

Surveyed Report 3670
IRON SHIPS.

No. Survey held at Plymouth Date 20th June 1864
 on the Steamer Orwell Master
 Tonnage 144 Built at Blackwall When built 1839
 By whom built Owners
 Port belonging to Destined Voyage
 Surveyed Afloat or in Dry Dock

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth of Hold	Feet.	Inches.																																																																													
<table border="0"> <tr> <td colspan="3">Scantlings.</td> <td colspan="3">Thickness of Plating, &c.</td> </tr> <tr> <td>Distance of Ribs amidships</td> <td colspan="2">Inches.</td> <td rowspan="2">Outside.</td> <td colspan="2">Inside.</td> </tr> <tr> <td>Ditto ditto forward and aft</td> <td>Inches.</td> <td>Inches.</td> <td></td> <td></td> </tr> <tr> <td>Floors, Size of Angle Iron</td> <td>by</td> <td>Inches.</td> <td>Keel to Bilge</td> <td>Bilge Planks</td> <td>Inches.</td> </tr> <tr> <td>Ditto Plate</td> <td>"</td> <td>"</td> <td>Bilge</td> <td>Ceiling in Flat</td> <td>"</td> </tr> <tr> <td>Ribs, Size of Angle Iron</td> <td>"</td> <td>"</td> <td>Bilge to Wales</td> <td>Ditto Bilge to Clamp</td> <td>"</td> </tr> <tr> <td>Deck Beams, { Double or Single Angle Iron</td> <td>"</td> <td>"</td> <td>Wales</td> <td>Hold Beam Clamps</td> <td>"</td> </tr> <tr> <td>N°. .. Plate</td> <td>"</td> <td>"</td> <td>Topsides</td> <td>Deck Beam Clamps</td> <td>"</td> </tr> <tr> <td>Hold Beams, { Double or Single Angle Iron</td> <td>"</td> <td>"</td> <td>Sheerstrakes</td> <td>Ceiling 'tween Decks</td> <td>"</td> </tr> <tr> <td>N°. .. Plate</td> <td>"</td> <td>"</td> <td>Planksheers</td> <td>Hold Beam Shelves</td> <td>"</td> </tr> <tr> <td>Paddle Beams</td> <td>"</td> <td>"</td> <td>Waterways</td> <td>Deck Beam Shelves</td> <td>"</td> </tr> <tr> <td>Keel</td> <td>"</td> <td>"</td> <td>Upper Deck</td> <td>Lower Deck</td> <td>"</td> </tr> <tr> <td>Kelson, Iron or Wood</td> <td>"</td> <td>"</td> <td></td> <td>Ditto Waterways</td> <td>"</td> </tr> </table>									Scantlings.			Thickness of Plating, &c.			Distance of Ribs amidships	Inches.		Outside.	Inside.		Ditto ditto forward and aft	Inches.	Inches.			Floors, Size of Angle Iron	by	Inches.	Keel to Bilge	Bilge Planks	Inches.	Ditto Plate	"	"	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	"
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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



3676 Iron

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

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.

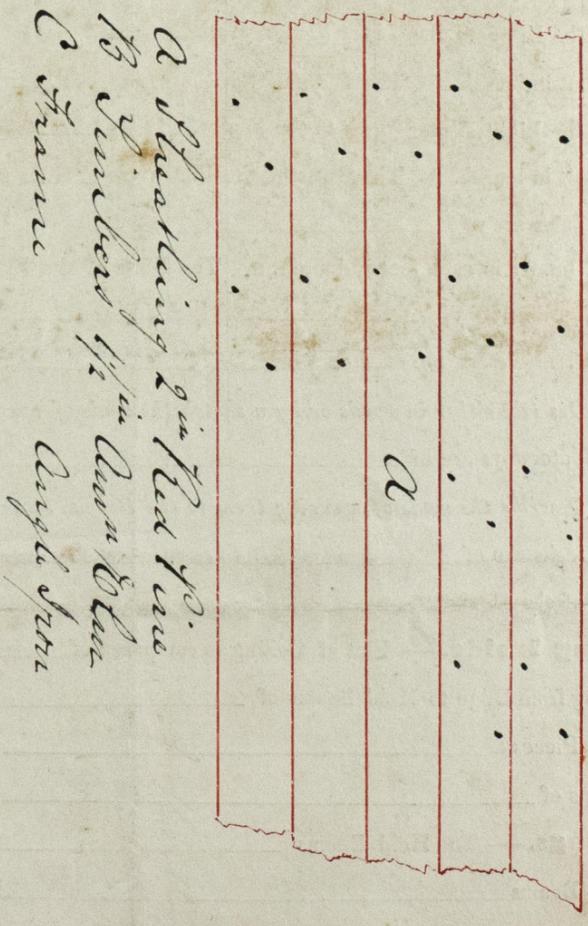
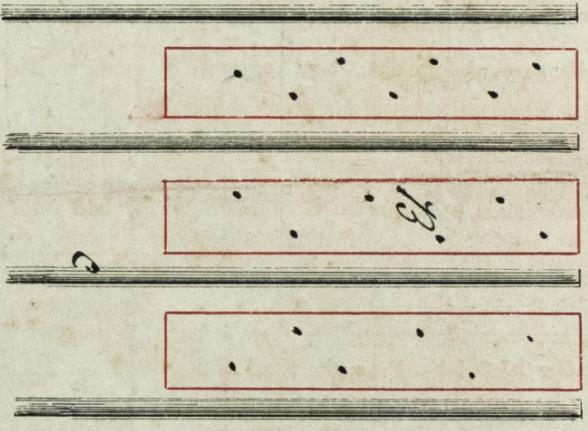
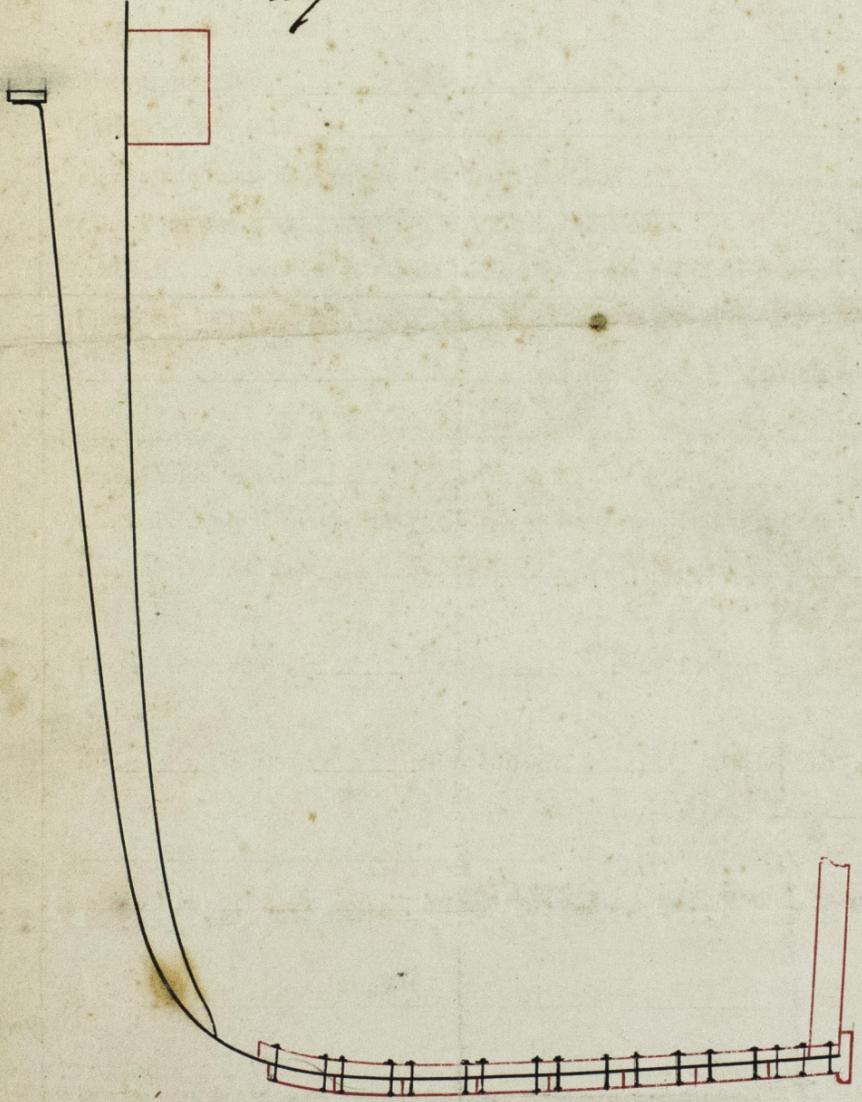
She has _____ Long Boat and _____

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.

M. R. Bentley



*A Sheathing 2 1/2" Red Pine
 73 Timbers 1 1/2" Amⁿ Elm
 2 Frames
 Angled Iron*

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 _____