

# IRON SHIPS.

3309

Rev 22/9/63

No. 1213 Survey held at Stanley Date 27th Nov 1863  
 the Iron "Premier" Master Morgan Morgan  
 Tonnage Gross Engine Room Register 220 <sup>49</sup>/<sub>100</sub> Built at Stanley  
 When Built 1863 Launched 17th July By whom built W. H. Nevill  
 Owners Stanley Iron Shipping Co. Limited Port belonging to Stanley Destined Voyage Librarian  
 Surveyed Afloat or in Dry Dock Whilst Building

Length aloft		Feet.	Inches.	Extreme Breadth		Feet.	Inches.	Depth from top of Upper Deck		Feet.	Inches.	Beam to top of Floor		Feet.	Inches.	Power of Engines		Horse.
117		117	7/8	23		23	9/16	12		12	7/8	12		12	7/8			
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft				Inches in Ships.		Inches required per Rule.		Stem, if bar iron, moulding and thickness				Inches. 16ths. Inches. 16ths.		Inches. 16ths. Inches. 16ths.				
				18		18		6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, Size of Angle Iron, and No. at bottom of Floor Plate				Inches. In Ship.	Inches. In Ship.	16ths. In Ship.	Inches. required per Rule.	Inches. required per Rule.	16ths. required per Rule.	Stern-post, if bar iron, moulding and thickness				Inches. 16ths. Inches. 16ths.		Inches. 16ths. Inches. 16ths.		
				3	2 1/4	7/16	3	2 1/4	7/16	6 2 6 2				6 2 6 2		6 2 6 2		
Transoms, depth and thickness of Floor Plate at mid line				1 1/4	7/16	13	7/16	6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, depth and thickness of Floor Plate at Bilge Keelson				5 1/2	7/16	3		6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, Size of Reversed Angle Iron, and No. 59 at top of Floor Plate				2 1/4	2 1/4	7/16	2 1/4	2 1/4	7/16	6 2 6 2				6 2 6 2		6 2 6 2		
Frames, Size of Angle Iron, single or double				3	2 1/4	7/16	3	2 1/4	7/16	6 2 6 2				6 2 6 2		6 2 6 2		
Transoms, Reversed Iron, if to every frame or every frame				2 1/4	2 1/4	7/16	2 1/4	2 1/4	7/16	6 2 6 2				6 2 6 2		6 2 6 2		
Beams, Deck (N <sup>o</sup> . 29 ) double Angle Iron, Plate, or Bulb Iron				6	7/16	5 1/2	7/16	6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, double or single Angle Iron, on upper edge				2 1/4	2 1/4	7/16	2 1/4	2 1/4	7/16	6 2 6 2				6 2 6 2		6 2 6 2		
Transoms, average space between				3 feet				6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, if wood (N <sup>o</sup> . ) sided & moulded								6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, Hold, or Lower Deck (N <sup>o</sup> . 13 ) double Angle Iron, Plate, or Bulb Iron				6	7/16	5 1/2	7/16	6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, double or single Angle Iron, on upper edge				2 1/4	2 1/4	7/16	2 1/4	2 1/4	7/16	6 2 6 2				6 2 6 2		6 2 6 2		
Transoms, average space between				every 8th frame				6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, if wood (N <sup>o</sup> . ) sided & moulded								6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, Paddle, wood, sided and moulded, or if Iron, size of Plate								6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, Engine								6 2 6 2				6 2 6 2		6 2 6 2				
Keelson, single plate, box, or intercostal								6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, Size of Plates				9	7/16	8 1/2	7/16	6 2 6 2				6 2 6 2		6 2 6 2				
Transoms, Size of Angle Irons				3	2 1/4	7/16	3	2 1/4	7/16	6 2 6 2				6 2 6 2		6 2 6 2		
Ditto Bilge (No. 1/2 pair) angle iron, back to back				3	2 1/4	7/16	3	2 1/4	7/16	6 2 6 2				6 2 6 2		6 2 6 2		
Garboard Plates, Breadth and thickness				Old Lodge				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
From Garboard to upper part of Bilge				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
From upper part of Bilge to Sheerstrakes				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Sheerstrakes, Breadth and thickness				do				3 7/16 2 7/16				3 7/16 2 7/16		3 7/16 2 7/16				
Butt Straps to outside plating, Breadth and thickness				do				8 7/16 7/16				8 7/16 7/16		8 7/16 7/16				
Planksheers see sketch				Material. Iron				18 7/16 17 7/8 7/16				18 7/16 17 7/8 7/16		18 7/16 17 7/8 7/16				
Gunwale Plate or Stringer on ends of Up. Dk Beams				do				3 1/4 7/16 3 1/4 7/16				3 1/4 7/16 3 1/4 7/16		3 1/4 7/16 3 1/4 7/16				
Angle Iron on ditto				do				9 7/16 7/16				9 7/16 7/16		9 7/16 7/16				
Diagonal Tie Plates on Beams				do				18 7/16 2 1/2 7/16				18 7/16 2 1/2 7/16		18 7/16 2 1/2 7/16				
Waterway see sketch				do				2 1/2 7/16 2 1/2 7/16				2 1/2 7/16 2 1/2 7/16		2 1/2 7/16 2 1/2 7/16				
Deck				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Ceiling in Hold				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Ceiling betwixt Decks				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Beam Clamps or Spirketting				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Shelf				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Stringer Plates on ends of Hold or Lower Dk Beams				do				18 7/16 17 7/8 7/16				18 7/16 17 7/8 7/16		18 7/16 17 7/8 7/16				
Ceiling between Decks				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Stringer or Tie Plates outside Hatchways				do				9 7/16 7/16				9 7/16 7/16		9 7/16 7/16				
Deck Beam Clamps or Spirketting				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Shelf				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Stringers in Hold				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Deck, Lower				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Deck, Upper, how fastened to Beams				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				
Bulkheads, N <sup>o</sup> . 2				do				2 7/16 2 7/16				2 7/16 2 7/16		2 7/16 2 7/16				

how secured to the sides of the ship between two frames  
 size of vertical angle iron and their distance apart 2 1/2 x 7/16 - 3 1/2 ft  
 rivetted through plates with ( 1/4 in.) rivets, about ( 6 in.) apart.  
 from 2 1/2 in side keelson to upper part of Bilge & Keelson alternately  
 from 2 1/2 in side keelson to upper part of Bilge & Keelson alternately  
 with butt straps 13 x 7/16  
 ( 1 ins.) diameter averaging ( 3 1/4 in.) from centre to centre of rivet.  
 worked carvel with a lining piece ( 1 in.) thick, or clench, double or single rivetted; rivets ( 1/2 in.) diameter, averaging ( 3 ins.) from centre to centre of rivets.  
 double or single rivetted; rivets ( 1/4 in.) diameter, averaging ( 1 1/2 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes  
 double or single rivetted; rivets ( 1/4 in.) diameter, averaging ( 3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes  
 double or single rivetted?  
 double or single rivetted; rivets ( 1/4 in.) diameter averaging ( 2 1/4 ins.) from centre to centre of rivets. Breadth of laps in double rivetting ( 4 ) Breadth of laps in single rivetting ( )  
 double or single rivetted?  
 Explain by sketch } Planksheer & waterway is secured to sides by angle iron 3 x 2 1/4 x 7/16  
 if necessary. }  
 By beam arms turned down 18 in long taking 4 rivets  
 18 in 18 in 18 in 18 in 18 in  
 how are pointers compensated? by deep floor plates connecting after frames  
 Builder's Signature W. H. Nevill  
 Thomas Congdon  
 IRON 436-10455



3309 Iron

**Workmanship.** Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double rivetted edges and butts, and at least three 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? mostly single pieces  
Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? some holes badly and are the rivet holes well and sufficiently countersunk in the outer plate? Yes some holes badly  
Are there any rivets which either break into or have been put through the seams or butts of the plating? a few

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

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.	
N <sup>o</sup> .			Fathoms. Inches.	N <sup>o</sup> .	Weight.
2	Fore Sails,	Chain .....	180 1 1/2	1	18.1
1	Fore Top Sails,	<del>Hemp</del> Stream Cable .....	90 7/4	1	18.0
2	Fore Topmast Stay Sails,	Hawser <u>Manilla</u> .....	80 6 1/2	1	4.8
1	Main Sails,	Towlines <u>Manilla</u> .....	80 5		
2	Main Top Sails,	Warp .....	80 4	1	2.2
	and all other necessary, sails.	All of <u>good</u> quality.		1	1.1

Her Standing and Running Rigging is sufficient in size and good in quality.

She has one Long Boat and one tolly boat

The present state of the Windlass is good, fitted Capstan Old Barrels and Rudder good Pumps 2 Iron  
with water pump handle. Much

**General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.**

DATES of Surveys held while building, as per Section 17.	1st.	On the several parts of the frame, when in place, and before the plating was wrought	} <u>Specially Surveyed</u>
	2nd.	On the plating during the progress of rivetting	
	3rd.	When the beams were in and fastened, and before the decks were laid	
	4th.	When the ship was complete, and before the plating was finally coated	
	5th.	After the ship was launched	

*This vessel has been specially surveyed whilst building in accordance with request dated 3<sup>rd</sup> Decr 62 and the supplementary surveys have been regularly held.*

*The work is rough and not nicely put out of hand, and some of the filling pieces between frames & outside plates are in more than one thickness, we however consider her a strong ship & are of opinion that, if approved by the Committee the case will be met by the character being reduced to 11 years.*

*The Iron is manufactured by W & A Nevill and stamped "Old Lodge Iron Co"*

*Certificates are produced of Rower and Stream Chains and Rower Anchors having been proved above the Admiralty test by the Chain Maker at Leavelly*

In what manner are the surfaces preserved from oxidation? Portland Cement on the flat, the remainder painted with red lead.

I am of opinion this Vessel should be classed 11 A. 1

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

Special .....£ 11 : : :

Certificate (if required) .....£ : : :

Committee's Minute 22<sup>nd</sup> September 1863

Character assigned Δ 1 for 11 Years

*Wm Johnson*  
*Thomas Conydon*



*The official register for Classification as required by the Act of 1862*  
*Lloyd's Register Foundation*