

IRON SHIPS.

No. 1573 Survey held at Leith Date 24 May 1847
 on the Iron Clipper Prince of Wales Master John Jordan
 Tonnage 178 Built at Aberdeen When built 1845
 By whom built William Simpson & Co. Owners London & Leith Old Shipping Co.
 Port belonging to Leith Destined Voyage London
 If Surveyed Afloat or in Dry Dock Aground

Length aloft	Feet. <u>112</u> Inches.	Extreme Breadth	Feet. <u>22</u> Inches. <u>7</u>	Depth of Hold	Feet. <u>12</u> Inches. <u>6</u>
Scantlings.		Thickness of Plating, &c.			
Distance of Ribs amidships	<u>24</u> Inches.	Outside.		Inside.	
Ditto ditto forward and aft	<u>24</u> Inches.	Keel Strake	<u>2 1/2</u> Inches.	Bilge Planks	<u>2 1/2</u> Inches.
Floors, Size of Angle Iron	<u>3 1/2</u> by <u>2 1/2</u> Inches.	Keel to Bilge	<u>1 1/2</u> Inches.	Ceiling in Flat	<u>2 1/2</u> Inches.
Ditto Plate	<u>5 1/2</u> " "	Bilge	<u>1 1/2</u> Inches.	Ditto Bilge to Clamp	<u>2</u> Inches.
Ribs, Size of Angle Iron	<u>3 1/2</u> " <u>2 1/2</u> Inches.	Bilge to Wales	<u>1 1/2</u> Inches.	Hold Beam Clamps	<u>2</u> Inches.
Deck Beams, Double or Single Angle Iron	<u>2 1/2</u> " <u>2 1/4</u> Inches.	Wales	<u>1 1/2</u> Inches.	Deck Beam Clamps	<u>2</u> Inches.
N ^o . <u>18</u> Plate	<u>8</u> " <u>5 1/2</u> Inches.	Topsides	<u>3 1/2</u> Inches.	Ceiling 'tween Decks	<u>2</u> Inches.
Hold Beams, Double or Single Angle Iron	" "	Sheerstrakes	<u>1 1/2</u> Inches.	Hold Beam Shelves	<u>3 1/2</u> Inches.
N ^o . <u>2</u> Plate	" "	Plank-sheers	<u>3</u> Inches.	Deck Beam Shelves	" "
Paddle Beams	" "	Waterways	<u>4</u> Inches.	Lower Deck	" "
Keel	<u>6</u> " <u>2 1/4</u> Inches.	Upper Deck	<u>3</u> Inches.	Ditto Waterways	" "
Kelson, Iron or Wood <u>Unobtainable Iron</u>	<u>8</u> " <u>14 3/8</u> Inches.				

Power of Engines

Framing.—The Space between the Floors in this Vessel is 23 Inches. The Space between the Ribs above the Bilge is 14 Inches.
 The Stem, Stern Post, are composed of Unobtainable Iron 5 x 2 1/2 ground for Plates with Double Row of Rivets (Describe how formed.)
 The Transoms, Knight Heads, Hawse Timbers, of English Oak and are free from all defects.
 The Floors are composed of Angle and Plate Iron, (Describe by sketch.)
 The Ribs of Angle Iron and extend in one length from the Keel to Gunwale and are rivetted through the bottom plates with a 7/8 inch rivet every 6 inches. (Describe whether the Angle Iron is double or single.)
 The Main Kelson is composed of Plate 8 inches by 14 inches, and secured to the Floors with a 7/8 Bolt through every Floor.
 (If wood Kelson, state the length of the Scarphs, and what other Kelsons or Engine Sleepers, their number, size, arrangement, and material.)

Plating Outside.—From the Keel to the Bilge 1 1/2 at the edges, double rivetted, with 7 rivets of 7/8 inch diameter in each foot in length. The Butts of the Plates are Flush with Welting pieces inside and double rivetted (Describe whether edges & butts are lapped or flush, & whether double or single rivetted.)
 From the Bilge to the Light Water Mark 7/8 at the Edges, double rivetted, with 7 rivets of 7/8 inch diameter in each foot in length. The Butts of the Plates are Flush with Welting pieces inside and double rivetted
 From the Light Water Mark to the Wales, 7/8 at the Edges, single rivetted, with 4 rivets of 3/4 inch diameter in each foot in length. The Butts of the Plates are Flush
 The Wales are of 7/8 Plates overlapped at the Edges, single rivetted with 4 rivets of 3/4 inch diameter in each foot in length. The Butts of the Plates are Flush with Welting pieces inside double rivetted
 The Topsides are of 3/8 Plates The Sheer-strakes are of 7/8 Plates 10 feet long
 The Plank-sheers are of 3 Inch English Oak secured to the Plating of the Side with 2 1/2 x 2 1/2 Angle Iron
 (Describe either in words or by a sketch the mode of connexion.)
 The Waterways are of Quartzite Fir and secured with 3/4 inch Bolts Vertically and Horizontally
 (Describe the mode of securing them to the Beams, &c.)
 The Decks are of 3 Inch Yellow Pine Secured to the Beams by Screw Bolts 1/2 inch thick
 State of the Decks best order

Planking Inside.—Flat of Ceiling is composed of 2 1/2 inch American Elm Bilge Planks of American Elm
 Ceiling from Bilge to Hold Beams of Baltic Fir Between Decks of Baltic Fir
 Shelf Pieces of 3/8 Plates and secured to the Frame and Outside Plating by Angle Iron 3/4 x 2
 Clamps of and secured to the Frame and Plating by

Fastenings.—To Hold Beams 2 Water Tight Bulk heads 3/8 thick well secured to the sides
 Deck Beams Plate and Angle Iron Paddle Beams
 Number of Breasthooks of Plate Iron
 Pointers Plate Iron Crutches 4 abaft
 The quality or description of Iron used for Ribs best Monkland
 Ditto ditto Plating best Monkland
 General Quality of Workmanship Very good (Describe in words or by sketches the different fastenings.)

We certify that the preceding is a correct description of the above-named Vessel,

Builder's Name Surveyor's Name Walter Wilson

Her Masts, Yards, &c. are in best condition, and sufficient in size and length.

She has SAILS.			CABLES, &c.		ANCHORS, and their weights.	
N ^o .		Fathoms.		Inches.	N ^o .	
1	Squarsail					
2	Fore Sails,	180	Chain	1 1/4	2	Bower, 10 1/2 - 10 1/2 <i>cut</i>
2	Fore Top Sails,	75	Hempen Stream Cable	6 1/2	1	Stream, 4 1/2 "
2	Fore Topmast Stay Sails,	80	Hawser	5 1/2	1	Kedge, 2 1/2 "
1	Main Sails,	80	Towlines	4 1/2		
	Main Top Sails, <i>Trysail</i>	80	Warp	3 1/2		
and			All of <u>best</u> quality.			

Her Standing and Running Rigging is all sufficient in size and best Patent in quality.

She has one Long Boat and

The present state of the Windlass is Strong ^{Double Winch} ~~Capstan~~ and Rudder Strong and well hung

General Remarks—Statement and Date of Repairs.

This is a strong, and excellent vessel, built on the most approved plan under the inspection of Mr. Robertson, she is abundantly supplied with all stores, she was not classed at first, the company being under the impression that Iron Ships, would not be entitled to A1.

I am of opinion this Vessel should be Classed A1

The Amount of the Fee.....£ 2 : " : " is received by me, *Walter Burton*

Special£ : :

Certificate (if required)£ : :

Committee's Minute 8th June 1847

Character assigned A1 *Built of Iron*



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