

IRON OR STEEL SHIP.

(Received at London Office)

FRIDAY 8/3/89

No. 8935 Survey held at Newport-Mon
On the Iron S.S. "Blythwoode"

Date of writing Report 13 March 1890
Date, First Survey 12 Feb.

Port of Newport-Mon
Last Survey 1 March

1890

Rig Schooner

Master Jibson

Year of appointment (1) As master in service of owner of present vessel:—1888
(2) As master of this vessel:—1888

Built at West Hartlepool

When built 1870 Launched May

By whom built Denton Gray & Co.

Owners Watts Ward & Co.

Managers

(If desired to be entered in Reg. Book.)

Residence London

Port belonging to London

Destined Voyage Decide.

If Surveyed while Building, Afloat, or in Dry Dock.
while in dry dock & afloat.

TONNAGE under Tonnage Deck } 949
Do. between Tonnage Dk. and 3rd, 4th, Spar or Awning Dk. }
Total under Upper Dk. 949
Do. of Poop
Do. of Raised Qr. }
Dk. or Break }
Do. of Bridge House
Do. of Houses on Deck
Do. of excess of Hatchways
Do. of Forecastle
Gross Tonnage 1214
Less Crew Space
Less Engine Room
Register Tonnage as cut on Beam } 770

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

LENGTH Feet. Inches. **BREADTH—** Feet. Inches. **DEPTH** top of Floors to Upper Deck Beams Feet. Inches. **Power of Engines** ... 120 **Horse.** **No. of Decks with flat laid** One
1st deck as per Rule ... **Moulded** ... **Do. do. Main Deck Beams** ... **No. of Tiers of Beams** Two
Dimensions of Ship per Register, length, 230 breadth, 32 depth, 17-2 Moulded depth 18-2

	Inches in Ship.	Inches per Rule.		Inches in Ship.	Inches per Rule.
KEEL , depth and thickness ...			FLAT KEEL PLATES , breadth and thickness ...		
STEM , moulding and thickness ...			PLATES in Garboard Strakes, br'dth & thickness		
STERN-POST for Rudder do. do.			From Garboard to upper part of Bilges ...		
" " for Propeller ...			Of d'bling at Bilge, or increased thickness, and length applied		
Distance of Frames from moulding edge to moulding edge, all fore and aft ...			From up. prt of Bilge to lr. edge of Sh'rstrake. See facing.		
FRAMES , Angle Iron, for 1/2 length amidships ...	6 1/16		Main Sheerstrake, breadth and thickness. Doubling 18 7/16		
Do. for 1/4 at each end ...	6 1/16		Of d'bling at Sh'stk. & lng. applied		
REVERSED FRAMES , Angle Iron ...	6 1/16		From M'n. to Up. or Spar Dk. Sh'rstrake. Prop Deck 5/16		
FLOORS , depth and thickness of Floor Plate at mid line for half length amidships ...	1/2		Up. or Spar Dk Sh'rstrake, br'dth & thickn'ss... Butt Straps to outside plating, breadth & thickness		
" thickness at the ends of vessel ...	6 1/16		Lengths of Plating		
" depth at 3/4 the half-bdth. as per Rule ...	6 1/16		Shifts of Plating, and Stringers		
" height extended at the Bilges ...	6 1/16		Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness ...		
BEAMS, Upper, Spar, or Awning Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron			Angle Iron on ditto ...		
Single or double Angle Iron on Upper edge ...			Tie Plates fore and aft, outside Hatchways		
Average space ...			Diagonal Tie Plates on Beams No. of Pairs		
BEAMS, Main, or Middle Deck ...			Flat of Up., Spar, or Awning Dk. * <u>Iron</u>		
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron			How fastened to Beams <u>riveted</u>		
Single, or double Angle Iron, on Upper Edge ...			Stringer Plate on ends of Main or Middle Deck		
Average space ...			Beams, breadth and thickness ...		
BEAMS, Lower Deck—			Is the Stringer Plate attached to the outside plating?		
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron			Angle Irons on ditto, No. ...		
Single or double Angle Iron on Upper Edge ...			Tie Plates, outside Hatchways ...		
Average space ...			Diagonal Tie Plates on Beams, No. of pairs		
BEAMS, Hold, or Orlop—			Flat of Middle Deck* do. do.		
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron			How fastened to Beams		
Single or double Angle Iron on Upper Edge ...			Stringer Plates on ends of Lower Deck, Hold or Orlop Beams ...		
Average space ...			Is the Stringer Plate attached to the outside plating?		
KEELSONS Centre line, single or double plate, box, or Intercostal, Plates ...			Angle Irons on ditto, No. ...		
" Rider Plate ...			Stringer or Tie Plates, outside Hatchways ...		
" Bulb Plate to Intercostal Keelson ...			Flat of Lower Deck *		
" Angle Irons ...					
" Double Angle Iron Side Keelson ...			Ceiling betwixt Decks, thickness and material ...		
" Side Intercostal Plate ...			" in hold do. do. ...		
" do. Angle Irons ...			Main piece of Rudder, diameter at head ...		
" Attached to outside plating with angle iron			do. at heel ...		
BILGE Angle Irons ...			Can the Rudder be unshipped afloat?		
" do. Bulb Iron ...			Bulkheads No. No. per Rule		
" do. Intercostal plates riveted to plating for length }			" Thickness of		
BILGE STRINGER Angle Irons ...			" Height up		
Intercostal plates riveted to plating for length }			How secured to sides of ship		
SIDE STRINGER Angle Irons ...			" 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, John H Heck
Surveyor to Lloyd's Register of British and Foreign Shipping.

State clearly where plating is of alternate thickness—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 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 of 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 Materials, and if stamped with Maker's name. State also Length and Diameter of Lower Masts and Bowsprit

Number for Equip- ment	CABLES, &c.			Test per Certificate. Tons.	Fathoms & Inches per Rule.	Machine where Tested and Superintendent, also Name of Chain Maker.	ANCHORS.		Test per Certificate	Weight req'd per Rule.	Machine where Tested and Superintendent, also Name of Anchor Maker.
	Letter for do.	Number of Certificate.	Fathoms.				Inches.	Number of Certificate (State if any and which Anchors are Stockless.)			
N ^o .	SAILS.										
	Fore Sails,										
	Fore Top Sails,										
	Fore Topmast Stay Sails,	Iron Stream Chain or Steel Wire ..									
	Main Sails,	Hempen Str'm Cable					Collective Weights				
	Main Top Sails, and quality	TOWLINE— Hemp or Steel Wire					Stream				
		Hawser					Kedge				
		Warp.....					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? _____ **Hatches,** If strong and efficient? _____

State size **Main Hatch** _____ Forehatch _____ Quarterhatch _____

If of extraordinary size, state how framed and secured...) _____ What arrangement for shifting beams? _____

Order for Special Survey No.	Date	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	Total No. of Visits
Order for Ordinary Survey No.	Date		2nd. On the plating during the process of riveting	
No.	in builder's yard.	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		

State dates of letters respecting this case *Classing letter 11-30-90 - S.*

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

See Newport Rep 8926

How are the surfaces preserved from oxidation? Inside *Cement & paint* Outside *paint*

Particulars for Record in R.B.—Length of Poop _____ ft., R.Q.D. _____ ft., Bridge Dk., _____ ft., F'castle _____ ft.; No. of Dks. (excluding spar, awn., &c.) *See*

Material of dks. _____ If spar, awn. dk., &c. _____ Material of spar, awn. dk., &c. _____; No. of tiers of beams (with and without dks. laid) *two*

Official No. _____; Signal Letters _____ If double bottom, state particulars on separate form.

I am of opinion this Vessel should be Classed *See Npt Rep 8926.*

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

Special£ : : 18 }

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

(Travelling Expenses, if any. £). *FRIDAY 21 MARCH 1890*

Committee's Minute _____

Character assigned _____

John H Heck.

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

