

IRON SHIP.

(Received at London Office) HURS 7126 1890

No. 4186 Survey held at Cardiff "Date, First Survey June 28th Last Survey August 6th 1890

On the Iron Blythwoode

TONNAGE under Tonnage Deck 949
 Ditto of Third, Spar, or Awning Deck. }
 Ditto of Poop, or Raised Qr. Dk. }
 Ditto of Houses on Deck }
 Ditto of Forecastle }
 Gross Tonnage 1214
 Less Crew Space }
 Less Engine Room }
 Register Tonnage as cut on Beam }

ONE, 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 J. Swinell
Built at W. Harlepool
When built 1890 Launched 5 mo
By whom built Denson Gray & Co
Owners Watts Ward & Co
 Residence
Port belonging to London
Destined Voyage Deeds
If Surveyed while Building, Afloat, & 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^o. of Decks with flat laid N^o. of Tiers of Beams

Dimensions of Ship per Register, length, breadth, depth,	Inches in Ship.	Inches per Rule.						
KEEL , depth and thickness	X 2 1/2							
STEM , moulding and thickness... .. .	X 4							
STERN-POST for Rudder do. do.	8 1/4 X 5							
" " for Propeller	23"							
Distance of Frames from moulding edge to moulding edge, all fore and aft								
FRAMES , Angle Iron, for 3/4 length amidships	3 1/2	3	7/16					
Do. for 1/2 at each end	2	2	6					
REVERSED FRAMES , Angle Iron	2 1/2	2 1/2	6/16					
FLOORS , depth and thickness of Floor Plate } at mid line for half length amidships } thickness at the ends of vessel } depth at 3/4 the half-bdth. as per Rule } height extended at the Bilges... .. .	21							
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 } Average space... .. .	4	3	6					
BEAMS, Main, or Middle Deck } Single or d'ble Ang. Iron, Plate or Tee Bulb Iron } Single, or double Angle Iron, on Upper Edge } Average space... .. .	4 1/2	3	6					
BEAMS, Lower Deck } Single or d'ble Ang. Iron, Plate or Tee Bulb Iron } Single or double Angle Iron on Upper Edge } 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 } Average space... .. .								
KEELSONS Centre line, single or double plate, } box, or Intercostal, Plates } Rider Plate } Bulb Plate to Intercostal Keelson } Angle Irons } Double Angle Iron Side Keelson } Side Intercostal Plate } do. Angle Irons } Attached to outside plating with angle iron	18 1/2		8					
BILGE Angle Irons } do. Bulb Iron... } do. Intercostal plates riveted to plating for length }	5	3	8					
BILGE STRINGER Angle Irons } Intercostal plates riveted to plating for length }	5	3	8					
SIDE STRINGER Angle Irons								

Flat Keel Plates, breadth and thickness
PLATES in Garboard Strakes, br'dth & thickness
 " From Garboard to upper part of Bilges... .. .
 " Of d'bling at Bilge, or increased thickness, and length applied }
 " From up. prt of Bilge to lr. edge of Sh'rstrake... }
 " Main Sheerstrake, breadth and thickness..... }
 " Of d'bling at Sh'stk. & lng. applied }
 " From M'n. to Upr. or Spar Dk. Sh'rstrake... }
 " Up. or Spar Dk Sh'rstrake, brdth & thickn'ss... }
 Butt Straps to outside plating, breadth & thickness
 Lengths of Plating
 Shifts of Plating, and Stringers
 Gunwale Plate on ends of Awning, Spar, or }
 Upper Deck Beams, breadth and thickness... }
 Angle Iron on ditto
 Tie Plates fore and aft, outside Hatchways
 Diagonal Tie Plates on Beams No. of Pairs
 Flat of Up., Spar, or Awning Dk.*
 How fastened to Beams
 Stringer Plate on ends of Main or Middle Deck }
 Beams, breadth and thickness }
 Is the Stringer Plate attached to the outside plating? }
 Angle Irons on ditto, No. }
 Tie Plates, outside Hatchways }
 Diagonal Tie Plates on Beams, No. of pairs }
 Flat of Middle Deck* do. do. }
 How fastened to Beams }
 Stringer Plates on ends of Lower Deck, Hold or }
 Orlop Beams }
 Is the Stringer Plate attached to the outside plating? }
 Angle Irons on ditto, No. }
 Stringer or Tie Plates, outside Hatchways }
 Flat of Lower Deck* }
 Ceiling betwixt Decks, thickness and material... }
 " in hold do. do. }
 Main piece of Rudder, diameter at head }
 do. at heel }
 Can the Rudder be unshipped afloat? }
 Bulkheads No. No. per Rule }
 " Thickness of }
 " Height up }
 " How secured to sides of ship }
 " Size of Vertical Angle Irons and distance apart ins. }
 " Are the outside Plates doubled two spaces of Frames in length? }

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, &c. ? _____
 Manufacturer's name or trade mark, _____
 The above is a correct description.
 Builder's Signature, _____ Surveyor's Signature H. H. Adkins & W. Hamilton
 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.

Form No. 1 to Iron Ship—4000—1

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

Do the edges of the carvel work and of the butts lay 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		Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprntd.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate	W'ght req'd per Rule.	Machine where Tested & Suprntd.
N ^o .	SAILS.											
	CABLES, &c.											
	Chain											
	Fore Sails, (State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)											
	Fore Top Sails, Iron Stream Chain											
	Fore Topmast or Steel Wire ..											
	Stay Sails, or Hempen Strm } Cable											
	Main Sails, Towline, Hemp.											
	or Steel Wire ..											
	Main Top Sails, Hawser											
	and Warp											
	quality											
	Standing and Running Rigging											
	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?											

Reference should be made to any correspondence connected with the case.

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. _____	DAYS 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 }
Date _____		
Order for Ordinary Survey No. _____		
Date _____		
No. _____ in builder's yard.		

State dates of letters respecting this case _____

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, forecabin, 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, £ _____).

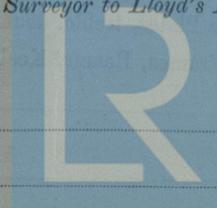
Committee's Minute _____

Character assigned _____

FRI 22 AUGUST 1890

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



Lloyd's Register Foundation