

## IRON SHIP.

No. 4186 Survey held at Cardiff Date, First Survey June 28<sup>th</sup> Last Survey August 6<sup>th</sup> 1890

On the

TONNAGE under  
Tonnage Deck  
Ditto of Third, Spar,  
or Awning Deck.  
Ditto of Poop, or  
Raised Qr. Dk.  
Ditto of Houses  
on Deck  
Ditto of Forecastle

Gross Tonnage

Less Crew Space

Less Engine Room

Register Tonnage  
as cut on BeamONE, OR TWO DECKED, THREE DECKED VESSEL,  
SPAR, OR AWNING-DECKED VESSEL.

Half Breadth (moulded) .. .. . Feet.

Depth from upper part of Keel to top of Upper Deck Beams

Girth of Half Midship Frame (as per Rule) .. .. .

1st Number .. .. .

1st Number, if a 3-Decked Vessel .. deduct 7 feet

Length .. .. .

2nd Number .. .. .

Proportions— Breadths to Length .. .. .

Depths to Length—Upper Deck to Keel .. .. .

Main Deck ditto .. .. .

Master

Built at

When built

Launched 5 mo

By whom built

Owners

Residence

Port belonging to

Destined Voyage

If Surveyed while Building, Afloat, &amp; in Dry Dock.

LENGTH on deck as per Rule .. Feet. Inches. BREADTH—Moulded... Feet. Inches. DEPTH top of Floors to Upper Deck Beams .. Feet. Inches. Do. do. Main Deck Beams..... Power of Engines ... Horse. N°. of Decks with flat laid N°. of Tiers of Beams

Dimensions of Ship per Register, length, breadth, depth,

KEEL, depth and thickness .. Inches in Ship. X 2 1/2

STEM, moulding and thickness... .. Inches per Rule.

STERN-POST for Rudder do. do. .. X 4

" " for Propeller .. 8 1/4 X 5

Distance of Frames from moulding edge to moulding edge, all fore and aft .. 23

FRAMES, Angle Iron, for 3/4 length amidships .. 3 1/2 X 3 1/6

Do. for 1/2 at each end .. 2 X 2 1/6

REVERSED FRAMES, Angle Iron .. 2 1/2 X 2 1/6

FLOORS, depth and thickness of Floor Plate at mid line for half length amidships .. 21

" thickness at the ends of vessel ..

" depth at 3/4 the half-bdth. as per Rule ..

" height extended at the Bilges... ..

BEAMS, Upper, Spar, or Awning Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron

Single or double Angle Iron on Upper edge .. 4 X 6

Average space... .. 3 X 6

BEAMS, Main, or Middle Deck .. 4 1/2 X 4

Single or d'ble Ang. Iron, Plate or Tee Bulb Iron

Single, or double Angle Iron, on Upper Edge .. 3 X 6

Average space... ..

BEAMS, Lower Deck—

Single or d'ble Ang. Iron, Plate or Tee Bulb Iron

Single or double Angle Iron on Upper Edge .. 18 1/2 X 8

Average space... ..

BEAMS, Hold, or Orlop—

Single or d'ble Ang. Iron, Plate or Tee Bulb Iron

Single or double Angle Iron on Upper Edge .. 4 1/2 X 3 1/4

Average space... ..

KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates .. 18 1/2 X 8

" Rider Plate ..

" Bulb Plate to Intercoastal Keelson .. 4 1/2 X 3 1/4

" Angle Irons ..

" Double Angle Iron Side Keelson ..

" Side Intercoastal Plate ..

" do. Angle Irons ..

" Attached to outside plating with angle iron

BILGE Angle Irons .. 5 X 3 1/8

" do. Bulb Iron... ..

" do. Intercoastal plates riveted to plating for length ..

BILGE STRINGER Angle Irons .. 5 X 3 1/8

Intercoastal plates riveted to plating for length ..

SIDE STRINGER Angle Irons ..

The FRAMES extend in one length from to Riveted through plates with in. Rivets, about apart.

The REVERSED ANGLE IRONS on floors and frames extend middle line to and to alternately

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? And butts properly shifted?

PLATING. Garboard, double riveted to Keel, with rivets in. diameter, averaging ins. from centre to centre.

" Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets in. diameter, averaging ins. from centre to centre.

" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets in. diameter averaging ins. from centre to centre.

" Butts of Strakes at Bilge for length, treble riveted with Butt Straps thicker than the plates they connect.

" Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets in. diameter, averaging ins. from cr. to cr.

" Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets in. diameter, averaging ins. from cr. to cr.

" Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.

" Butts of Main Sheerstrake, treble riveted for length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.

" Butts of Main Stringer Plate, treble riveted for length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.

" Breadth of laps of plating in double riveting Breadth of laps of plating in single riveting

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? No. of Breasthooks, Crutches,

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &amp;c.?

Manufacturer's name or trade mark,

The above is a correct description.

Builder's Signature, Surveyor's Signature

Surveyor to Lloyd's Register of British and Foreign Shipping.

State clearly where plating is of alternate thicknesses—as distinguished from diminished thickness at ends of vessel.

\* If Iron Deck, state if whole or part, and if wood deck is laid thereon.



**Workmanship.** Are the butts of plating planed or otherwise fitted?

Do the edges of the earvel work and of the butts fay close together throughout their length without requiring any making good of deficiencies?

Are the fillings between the ribs and plates solid single pieces?

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other?

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces?

Do any rivets break into or through the seams or butts of the plating?

Masts, Bowsprit, Yards, &c., are \_\_\_\_\_ in \_\_\_\_\_ condition, and sufficient in size and length. If of Iron or Steel give Scantlings  
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 riveting, quality of Material  
and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit

**NUMBER for EQUIPMENT**

N <sup>o</sup> .	SAILS.	CABLES, &c.	Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprntd.	ANCHORS.	N <sup>o</sup> .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Machine where Tested & Suprntd.
		Chain .....						Bower Anchors					
		(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)											
	Fore Sails,	Iron Stream Chain											
	Fore Top Sails,	or Steel Wire ..											
	Fore Topmast	or Hempen Strm }											
	Stay Sails,	Cable .....											
		Towline, Hemp.											
	Main Sails,	or Steel Wire ..						StreamAnchor					
		Hawser .....											
	Main Top Sails,	Warp .....						Kedge ...					
	and	quality						2nd Kedge ...					

Standing and Running Rigging \_\_\_\_\_ sufficient in size and \_\_\_\_\_ in quality. She has \_\_\_\_\_ Long Boat and

The Windlass is \_\_\_\_\_ Capstan \_\_\_\_\_ and Rudder \_\_\_\_\_ Pumps \_\_\_\_\_

**Engine Room Skylights.**—How constructed? \_\_\_\_\_ How secured in ordinary weather?

What arrangements for deadlights in bad weather?

**Coal Bunker Openings.**—How constructed? \_\_\_\_\_ How are lids secured? \_\_\_\_\_ Height above deck?

**Scuppers, &c.**—What arrangements for clearing upper deck of water, in case of shipping a sea?

**Cargo Hatchways.**—How formed?

State size **Main Hatch** \_\_\_\_\_ Forehatch \_\_\_\_\_ Quarterhatch \_\_\_\_\_

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams?

**Hatches, If strong and efficient?**

Order for Special Survey No. \_\_\_\_\_  
Date \_\_\_\_\_  
Order for Ordinary Survey No. \_\_\_\_\_  
Date \_\_\_\_\_  
No. \_\_\_\_\_ in builder's yard.  
State dates of letters respecting this case \_\_\_\_\_

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 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 or cemented..
- 5th. After the ship was launched and equipped

**General Remarks** (State quality of workmanship, &c.)

State if one, two, or three decked vessel, or if spar, or awning decked; and the lengths of poop, bridge, forecastle, or raised quarter deck. (If double bottom, state particulars on separate form)

How are the surfaces preserved from oxidation? Inside \_\_\_\_\_ Outside \_\_\_\_\_

I am of opinion this Vessel should be Classed \_\_\_\_\_

The amount of the Entry Fee .....£ : : is received by me, }  
Special .....£ : : 18 }

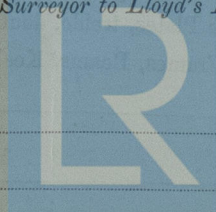
(to be sent as per margin). Certificate ... : :

(Travelling Expenses, if any, £ .....).

Committee's Minute

Character assigned

Surveyor to Lloyd's Register of British and Foreign Shipping.



Lloyd's Register  
Foundation