

# IRON SHIPS.

Survey held at Hartlepool Date 14<sup>th</sup> June to 11<sup>th</sup> October 1869

Ship Thra Master Brigantine "Marquinesa" Master Antonio de Uribe

Age under tonnage deck 263.55

Ditto of quarter deck 10.89

Ditto of poop, fore-castle, or other erections on upper deck to of spar deck

Ditto of engine room

Gross tonnage, less crew space 202.44

Total Register tonnage, as out on beam 202.44

Built at Hartlepool

When built 1869

Launched 6<sup>th</sup> October

By whom built W & A Alexander & Co

Owners Antonio de Uribe & Co

Port belonging to Bilbao

Destined Voyage Bilbao

If Surveyed while Building, Afloat, or in Dry Dock While building

Length aloft 110 4 Feet. Inches. Extreme Breadth 25 1 Feet. Inches. Depth from top of Upper Deck Beam to top of Floor 14 4 Feet. Inches. Power of Engines - Horse. No. of Decks One

(Dimensions of Ship per Register, length 114.7 breadth 25.2 depth 13.8)

	Inches in Ship	Inches required per Rule for 200 tons Scale		Inches in Ship	Inches required per Rule		Inches in Ship	Inches required per Rule		Inches in Ship	Inches required per Rule
Keel, if bar iron, depth and thickness	<u>6 1/4 x 2</u>	<u>6 1/4 x 2</u>	Plates in Garboard Strakes, breadth and thickness	<u>32</u>	<u>8 1/16</u>	<u>24</u>	<u>8 1/16</u>	<u>7 1/16</u>			
„ if plate iron, breadth and thickness	<u>6 1/4 x 2</u>	<u>6 1/4 x 2</u>	Ditto from Garboard to upper part of Bilges		<u>7 1/16</u>		<u>6 1/16</u>				
Stem, if bar iron, moulding and thickness	<u>6 1/4 x 2</u>	<u>6 1/4 x 2</u>	„ from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold		<u>6 1/16</u>		<u>5 1/16</u>				
„ if plate iron, breadth and thickness	<u>6 1/4 x 2</u>	<u>6 1/4 x 2</u>	„ from 3/4ths depth of Hold to lower edge of Sheerstrake		<u>5 1/16</u>		<u>27</u>	<u>7 1/16</u>	<u>24</u>	<u>7 1/16</u>	
Stern-post, if bar iron, moulding and thickness	<u>6 1/4 x 2</u>	<u>6 1/4 x 2</u>	„ Sheerstrake, breadth and thickness		<u>27</u>	<u>7 1/16</u>	<u>24</u>	<u>7 1/16</u>			
„ if plate iron, breadth and thickness	<u>21</u>	<u>21</u>	Butt Straps to outside plating, breadth and thickness		<u>8 1/2 x 3/4</u>	<u>8 1/2</u>	<u>7</u>	<u>7 1/16</u>	<u>5 1/16</u>		
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>21</u>	<u>21</u>	Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness	<u>19</u>	<u>6 1/16</u>	<u>10</u>	<u>6 1/16</u>	<u>3 x 3</u>	<u>6 1/16</u>		
Frames, Size of Angle Iron, single or double	<u>3</u>	<u>2 1/2</u>	Angle Iron on ditto	<u>8</u>	<u>6 1/16</u>		<u>9 1/2</u>	<u>6 1/16</u>	<u>9</u>	<u>6 1/16</u>	
„ „ Reversed Iron, if to every frame or every frame	<u>2 1/4</u>	<u>2 1/4</u>	Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways	<u>9 1/2</u>	<u>6 1/16</u>	<u>9</u>	<u>6 1/16</u>	<u>9</u>	<u>6 1/16</u>		
Floors, depth and thickness of Floor Plate at mid line	<u>16</u>	<u>x</u>	Diagonal Tie Plates on ditto	<u>9 1/2</u>	<u>6 1/16</u>	<u>9</u>	<u>6 1/16</u>				
„ Ditto ditto at Bilge Keelson	<u>8</u>	<u>x</u>	Planksheer, materials and scantlings								
„ Size of Reversed Angle Iron, and No. <u>one</u> at top of Floor Plate	<u>2 1/4</u>	<u>2 1/4</u>	Waterway ditto ditto	<u>2 1/2</u>	<u>4 1/16</u>	<u>2 1/2</u>					
Beams, Deck (No. <u>32</u> ) double Angle Iron, Plate, Tee, or Bulb Iron	<u>6 1/2</u>	<u>x</u>	Flat of Upper Deck, thickness and material	<u>8 1/16</u>	<u>13</u>						
„ „ double or single Angle Iron, on <u>top</u> edge	<u>2 1/4</u>	<u>2 1/4</u>	„ „ how fastened to Beams	<u>8 1/16</u>	<u>13</u>						
„ „ average space between	<u>3 ft. 6 in.</u>	<u>3 ft. 6 in.</u>	Ceiling betwixt Decks and in Hold, thickness and material	<u>2 1/2</u>	<u>Pine</u>						
„ Hold, or Lower Deck (No. <u>11</u> ) double Angle, Tee, Plate, or Bulb Iron	<u>6 1/2</u>	<u>x</u>	Clamps or Spirketting ditto								
„ „ double or single Angle Iron on <u>top</u> edge	<u>2 1/4</u>	<u>2 1/4</u>	Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness	<u>14</u>	<u>6 1/16</u>	<u>14</u>	<u>6 1/16</u>				
„ „ average space between	<u>7 ft.</u>	<u>7 ft.</u>	Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams <u>Double Angles</u>	<u>3 x 3</u>	<u>6 1/16</u>	<u>3 x 3</u>	<u>6 1/16</u>	<u>Single</u>			
„ Paddle, sided and moulded, thickness of Plate size of Angle Iron			Stringers in Hold								
„ Engine			Flat of Lower Deck, thickness and material	<u>3 1/2</u>		<u>3 1/2</u>					
Keelson, single or double plate, box, or intercostal			Main piece of Rudder, diameter at head	<u>2</u>		<u>2</u>					
„ Size of Plates	<u>11</u>	<u>x</u>	„ „ „ at heel	<u>2</u>		<u>2</u>					
„ Size of Angle Irons <u>4 ft.</u>	<u>3</u>	<u>3</u>	(Can the Rudder be unshipped afloat <u>Yes</u> )								
„ Side, single or d'ble, plate, box, or intercostal			Bulkheads, No. <u>One</u> Thickness of	<u>4 1/16</u>		<u>4 1/16</u>					
„ Bilge (No. <u>one</u> ) at each Bilge, single, or double, plate, or box	<u>3</u>	<u>3</u>	„ Height up <u>Main Deck</u>								

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

Knight-heads, and Hawse Timbers See

The Frames extend in one length from Head to gunwale rivetted through plates with (5/10 in.) rivets, about (5 in.) apart.

The reverse angle irons on the floors extend in one length across the middle line from upper part of bilge to go.

„ „ „ on the frames „ „ „ from mm to mm

Keelson, how are the various lengths of plates or angle irons connected? butts shifted & strapped & rivetted

Plates, Garboard, double with 1 in. rivets spaced 3 1/4 apart rivetted to keel, double or at upper edge, with rivets (3/4 ins.) diameter, averaging (2 1/4 in.) apart.

„ Edges from Garboards to upper part of bilge, worked clench, double or single rivetted; with rivets (5/10 in.) diameter, averaging (2 1/4 ins.) apart.

„ Butts from Keel to turn of bilge, worked carvel with butt straps (8 1/2 x 7 1/2) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/4 ins.) apart. Do the butt straps lap over and rivet through the lands of the strake below? no

„ Edges from bilge to sheerstrake, worked carvel with a lining piece (-) thick, or clench, double or single rivetted; with rivets (5/10 in.) diameter, averaging (2 1/4 in.) apart. Do the butt straps lap over and rivet through the lands of the strake below? no

„ Edges of Sheerstrake, double or single rivetted? At upper edge Single to bulwark At lower edge Double

„ Butts from bilge to planksheers, worked carvel with butt straps (7 1/2 x 6 1/2) thick, double or single rivetted; with rivets (5/10 in.) diameter, averaging (2 1/4 ins.) apart. Breadth of laps in double rivetting (3 1/2) Breadth of laps in single rivetting (2 1/4)

Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Double

Planksheer, how secured to the plating of the sides Explain by sketch

Waterway „ „ planksheer and to the Beams if necessary.

Deck Beams, how secured to the side? Beam ends turned & then welded

Hold or Lower Deck ditto Same as Deck

Paddle „ „ „ No. of breasthooks Three crutches Two

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

Manufacturer's name or trade mark W & A Alexander & Co. Middlesbrough. Hartlepool Iron Works.

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

Builder's Signature W & A Alexander & Co

Surveyor's Signature S. P. Gladstone



7426 In.

**Workmanship.** Are the lands or laps of the clenchwork in all cases in breadth at least five and a half times the diameter of the rivets rivetted edges and butts, and at least three and a quarter times the diameter of the rivets where single rivetting is admitted? Yes  
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  
Do the fillings between the ribs and plates fill in solid with single pieces? or are they in short lengths of various thicknesses? Solid in one  
Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes and are the rivet heads well and sufficiently countersunk in the outer plate? All through  
Are there any rivets which either break into or have been put through the seams or butts of the plating? A few in butts

Her Masts, Bowsprit, Yards, &c., are in Good condition, and sufficient in size and length. (If they are of Iron or Steel give the 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 rivetting, quality of Materials, and if stamped with Maker's name.)

She has SAILS.	CABLES, &c.	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	N <sup>o</sup> .	Weight. Ex. Stock.	Test as per Certificate.	Wght req'd per Rule.	Test req'd per Rule.
Fore Sails,	Chain .....	105	1 7/16	25-10-"	1 7/16	22 3/4	Bowers .....	3	12-0-21	14-0-0-0	10-4-4	12-4-4
Fore Top Sails,		105	1 7/16	22-15-"	1 7/16	22 3/4			10-0-9	12-1-2-4	10-4-4	12-4-4
Fore Topmast Stay Sails	Heaven Stream Cable	90	10 1/16		10 1/16				8-2-0	10-12-2-4	8-2-4	10-12-4
Main Sails,	Hawser .....	90	5 1/2		5 1/2		Stream .....	1	4-3-4		4-3-4	
Main Top Sails,	Towlines .....	90	7 1/4		7 1/4							
and	Warp .....	160					Kedges .....	2	2-1-8		2-1-8	
	All of <u>Good</u> quality.								1-0-1		1-0-1	

Her Standing and Running Rigging Wire & Hemp sufficient in size and Good in quality.

She has Two Good Long Boat and

The present state of the Windlass is Teak - Capstan One of Iron and Rudder Good Pumps 2 of Metal 6 in.

Order for Special Survey DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought  
No. 321 Surveys held 2nd. On the plating during the progress of rivetting  
Date 10th June 1869 while building 3rd. When the beams were in and fastened, and before the decks were laid  
Order for Ordinary Survey as per 4th. When the ship was complete, and before the plating was finally coated  
No. \_\_\_\_\_ Section 18. 5th. After the ship was launched

State if she has a Spar Deck \_\_\_\_\_ Poop \_\_\_\_\_ or Forecastle Raised Deck

General Remarks, Has a raised deck aft. Frames all to the top height. Beams same as main deck, Stinger plates on beam ends 15 1/2 x 7/16, Angles on S. 3 x 3 x 7/16, Tie plates 9 x 7/16, Plating outside 7/16 Waterways 5 x 10 P. Pine & G. Oak. Deck 2 1/2 x 1/4 Pine.

Withy Alexander & Co.

In what manner are the surfaces preserved from oxidation? Inside Flat cemented with Portland cement, other  
Ditto ditto Outside parts with Paint.

I am of opinion this Vessel should be Classed A

The amount of the Fee ..... £ 3 : 0 : 0 is received by me,

Oct 1869 Special ..... £ 14 : 2 : 0

Certificate (if required) ..... £ \_\_\_\_\_

Committee's Minute 15th October 1869

Character assigned B

Lloyd's Register  
Foundry