

IRON SHIP.

Survey held at Middleboro Date, First Survey 1880 Last Survey 1880

On the Montgomery Master Raylton Dixon

ONE, OR TWO DECKED, THREE DECKED VESSEL. ONE, OR TWO DECKED VESSEL.

SPAR, OR AWNING DECKED VESSEL.

HALF BREADTH (moulded) 14.50 Feet.

DEPTH from upper part of Keel to top of Upper Deck Beams 26.5

GIRTH of Half Midship Frame (as per Rule) 40.0

1st NUMBER 84.0

1st NUMBER, if a THREE-DECKED VESSEL 84.0

LENGTH 108.5

2nd NUMBER 206.4

PROPORTIONS—Breadths to Length 1.04

Depths to Length—Upper Deck to Keel 10.18

Main Deck ditto 13.94

Gross Tonnage 1929.20

Less Crew Space 55.15

Less Engine Room 6.31

Register Tonnage 1867.74

Net Tonnage 1867.74

When built 1880 Launched 1880

By whom built Raylton Dixon & Co.

Owners Jenkins & Co.

Port belonging to Sandon

Destined Voyage Cardiff

Surveyed while Building, Afloat, or in Dry Dock. Yes

LENGTH	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH	Feet.	Inches.	Power of Engines	Horse.	Nº. of Decks with flat laid	Nº. of Tiers of Beams
on deck as per Rule	108	0	Moulded	35	0	top of Floors to Upper Deck Beams	26	5	250	250	2	3
Do. do. Main Deck Beams						Do. do. Main Deck Beams						

Dimensions of Ship per Register, length, 108 breadth, 35 depth, 26.5

	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	9 1/2 x 2 1/2	9 1/2 x 2 1/2		
STEM, moulding and thickness	9 x 2 1/2	9 x 2 1/2		
STERN-POST for Rudder do. do.	10 1/2 x 4 1/2	9 x 5		
for Propeller				
Distance of Frames from moulding edge to moulding edge, all fore and aft	2 ft	(Class 1000)		
FRAMES, Angle Iron, for 1/2 length amidships	5	3	8	5
Do. for 1/2 at each end	5	3	4	5
REVERSED FRAMES, Angle Iron	3 1/2	3	8	3 1/2
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	2 ft	9	10	2 1/2
thickness at the ends of vessel		8		8
depth at 1/2 the half-bdth. as per Rule	12		12	
height extended at the Bilges	18		18	
BEAMS, Upper, Spar, or Awning Deck Single or double Angle Iron, Plate or Tee Bulb Iron	9 1/2	1	9 1/2	7
Single or double Angle Iron on Upper edge	3	3	6	3
Average space	18		18	
BEAMS, Main, or Middle Deck Single or double Angle Iron, Plate or Tee Bulb Iron	6	3	8	6
Single, or double Angle Iron, on Upper Edge				
Average space	2 ft		2 1/2	
BEAMS, Lower Deck, Hold, or Orlop Single or double Angle Iron, Plate or Tee Bulb Iron	8 1/2	8	8 1/2	8
Single or double Angle Iron on Upper Edge	3	3	8	3
Average space	18		18	
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates	18	13	18	13
Rider Plate	11 1/2	13	11 1/2	13
Bulb Plate to Intercoastal Keelson				
Angle Irons	5 1/2	4	5 1/2	4
Double Angle Iron Side Keelson				
Side Intercoastal Plate		8		8
do. Angle Irons	4 1/2		4 1/2	8
Attached to outside plating with angle iron	5 1/2	4	5 1/2	4
BILGE Angle Irons	5 1/2	4	5 1/2	4
do. Bulb Iron	8 1/2	4	8 1/2	4
do. Intercoastal plates riveted to plating for 1/2 length		8		8
BILGE STRINGER Angle Irons	5 1/2	4	5 1/2	4
Intercoastal plates riveted to plating for 1/2 length		8		8
SIDE STRINGER Angle Irons				
Transoms, material. Knight-heads. Hawse Timbers.				
Windlass				

Is the Stringer Plate attached to the outside plating? Yes

Angle Irons on ditto, No. Two

Tie Plates, outside Hatchways 14

Diagonal Tie Plates on Beams, No. of pairs 14

Waterways materials and scantling Cutter

Flat of Upper Deck do. do. 14

How fastened to Beams 3/4 x 1/2 x 1/4

Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness 38

Is the Stringer Plate attached to the outside plating? Yes

Angle Irons on ditto, No. 2

Stringer or Tie Plates, outside Hatchways 14

Flat of Lower Deck do. do. 14

How fastened to Beams 3/4 x 1/2 x 1/4

Ceiling betwixt Decks, thickness and material 2 1/2

in hold do. do. 2 1/2

Main piece of Rudder, diameter at head 6 1/2

do. at heel 2 1/2

Can the Rudder be unshipped afloat? Yes

Bulkheads No. 1 Thickness of 1

Height up Upper & Main Deck

How secured to sides of ship Double frames

Size of Vertical Angle Irons 3 1/2 x 3 x 3/8 and distance apart 30 ins.

Are the outside Plates doubled two spaces of Frames in length? Yes

The FRAMES extend in one length from Keel to Gunnwale

REVERSED ANGLE IRONS on floors and frames extend across middle line to Main & Stringer and to Gunnwale 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 1/8 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 1/8 in. diameter, averaging 3 1/8 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 1/8 in. diameter averaging 3 1/8 ins. from centre to centre.

Butts of Three Strakes at Bilge for one half length, treble riveted with Butt Straps 1/10 thicker than the plates they connect.

Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 1/8 in. diameter, averaging 3 1/8 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 1/8 in. diameter, averaging 3 1/8 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 1/2 length amidships. Butts of Upper or Spar Sheerstrake, treble riveted 1/2 length amidships.

Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length.

Breadth of laps of plating in double riveting 13 1/2 Breadth of laps of plating in single riveting 1

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

Waterway, how secured to Beams Cutter (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? Double frames

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

Manufacturer's name or trade mark, Adelphi & Co. and Dorman Long & Co.

The above is a correct description.

Builder's Signature RAYLTON DIXON & CO. Surveyor's Signature W. J. Lloyd

Surveyor to Lloyd's Register of British and Foreign Shipping.

Workmanship. Are the butts of plating planed or otherwise fitted? *planed*

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

Are the fillings between the ribs and plates solid single pieces? *solid pieces*

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes*

Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? *yes*

Do any rivets break into or through the seams or butts of the plating? *some butts*

28682 Iron

Masts, Bowsprit, Yards, &c., are *Iron* in *good* condition, and sufficient in size and length. If of Iron or Steel give scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit *3. Mast 14' 9" x 21' 2" 3 plates in the round, plating*

1/16 double 6' 6" seams double and butts triple riveted above partners.

M. Mast 14' 6" x 22' plate 1/16 5/16 plates double 6' 2" in other respects as 3. Mast

Plates tested by bending cold

NUMBER for EQUIPMENT		24800	Fathoms.	Inches.	Test per Certificate.	Length & Size req'd per Rule.	Test req'd per Rule.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	Wght req'd per Rule.	Test req'd per Rule.	
N ^o .	SAILS.	CABLES, &c. Chain	240	1 13/16	59 1/8	240-1 13/16	59 1/8	Bowers	3	33.0.0	30.2.2.0	32.0.0	30.2.0.0	
Junk	Fore Sails,	State Machine where Tested, Date, & name of Superintendent	Slaysds	Bovine	House.	System		State Machine where Tested, Date, & name of Superintendent		31.8.1	20.0.2.1	32.0.0	30.2.0.0	
	Fore Top Sails,	Saloth	Octr	780.	E. R.	Isitt				24.3.1	24.0.2.1	24.0.2	26.10.0	
	Fore Topmast Stay Sails	Hmpn Strm Cbl	20	1 1/8	22 3/4	1 1/8	22 3/4		2nd Octr - 80. E. R.	Isitt				
	Main Sails,	Hawser ...	20	1 1/2	9 1/2				Stream	1	10.3.3	12.15.1.4	10.2.0	12.8.0.0
	Towlines	20	1 1/2	12			Kedges		2	5.1.0	4.11.3.14	5.1.0	4.11.0.0	
	Main Top Sails,	Warp ...	20	1 1/2	12					2.2.0	5.0.0.0	2.2.0.0	5.0.0.0	
and		quality 9000	20	1 1/2										

Standing and Running Rigging *Wm. A. Perry* sufficient in size and *good* in quality. She has *two* Life Long Boats and *for a jolly boat*

The Windlass is *good* Capstan *good* and Rudder *good* Pumps *good*

Engine Room Skylights. How constructed? *1/16 iron casing & 3/8 skylight* How secured in ordinary weather? *Bulls eyes*

What arrangements for deadlights in bad weather? *Bulls eyes*

Coal Bunker Openings. How constructed? *Iron bonnet* How are lids secured? *Bars* Height above deck? *12' to 24'*

Scuppers, &c. What arrangements for clearing upper deck of water, in case of shipping a sea? *Ports & scuppers*

Cargo Hatchways. How formed? *1/16 iron comings*

State size Main Hatch *20' x 12'* Forehatch *16' x 8'* Quarterhatch *12' x 10' and 16' x 10'*

If of extraordinary size, state how framed and secured? *✓*

What arrangement for shifting beams? *web frames & fore & after*

Hatches, If strong and efficient? *yes*

Order for Special Survey No. <i>✓</i>	DATES of Surveys held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought
Date <i>Special</i>		2nd. On the plating during the process of riveting
Order for <i>Special</i> Survey No. <i>33</i>		3rd. When the beams were in and fastened, and before the decks were laid...
Date <i>19th Dec 1880</i>		4th. When the ship was complete, and before the plating was finally coated or cemented...
No. <i>140</i> in builder's yard.		5th. After the ship was launched and equipped

Built under Special Survey
First Survey 12th Dec 1880
Last Survey 10th Dec 1880

General Remarks (State quality of workmanship, &c.) *good*

Has a Topgallant Forecastle, beams to top height, Beams 1' 1/2 x 3' 1/2, angles 3' 1/2 x 3' 1/2, plating 1/16, Deck 3' 1/2 x 5' 1/2.

Pop frames to top height, Beams 6' 1/2 x 3' 1/2 x 5' 1/2, Stringer 20' x 5' 1/2, Bio plate 9' x 5' 1/2.

Plating 1/16 Deck 3' 1/2 x 5' 1/2.

Water Ballast Tanks - Side plates 1/16, Angles 3' 1/2 x 3' 1/2 x 5' 1/2, web plates 1/16, Angles 3' 1/2 x 3' 1/2 x 5' 1/2.

Topplating 1/16 - Decked with a head of water to load line

RAYLTON DIXON & CO.
R. Dixon

State if one, two, or three, decked vessel, or if open, or running decked, and the lengths of poop, forecastle, or raised quarter deck, and the length of double, or part double bottom.

How are the surfaces preserved from oxidation? Inside *lime & paint* Outside *paint*

I am of opinion this Vessel should be Classed *100 A 1*

The amount of the Entry Fee ... £ 5 : 0 : 0 is received by me, *✓*

Dec 1880 Special ... £ 11 : 11 : 0 *18th Dec 1880*

Certificate ...

(Travelling Expenses, if any, £ ...)

Committee's Minute *Tuesday, December, 21st 1880.*

Character assigned

Lloyd's Register



Lloyd's Register
Foundation