

3676
IRON SHIPS.

No. ✓ Survey held at Plymouth Date 20th June 1864
on the Steamer Orwell Master _____
Tonnage 146 Built at Blackwall When built 1839
By whom built _____ Owners _____
Port belonging to _____ Destined Voyage _____
Surveyed Afloat or in Dry Dock _____

		Feet.	Inches.			Feet.	Inches.			Feet.	Inches.
Length aloft				Extreme Breadth				Depth of Hold			
Scantlings.				Thickness of Plating, &c.							
				Inches.							
Distance of Ribs amidships						Outside.		Inches.		Inside.	
Ditto ditto forward and aft											
Floors, Size of Angle Iron				Inches. Inches.		Keel to Bilge				Bilge Planks	
Ditto Plate				by		Bilge				Ceiling in Flat	
Ribs, Size of Angle Iron				"		Bilge to Wales				Ditto Bilge to Clamp	
Deck Beams, { Double or Single Angle Iron				"		Wales				Hold Beam Clamps	
N°. .. { Plate				"		Topsides				Deck Beam Clamps	
Hold Beams, { Double or Single Angle Iron				"		Sheerstrakes				Ceiling 'tween Decks	
N°. .. { Plate				"		Planksheers				Hold Beam Shelves	
Paddle Beams				"		Waterways				Deck Beam Shelves	
Keel				"		Upper Deck				Lower Deck	
Kelson, Iron or Wood				"						Ditto Waterways	

Power of Engines _____

Framing.—The Space between the Floors in this Vessel is _____ Inches. The Space between the Ribs above the Bilge is _____ Inches.
The Stem, Stern Post, are composed of _____ (Describe how formed.)
The Transoms, Knight Heads, Hawse Timbers, of _____ 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 _____ to _____ and are rivetted through the bottom plates with
a _____ inch rivet every _____ inches. (Describe whether the Angle Iron is double or single.)
The Main Kelson is composed of _____ inches by _____ inches, and secured to the Floors with a _____ 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 _____ at the edges, _____ rivetted, with _____ rivets of _____ inch diameter in each
foot in length. The Butts of the Plates are _____ (Describe whether edges & butts are lapped or flush, & whether double or single rivetted.)
From the Bilge to the Light Water Mark _____ at the Edges, _____ rivetted, with _____ rivets of _____ inch diameter in each
foot in length. The Butts of the Plates are _____
From the Light Water Mark to the Wales, _____ at the Edges, _____ rivetted, with _____ rivets of _____ inch diameter in each
foot in length. The Butts of the Plates are _____
The Wales are of _____ at the Edges, _____ rivetted with _____ rivets of _____ inch
diameter in each foot in length. The Butts of the Plates are _____
The Topsides are of _____ The Sheer-strakes are of _____
The Plank-sheers are of _____ secured to the Plating of the Side with _____
(Describe either in words or by a sketch the mode of connexion.)
The Waterways are of _____ and secured _____
(Describe the mode of securing them to the Beams, &c.)
The Decks are of _____ Secured to the Beams by _____
State of the Decks _____

Planking Inside.—Flat of Ceiling is composed of _____ Bilge Planks of _____
Ceiling from Bilge to Hold Beams of _____ Between Decks of _____
Shelf Pieces of _____ and secured to the Frame and Outside Plating by _____
Clamps of _____ and secured to the Frame and Plating by _____

Fastenings.—To Hold Beams _____
Deck Beams _____ Paddle Beams _____
Number of Breasthooks _____ of _____
Pointers _____ Crutches _____
The quality or description of Iron used for Ribs _____
Ditto ditto Plating _____
General Quality of Workmanship _____ (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 _____



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IRON 437A-0105

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

3676 Iron

She has SAILS.			CABLES, &c.		ANCHORS, and their weights.	
N ^o .		Fathoms.		Inches.	N ^o .	
	Fore Sails,		Chain			Bower,
	Fore Top Sails,		Hempen Stream Cable			Stream,
	Fore Topmast Stay Sails,		Hawser			Kedge,
	Main Sails,		Towlines			
	Main Top Sails,		Warp			
and			All of _____ quality.			

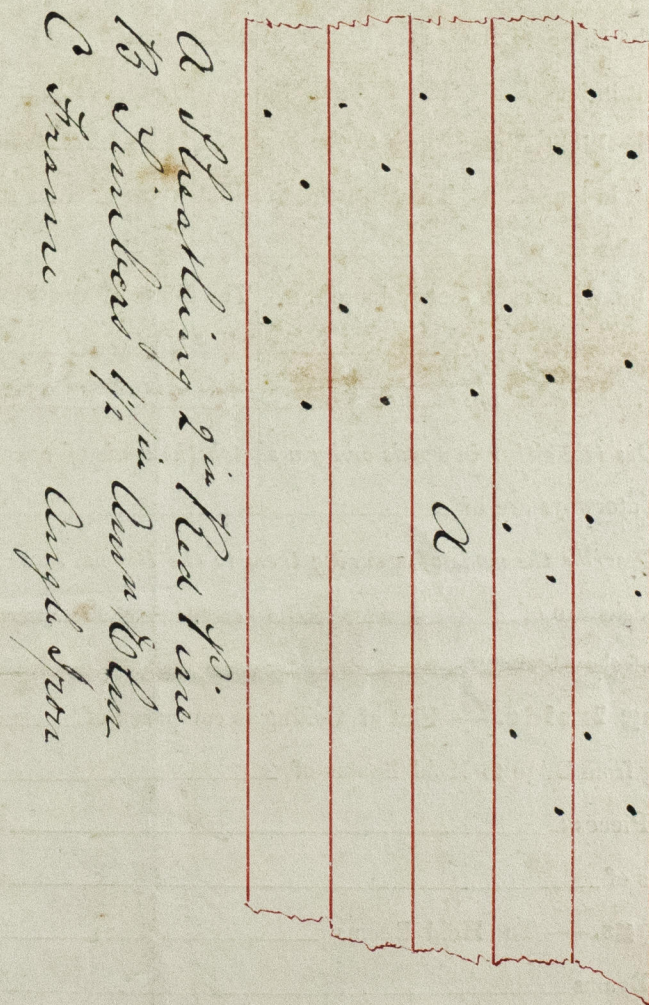
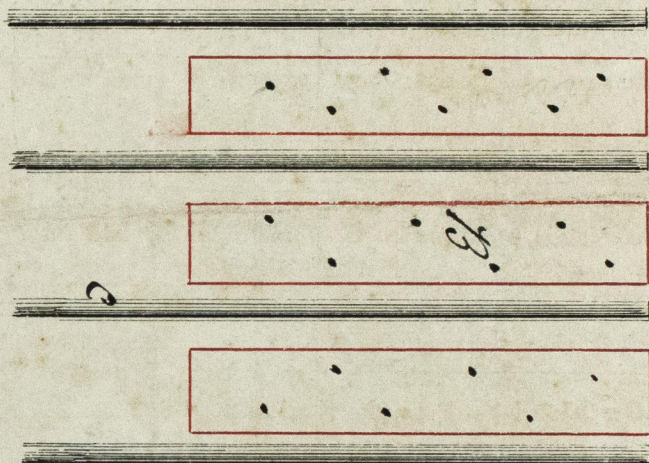
Her Standing and Running Rigging _____ sufficient in size and _____ in quality.

She has _____ Long Boat and _____

The present state of the Windlass is _____ Capstan _____ and Rudder _____

General Remarks—Statement and Date of Repairs.

The Timbers $1\frac{1}{2}$ " Amⁿ Elm were first wrought between the frames, holes were then drilled through the plating as required to fasten on the Sheathing which was next put on and the holes turned through it from the inside and all the parts secured together by screw bolts and nuts. *H. R. Bentley*



I am of opinion this Vessel should be Classed _____

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

Special£ : :

Certificate (if required)£ : :

Committee's Minute _____ 184 _____

Character assigned _____



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