

# IRON SHIPS.

No. 9225 Survey held at Wunderland Date January 29th 1860  
 on the Barge "Ganymode" Master Bulley  
 Tonnage under tonnage deck 582.54 Built at Wunderland When built 1857/1858 Launched 9th Jan 1860  
 Ditto of poop or spar deck  
 Ditto of engine room  
 By whom built John W. Dwyford Owners Wm. Jackson & Co.  
 Total Register tonnage  
 Gross Tonnage 568  $\frac{62}{100}$  568.62 Port belonging to Liverpool Destined Voyage  
 If Surveyed while Building, Afloat, or in Dry Dock Under building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.	Nº. of Decks	
Length aloft	65		20	0		10	0				One	
(Dimensions of Ship per Register, length <u>67</u> breadth <u>20.65</u> depth <u>14.45</u> )												
Keel, if bar iron, depth and thickness	7 x 2 1/2		Inches in Ship.		Inches required per Rule.							
„ if plate iron, breadth and thickness	7 x 2 1/2		7 x 2 1/2		7 x 2 1/2							
Stem, if bar iron, moulding and thickness	7 x 2 1/2		7 x 2 1/2		7 x 2 1/2							
„ if plate iron, breadth and thickness	7 x 2 1/2		7 x 2 1/2		7 x 2 1/2							
Stern-post, if bar iron, moulding and thickness	7 x 2 1/2		7 x 2 1/2		7 x 2 1/2							
„ if plate iron, breadth and thickness	7 x 2 1/2		7 x 2 1/2		7 x 2 1/2							
Distance of Frames from moulding edge to moulding edge, all fore and aft	21		21		21							
Frames, Size of Angle Iron, single or double	3 1/2 x 3		3 1/2 x 3		3 1/2 x 3							
„ Reversed Iron, if to every frame or every alternate frame	to upper part of Bilge and to deck beam		to upper part of Bilge and to deck beam		to upper part of Bilge and to deck beam							
Floors, depth and thickness of Floor Plate at mid line	19		19		19							
„ Ditto ditto at Bilge Keelson	9		9		9							
„ Size of Reversed Angle Iron, and No. at top of Floor Plate	3 1/2 x 3		3 1/2 x 3		3 1/2 x 3							
Beams, Deck (Nº. 1) double Angle Iron, Plate, Tee, or Bulb Iron	7 x 7		7 x 7		7 x 7							
„ „ double or single Angle Iron, on upper edge	2 3/4 x 2 1/2		2 3/4 x 2 1/2		2 3/4 x 2 1/2							
„ „ average space between	on every alternate frame		on every alternate frame		on every alternate frame							
„ Hold, or Lower Deck (Nº. 34) double Angle, Tee, Plate, or Bulb Iron	7 x 7		7 x 7		7 x 7							
„ „ double or single Angle Iron on upper edge	2 3/4 x 2 1/2		2 3/4 x 2 1/2		2 3/4 x 2 1/2							
„ „ average space between	on alternate frames		on alternate frames		on alternate frames							
„ Paddle, sided and moulded, thickness of Plate size of Angle Iron	1 1/2 x 3		1 1/2 x 3		1 1/2 x 3							
„ Engine												
Keelson, single or double plate, box, or intercostal	standing upon floor		standing upon floor		standing upon floor							
„ Size of Plates	18 x 11		18 x 11		18 x 11							
„ Size of Angle Irons	4 1/2 x 3		4 1/2 x 3		4 1/2 x 3							
„ Side, single or double, plate, box, or intercostal	4 1/2 x 3		4 1/2 x 3		4 1/2 x 3							
„ Bilge (Nº. 1) at each Bilge, single, or double, plate, or box	4 1/2 x 3		4 1/2 x 3		4 1/2 x 3							
Transoms, material of iron or, if none, in what manner compensated for.												
Knight-heads, and Hawse Timbers	none											
The Frames extend in one length from	Keel to Gunwale											
The reverse angle irons on the floors extend in one length across the middle line from	to upper part of Bilge on every frame											
„ „ „ on the frames „ „ „ from	and to the main deck stringer on alternate frames											
Keelson, how are the various lengths of plates or angle irons connected?	with butt straps, and butts properly shifted											
Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets ( 1/2 ins.) diameter, averaging ( 3 1/2 ins.) apart.												
„ Edges from Garboards to upper part of bilge, worked clench, double or single rivetted; with rivets ( 3/4 in.) diameter, averaging ( 3 ins.) apart.												
„ Butts from Keel to turn of bilge, worked carvel with butt straps ( 1 1/2 x 10 ) thick, double or single rivetted; with rivets ( 3/2 in.) diameter, averaging ( 3 1/2 ins.) apart.												
„ Edges from bilge to sheerstrake, worked carvel with a lining piece ( ) thick, or clench, double or single rivetted; with rivets ( 3/4 in.) diameter, averaging ( 3 ins.) apart.												
„ Edges of Sheerstrake, double or single rivetted? At upper edge and At lower edge												
„ Butts from bilge to planksheers, worked carvel with butt straps ( 10 x 9 x 10 ) thick, double or single rivetted; with rivets ( 3/4 in.) diameter, averaging ( 3 ins.) apart. Breadth of laps in double rivetting ( 5 in ) Breadth of laps in single rivetting ( 3 in )												
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?												
Planksheer, how secured to the plating of the sides	Explain by sketch Rivetted through the angle iron on beams, and through the lower stringer -											
Waterway „ „ planksheer and to the Beams	if necessary.											
Deck Beams, how secured to the side?	The ends turned down and rivetted to the frames											
Hold or Lower Deck ditto	The same as above											
Paddle „ „	No. of breasthooks Four crutches Four											
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.?	Frames & other angle											
Manufacturer's name or trade mark	Wm. Hopkins & Co. Rotherham Malleable Iron Co.											
We certify that the above is a correct description of the several particulars therein given.												
Builder's Signature	John William Dwyford					Surveyor's Signature					Thomas Lawrence	



6022. 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? They are

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 with single pieces

Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? They do and are the rivet holes well and sufficiently countersunk in the outer plate? Yes

Are there any rivets which either break into or have been put through the seams or butts of the plating? very few

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.

*The Bowsprit, Fore Mastmasts and lower Yards, are of iron - sketch of which is herewith forwarded. See letter annexed.*  
*\* See extract from Mr. Martell's letter dated Feb 7 1868 annexed*

N <sup>o</sup> .	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.	W'ght req'd per Rule.	Test req'd per Rule.
2	Fore Sails,	Chain .....	270	1 7/8	37 1/2	1 7/8	37 1/2	Bowers .....	1	18.1.26	19.8.3.0	18.0.0	19.8.3.6
2	Fore Top Sails,								1	18.1.8	19.6.2.7	18.0.0	19.6.2.7
2	Fore Topmast Stay Sails	Hempen Stream Cable	80	8 1/2					1	15.2.22	17.3.0.16	15.1.6	17.3.0.16
2	Main Sails,	Hawser Chain .....	80	1 3/16				Stream .....	1	8.0.22			
2	Main Top Sails,	Towlines .....	80	6									
	and spare sails.	Warp .....	80	5				Kedges .....	1	4.0.21			
		All of good quality.							1	2.0.7			

Her Standing and Running Rigging of fine hemp sufficient in size and good in quality.

She has One Long Boat and two others

The present state of the Windlass is new Capstans two and Rudder & Patent Pumps good & efficient,

Order for Special Survey DATES of  
 No. 1981 Surveys held  
 Date June 29/67 while building  
 Order for Ordinary Survey as per  
 No.      Section 18.  
 Date      5th. After the ship was launched

State if she has a Spar Deck No Peep Quarter Deck or Forecastle

#### General Remarks,

*Selecting certificates of the Chain cables and anchors, issued from the Sunderland Public Testing House, and signed by Mr. John Thompson, have been produced.*  
 1868.

In what manner are the surfaces preserved from oxidation? Inside With Cement from Bridges to keel and other surfaces  
 Ditto ditto Outside and inside with Red Lead Paint

I am of opinion this Vessel should be Classed A 1

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

Jan: W. M. G. Special .....£ 29 : 2 : :  
 Certificate (if required) .....£ : : : :

Committee's Minute of 4 February 18 68

Character assigned A 1  
A & C P

*Thomas Lawrence*

*I am of opinion this  
 Barge under  
 is eligible for  
 as recommended  
 1868*

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