	—	—	—	—
Waterways do. do.	—	—	—	—
Flat of Upper Deck do. do.	4	—	4	—
How fastened to Beams	—	—	—	—
Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness	—	—	—	—
Is the Stringer Plate attached to the outside plating?	Yes	—	—	—
Angle Irons on ditto, No.	—	—	—	—
Tie Plates, outside Hatchways	—	—	—	—
Diagonal Tie Plates on Beams, No. of pairs	—	—	—	—
Waterways materials and scantlings	—	—	—	—
Flat of Middle Deck do. do.	—	—	—	—
How fastened to Beams	—	—	—	—
Stringer Plates on ends of Lower Deck, Hold or Orlop Beams	31	9	31	9
Is the Stringer Plate attached to the outside plating?	Yes	—	—	—
Angle Irons on ditto, No.	—	—	—	—
Stringer or Tie Plates, outside Hatchways	12	10	12	10
Flat of Lower Deck	3	—	3	—
Ceiling betwixt Decks, thickness and material in hold do. do.	2 1/2	—	2 1/2	—
Main piece of Rudder, diameter at head do. at heel	6	—	6	—
Can the Rudder be unshipped afloat?	Yes	—	—	—
Bulkheads No. One Thickness of Height up	—	—	—	—
How secured to sides of ship	—	—	—	—
Size of Vertical Angle Irons and distance apart	3 1/2 x 3 1/2 x 9/16	—	30	—
Are the outside Plates doubled two spaces of Frames in length?	Yes	—	—	—

The FRAMES extend in one length from Keel to Gunwale Riveted through plates with 14/16 in. Rivets, about 7 apart.

The REVERSED ANGLE IRONS on floors and frames extend from middle line to Gunwale and 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 1/8 in. diameter, averaging 5 1/2 ins. from centre to centre. Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 14/16 in. diameter, averaging 3 1/4 ins. from centre to centre. Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 12.14/16 in. diameter averaging 3.3 3/4 ins. from centre to centre. Butts of Strakes at Bilge for half 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 12.14/16 in. diameter, averaging 3.3 3/4 ins. from cr. to cr. Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 12.14/16 in. diameter, averaging 3.3 3/4 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 half length amidships. Butts of Upper or Spar Sheerstrake, treble riveted — length amidships. Butts of Main Stringer Plate, treble riveted for half length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for — length. Breadth of laps of plating in double riveting 3 1/2 Breadth of laps of plating in single riveting —

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? —

Waterway, how secured to Beams Gutter Waterway (Explain by Sketch, if necessary.)  
Beams of the various Decks, how secured to the sides? knives turned down No. of Breasthooks, 5 Crutches, 13

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

Manufacturer's name or trade mark, Sheffield Malleable Co.  
The above is a correct description.  
Builder's Signature, W. Wood Surveyor's Signature, W. Wood  
Surveyor to Lloyd's Register of British and Foreign Shipping.

2000 (12.676)

