

# IRON SHIPS.

Rec. 23/3/65

No. 2426 Survey held at West Hartlepool Date First Survey 1st Sept 1864 Last 16th March 1865  
 on the Ship "Magpie" Master S. G. Smith  
 Tonnage, under tonnage deck 1444.20 Built at West Hartlepool When built 1865 Launched 20th Jan  
 Ditto of poop or spar deck 13.00 By whom built Pile Spence & Co Owners McKinnon & Co.  
 Ditto of engine room 63.90 Port belonging to Liverpool Destined Voyage India  
 Total Register tonnage 1521.34 Surveyed while Building, Afloat, or in Dry Dock While building

Length aloft		Extreme Breadth		Depth from top of Upper Deck Beam to top of Floor		Power of Engines		Horse.		No. of Decks																																																																																																																																																																																																																																																																																																																									
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Dimensions of Ship per Register, length <u>23.2</u> breadth <u>37.1</u> depth <u>23.5</u>																																																																																																																																																																																																																																																																																																																																			
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" Edges of Sheerstrake, double or single rivetted? At upper edge <u>Single to bulwark</u> At lower edge <u>Double</u>																																																																																																																																																																																																																																																																																																																																			
" Butts from bilge to planksheers, worked carvel with butt straps (10 x 13/16) thick, double or single rivetted; with rivets (7/16 in.) diameter, averaging (2 3/4 ins.) apart. Breadth of laps in double rivetting (5 ) Breadth of laps in single rivetting ( <u>none</u> )																																																																																																																																																																																																																																																																																																																																			
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? <u>Double</u>																																																																																																																																																																																																																																																																																																																																			
Planksheer, how secured to the plating of the sides Explain by sketch																																																																																																																																																																																																																																																																																																																																			
Waterway " " planksheer and to the Beams if necessary. } <u>Gutter waterway, at fore end Gut. &amp; S.B.</u>																																																																																																																																																																																																																																																																																																																																			
Deck Beams, how secured to the side? <u>Beam ends turned &amp; knees welded</u>																																																																																																																																																																																																																																																																																																																																			
Hold or Lower Deck ditto <u>Same as Deck</u>																																																																																																																																																																																																																																																																																																																																			
Paddle " " No. of breasthooks <u>five</u> crutches <u>three</u>																																																																																																																																																																																																																																																																																																																																			
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c. <u>Good</u>																																																																																																																																																																																																																																																																																																																																			
Manufacturer's name or trade mark <u>Bolton &amp; Co. Shotby, Scotland</u> <u>Stopkin &amp; Beddington</u>																																																																																																																																																																																																																																																																																																																																			
We certify that the above is a correct description of the several particulars therein given.																																																																																																																																																																																																																																																																																																																																			
Builder's Signature <u>Pile Spence &amp; Co</u> Surveyor's Signature <u>S. G. Smith</u>																																																																																																																																																																																																																																																																																																																																			

IRON 435-0187



4032 *Iron*

**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 in double rivetted edges and butts, and at least three and a quarter times the diameter of the rivets where single rivetting is admitted? *Yes*

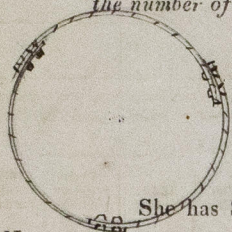
Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *They do*

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 length*

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 holes 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, &amp;c.

ANCHORS, and their weights.

Fore Sails,  
Fore Top Sails,  
Fore Topmast Stay Sails,  
Main Sails,  
Main Top Sails,

Chain .....  
~~Hemp~~ Stream Cable .....  
Hawser .....  
Towlines .....  
Warp .....  
All of *Good* quality.

Fathoms.	Inches.	Tested to Tons.
300	17/0	63/4
90	1	10
90	9	
90	11	
100	7	
100	5	

Bowers, *Hotmans Patent* (Ex Stock) No. 3 Weight. 1/4.10 Tested to 31.17.0  
1.14.10 31.16.1  
1.9.1-20.1-1  
Stream, ..... 1 13.1.16  
Kedges, ..... 1 6.3.12  
1 3.0.11

Her Standing and Running Rigging *One Hemp & Manila* sufficient in size and *Good* in quality.

She has *One* Long Boat and *Life B. Cutter & Gig*

The present state of the Windlass is *Seak* Capstan *3 of Iron* and Rudder *Good* Pumps *3 of Iron & two of brass*

Order for Special Survey DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought  
No. *210* Surveys held 2nd. On the plating during the progress of rivetting  
Date *Sept 10/64* 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

*Special Survey*  
*Seen twice each*  
*week during progress*  
*of building*

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

General Remarks, *Was a forecastle with a deck house off, forecastle framed all to the top heights. Beams 7 x 0/16 built plates double angle iron on top edge 3 1/2 x 3 x 7/16. Plating 6/16 single rivetted at edges double at butts 3/4 rivets spaced 2 3/4 in. Waterways 6 x 12. Greenheart & Seak. Deck 3 in Cy. Pine.*

*Intercostal Nelson fitted on each side of the middle line plates 2 1/2 x 1 1/16 double angle Irons 5 x 4 x 10/16*

*File Spencer &c.*

In what manner are the surfaces preserved from oxidation? Inside *Plat cemented other parts coated with paint*

Ditto

ditto

Outside *With paint & McInnes composition*

I am of opinion this Vessel should be Classed *A1*

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

*McH MG* Special ..... £ 76 : 1 : 0

Certificate (if required) ..... £ : :

Committee's Minute *24<sup>th</sup> March* 18*63*

Character assigned *A1*

*W.H. A & C. E*

*I am of opinion this sailing ship of 200 tons is eligible for classing as recommended by the Committee are satisfied with the size of main piece of timber which is not equal to Kelly for Great London*

*March 23/63*

*Lloyd's Register Foundation*