

IRON SHIPS.

No. 10186 Survey held at Newcastle Date 17th May 1866 to 7th Feb^r 1867
 on the S.S. "Valdemar" Master J. Cook
 Tonnage under tonnage deck 646.31 Built at Newcastle When built 1866 Launched 23rd Nov^r 1866
 Ditto of poop or spar deck
 Ditto of engine room 206.82 By whom built A. Leslie & Co Owners A. Leslie
 Total Register tonnage 439.49
 Gross Tonnage 646.31 Port belonging to London Destined Voyage Copenhagen

Surveyed while Building, Afloat, or in Dry Dock While 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.	N ^o . of Decks
	209	5		28	25		15	0	90		one
Dimensions of Ship per Register, length 209.5 breadth 28.25 depth 14.85											
Keel, if bar iron, depth and thickness	Inches in Ship.		Inches required per Rule, for 600 tons Scale.								
" if plate iron, breadth and thickness	7 x 2 3/4		7 x 2 3/4								
Plating, if bar iron, moulding and thickness	7 x 2 3/4		7 x 2 3/4								
" if plate iron, breadth and thickness	8 5/8 x 4 1/2		7 x 5 1/2								
Turn-post, if bar iron, moulding and thickness											
" " if plate iron, breadth and thickness											
Distance of Frames from moulding edge to moulding edge, all fore and aft	21		21								
	Inches. In Ship.	Inches. In Ship.	16ths. In Ship.	Inches. required per Rule.	Inches. required per Rule.	16ths. required per Rule.					
Frames, Size of Angle Iron, single or double	4	3	7/16	4	3	7/16					
" " Reversed Iron, if to every frame or every frame	3	2 3/4	9/16	3	2 3/4	9/16					
Floors, depth and thickness of Floor Plate at mid line	1 1/4	9/16	7/16	1 1/4	9/16	7/16					
" Ditto ditto at Bilge Keelson	9/16	"	"	"	"	"					
" Size of Reversed Angle Iron, and No. 1 at top of Floor Plate	3	2 3/4	9/16	3	2 3/4	9/16					
Beams, Deck (N ^o . 45) double Angle Iron, Plate, Tee, or Bulb Iron	-	7	7/16	-	7	7/16					
" " double or single Angle Iron, on top edge	2 1/2	2 1/2	9/16	2 1/2	2 1/2	9/16					
" " average space between	3 feet		6 inches								
" Hold, or Lower Deck (N ^o . 28) double Angle, Tee, Plate, or Bulb Iron	-	7	7/16	-	7	7/16					
" " double or single Angle Iron on top edge	3	2 3/4	9/16	3	2 3/4	9/16					
" " average space between	2 1/4		4 frames								
" Paddle, sided and moulded, thickness of Plate size of Angle Iron	alternately		3								
" Engine " " " " " "											
Keelson, single or double plate, box, or intercostal	-	22	9/16	-	22	9/16					
" Size of Plates Bulb iron	7		7/16								
" Size of Angle Irons	4 1/2	3 1/2	7/16	4 1/2	3 1/2	7/16					
" Side, single or double, plate, box, or intercostal	4 1/2	3 1/2	7/16	4 1/2	3 1/2	7/16					
" Bilge (No. 1) at each Bilge, single, or double, plate, or box	4 1/2	3 1/2	7/16	4 1/2	3 1/2	7/16					
Bulb iron between 7 x 7/16 for 105 feet											
Transoms, material plate or, if none, in what manner compensated for.											
Knight-heads, and Hawse Timbers	Plate										
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 Hold to beam three plates, and on											
" " " on the frames " " " from to alternately frames to main deck											
Keelson, how are the various lengths of plates or angle irons connected?	by butt straps										
Plates, Garboard, double or rivetted to keel, double or and at upper edge, with rivets (1/8 x 7/16 ins.) diameter, averaging (4 x 3 in.) apart.											
" Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 3/4 ins.) apart.											
" Butts from Keel to turn of bilge, worked carvel with butt straps (10 to 9/16) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 3/4 ins.) apart.											
Do the butt straps lap over and rivet through the lands of the strake below?											
" Edges from bilge to sheerstrake, worked carvel with a lining piece () thick, or clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 3/4 in.) apart.											
Do the butt straps lap over and rivet through the lands of the strake below?											
" Edges of Sheerstrake, double and single rivetted? At upper edge single At lower edge double											
" Butts from bilge to planksheers, worked carvel with butt straps (9/16 x 7/16) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 3/4 ins.) apart. Breadth of laps in double rivetting (4 1/2 x 4 1/2) Breadth of laps in single rivetting ()											
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?	double rivetted										
Planksheer, how secured to the plating of the sides											
Waterway " " planksheer and to the Beams	Gutter Waterway										
Deck Beams, how secured to the side?	Bracket ends										
Hold or Lower Deck ditto	d ^o										
Paddle " " " " " "											
No. of breasthooks	4										
crutches	4										
What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.?											
Manufacturer's name or trade mark	Plate, beams and angle iron, marked, "Palmer's best Sarnov"										
We certify that the above is a correct description of the several particulars therein given.											
Builder's Signature	A. Leslie & Co										
Surveyor's Signature	J. Harding										

5326 Lm

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? 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? Yes 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? a 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.

Lloyd's "Proving house"						"Staffordshire" Proving house					
She has SAILS.						ANCHORS, tested at					
No.	CABLES, &c., tested at	No. on Chain seen by me.	No. and date on Certificate	Fathoms.	Inches.	Tested to. Tons.	No.	No. on Anchor seen by me.	No. and date on Certificate.	Weight. Ex. stock.	Tested to. Tons.
Fore Sails,	Chain	1832	1832. 27.12.66	240	1 3/8	34.0.0.0	Bowers	1	2885	2885-22.11.66	17.1.14
Fore Top Sails,	Hemp							1	2883	2883-22.11.66	16.3.0
Fore Topmast	Stream Cable			60	3/4			1	2884	2884-22.11.66	14.2.23
Stay Sails,	Hawser			90	8 1/2		Stream	1			4.1.25
Main Sails,	Towlines			90	6						3.2.21
Main Top Sails,	Warp			90	4		Kedges	1			1.3.21
and	All of <u>good</u> quality.										
Her Standing and Running Rigging						is <u>good</u> sufficient in size and <u>good</u> in quality.					
She has <u>two life</u> Long Boat and <u>two others</u>											
The present state of the Windlass is <u>good</u> Capstan <u>good</u> and Rudder <u>good</u> Pumps <u>4 deck, Main engine & donkey</u>											

Order for Special Survey DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought
No. 568 Surveys held 2nd. On the plating during the progress of rivetting
Date 20 March 1866 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
Date
State if she has a Spar Deck raised quarter Peep deck 13 ft or Forecastle 35 feet

General Remarks,

This Vessel was plated under survey of the late Mr Tiltman, she is similar in all respects to the "Anglo Dane", report No 10047 and Classed A 1.

In what manner are the surfaces preserved from oxidation? Inside Cement and Paint
Ditto ditto Outside Paint

I am of opinion this Vessel should be Classed A 1
The amount of the Fee£ 5 : : is received by me,
John W. H. Special£ 22 : 6 :
Certificate (if required)£ 4 : : :

Committee's Minute 12th February 1867
Character assigned A 1

Handwritten signatures and stamps:
- Harding
- John W. H.
- Committee's Minute
- Character assigned
- Lloyd's Register Foundation logo and text.

Vertical handwritten note on the left margin:
"H. Moore & Co. 10, Abchurch Lane, London E.C. 4."