

For 2 Dks., R.O.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

Received at London Office.

WED JAN 8

1896

State if Report is also sent on the Machinery of the Vessel.

Date of completion of Report 3.1.96

Date, First Survey 31st July, 1895

Port of WEST HARTLEPOOL

Last Survey 2nd Aug 1896

Rig Schooner.

Master Joshua West.

Year of appointment

(1) As master in service of owner of present vessel: 1890
(2) As master of this vessel: 1896

Built at W. Hartlepool.

When built 1895. Launched 19.11.95.

By whom built W. Gray & Co. Ltd.

Owners W. G. Mould.

Managers

(Where necessary to be entered in Reg. Book).

Residence Cardiff.

Port belonging to Cardiff.

TONNAGE under Tonnage Deck...	2098.74
Do. of Poop	73.17
Do. of Raised Quarter Deck	7.11
Do. of Bridge House	6.16
Do. of Forecastle	34.67
Do. of Houses on Deck	18.07
Do. of excess of Hatchways	39.61
Do. above Crown of Engine Room	2277.53
Less Crew Space	167.42
Less above Crown of Engine Room	2210.11
TONNAGE FOR FEES	2210.11
Less Engine Room	728.81
Less Navigation Spaces	27.60
Register Tonnage as cut on Beam	1453.70

ONE OR TWO DECKED VESSEL.

CLASS *100A1 Steel.

FEET.

Half Breadth (moulded)	21.41
Depth from upper part of Keel to top of Main Deck Bms.	22.00
Girth of Half Midship Frame (as per Rule)	40.54
1st Number	84.95
Length	298.34
2nd Number	25343.
Proportions—Breadths to Length	6.96
Depths to Length—Main Deck to top of Keel	12.97

Destined Voyage *Cynthia Vecchia* Surveyed while Building *Afloat, or in Dry Dock*

LENGTH on Deck as per Rule	298	Feet.	4	Inches.	BREADTH—Moulded	42	Feet.	10	Inches.	DEPTH—Top of Floors to Main Deck Beams	20	Feet.	11	Inches.	Power of Engines	223	Horse.	No. of Decks with Flat laid	one	No. of Tiers of Beams	one web frame
Dimensions of Ship per Register, Length, 300 breadth, 43. depth, 20.9 Moulded Depth, ft. 22 ins. 12. Round of Beam 10 1/2 inches.																					

FRAMING.

	Inches in Ship.	Inches in Ship.	10ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	10ths or 20ths in Ship.	Inches per Rule Or as Approved.
ME, Angles, <i>2-E or 3-E</i> Bars, for 1/2 length amidships	5	8 1/2	8	5	8 1/2	8	
for 1/2 at each end			7			7	
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	8	3 1/2	3 1/2	8	
" " at intermediate Bkts.							
Face of Frames from moulding edge to moulding edge, all fore and aft		24			24		
PERSED FRAME, Angles	3 1/2	3 1/2	8	3 1/2	3 1/2	8	
FRAMING, depth of girder							
ORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships		25	10		25	10	
in way of Engines and Boilers			10/16			10/16	
thickness at the ends of vessel			8			8	
depth at 1/2 the half breadth, as per Rule		12 1/2			12 1/2		
height extended at the Bilges		50			50		
ORS & BRACKETS, in Coll. Double Bottoms							
" " Distance apart							
TRE GIRDER, in Double Bottom, depth and thickness		45	14 1/2		45	14 1/2	
" " Angles, Top	4	4	9	4	4	9	
" " Bottom	6 1/2	4	9	6 1/2	4	9	
E GIRDERS, number and thickness	5	20	7	5	20	7	
Angles	2 1/2	3 1/2	7	3 1/2	3 1/2	7	
GIN PLATE, depth (exclusive of flange) and thickness		26	8		26	8	
Angles	2 1/2	3 1/2	8	3 1/2	3 1/2	8	
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake		36	9		36	9	
" " thickness in Engine and Boiler space							
" " Remainder in Holds			7			7	
MS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8	3	11	8	3	11	
Angles on Upper Edge							
Average space		24			24		
MS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Average space							
MS, Hold, Plate or Tee Bulb							
Angles on Upper Edge							
Average space							
MS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2	3	10	7 1/2	3	10	
Angles on Upper Edge							
Average space		48			48		
MS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb		7 1/2	7		7 1/2	7	
Angles on Upper Edge	3	3	6	3	3	6	
Average space		48			48		
MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb		8 1/2	8		8 1/2	8	
Angles on Upper Edge	3	3	6	3	3	6	
Average space		48			48		
LARS, In 'tween Decks, Size and Spacing	1/16" Bkd	13	4 1/2 x 4 1/2	10" 8"			
" " Hold	Blank top						
" " Quarter 'tween Dks.							
" " in Hold							
B FRAMES, In Fore Body, No. and Spacing	8 in no.	5	6	2	spaces		
" " Brdth. & Thickness		16	8		16	8	
" " No. of Side Stringers	Three	16	8	Three			
B FRAMES, In E. & B. Space, No. & Spacing	4 in no.	4	spaces				
" " Brdth. & Thickness		16	8		16	8	
B FRAMES, In After Body, No. and Spacing	7 in no.	5	6	spaces			
" " Brdth. & Thickness		16	8		16	8	
" " No. of Side Stringers	Three			Three			
" " Size of Angles or Tee Bars to Web Frames	6	4	11	6	4	11	
W. T. BULKHEADS, Depth and Thickness							

FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule Or as Approved.
KEEL, Bar or Side Plates depth and thickness	10 x 2 3/4	10 x 2 3/4
STEM, moulding and thickness	10 x 6	10 x 6
STERN-POST for Rudder do. do.	10 x 6	10 x 6
" " for Propeller	10 x 6	10 x 6
MAIN PIECE of Rudder, diameter at head do. at heel	8	8
	4	4

RUDDER, how constructed *Iron frame forging.*
Can the Rudder be unshipped afloat? *Yes.*

KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	10ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	10ths or 20ths in Ship.	Inches per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		15	14		15	14	
" " Rider Plate		14	14		14	14	
" " Bulb Plate to Intercoastal Keelson			9			9	
" " Horizontal Plates on Floors							
" " Angles	6 1/2	4	9	6 1/2	4	9	
SIDE KEELSON, Angles	6 1/2	4	9	6 1/2	4	9	
" " Bulb or Plate above floors for length							
" " Intercoastal Plate for 3 spaces into length			9			9	
" " Attached to outside plating with Angle	3 1/2	3 1/2	9	3 1/2	3 1/2	9	
BILGE KEELSON, Angles	6 1/2	4	9	6 1/2	4	9	
" " Bulb or Plate above floors for 3 spaces, len.		10	10		10	10	
" " Intercoastal Plate for length							
" " Attached to outside plating with Angle							
BILGE STRINGER Angles <i>single face</i>	6	4	11	6	4	11	
" " Bulb Plate for length							
" " Intercoastal Plate for between web length		16	8		16	8	
" " Attached to outside plating with Angle	2 1/2	3 1/2	8	3 1/2	3 1/2	8	
SIDE STRINGER Angles <i>single face</i>	6	4	11	6	4	11	
" " Bulb or Intercoastal Plate for between web length		16	8		16	8	
" " Attached to outside plating with Angle	3 1/2	3 1/2	8	3 1/2	3 1/2	8	

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	4 1/2	10	4 1/2	10
" " Angle on ditto	6 x 6	10	6 x 6	10
" " Tie Plates fore & aft, outside Hatchways	increased	2/20		
" " Diagonal Tie Plates on Bms., No. of Pairs				
" " Main Dk* Iron or Steel for whole lng.	7-6		7-6	
" " R. Q. Dk* Iron or Steel for lng.				
" " Wood Deck, Material & thickness				
Lower Deck Stringer Plate, breadth and thickness				
" " Angles on ditto, No.				
" " Tie Plates, outside Hatchways				
" " Deck* Material and thickness				
Hold Stringer Plate				
" " Angles on ditto, No.				
Poop Deck Stringer Plate, breadth & thickness	32	6	32	6
" " Angle on ditto	3 1/2 x 3	7	3 1/2 x 3	7
" " Tie Plates	12	6	12	6
" " Deck, Material and thickness	YP.	3		3
Bridge Deck Stringer Plate, brdth & thickness	36	8	36	8
" " Angle on ditto	3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8
" " Tie Plates	12	7	12	7
" " Deck, Material and thickness	YP.	3		3
Forecastle Deck Stringer Plate, brdth & thcknss	32	6	32	6
" " Angle on ditto	3 1/2 x 3	7	3 1/2 x 3	7
" " Tie Plates	YP.	3		3
" " Deck, Material and thickness	YP.			

BULKHEADS.	Number.		Thickness.	STIFFENERS.			Single or Double Frames.	Height up
	In Vessel.	Per Rule.		Horizontal.	Vertical.	Spacing		
			1 inch min. 20 lbs.	Inches.	Inches.	Inches.		
BULKHEADS	5	5	7-6	7 x 3 1/2 x 7/16	3 1/2	40	old main	
PARTITION				{ semi horizontal			{ deck	
				{ vertical web.				
LONGITUDINAL	4 1/2	5/16	11 x 4 x 1/4	10/16	40			
the outside Plates doubled two spaces of Frames in length? yes.								

Are the outside Plates doubled two spaces of Frames in length? *Yes.*

PLATING.										RIVETING.																																																																																																																																																																														
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.																																																																																																																																																																									
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.		Breadth of Lap.		RIVETS.		Double or Treble.		RIVETS.		STRAPS.		IF LAPPED.																																																																																																																																																																		
Breadth.		Thickness.		Thickness.		Thickness.		Breadth.		Thickness.		Thickness.		Diam.		Spacing or to cr.		Diam.		Breadth.		Thickness.																																																																																																																																																																		
Inches.		Inches.		Inches.		Inches.		Inches.		Inches.		Inches.		Inches.		Inches.		Inches.		Inches.		Inches.																																																																																																																																																																		
FLAT PLATE KEEL		36	16	12	12	36	16	double	6	1	4	treble	1	3 1/2	19	20																																																																																																																																																																								
Girders of A Strake		12	11	11	11	12	11	5 1/2	3/4	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8																																																																																																																																																																
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C "		12	11	11	11	12	11	5 1/2	3/4	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8																																																																																																																																																																
D "		12	11	11	11	12	11	5 1/2	3/4	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8																																																																																																																																																																
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M "		12	11	11	11	12	11	5 1/2	3/4	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8																																																																																																																																																																
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O "		12	11	11	11	12	11	5 1/2	3/4	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8																																																																																																																																																																
P "		12	11	11	11	12	11	5 1/2	3/4	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8																																																																																																																																																																
DOUBLING OF PLATE KEEL		12	11	11	11	12	11	5 1/2	3/4	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8	3 1/2	4	7/8																																																																																																																																																																
Length of Bilges		Doubled about 18 ft																																																																																																																																																																																						
Length of Sheerstrakes		Doubled about 18 ft																																																																																																																																																																																						
Length of Strake below		Doubled about 18 ft																																																																																																																																																																																						
POOP SIDES		Doubled about 18 ft																																																																																																																																																																																						
RAISED QUARTER DECK SIDES		Doubled about 18 ft																																																																																																																																																																																						
BRIDGE SIDES		Doubled about 18 ft																																																																																																																																																																																						
FORECASTLE SIDES		Doubled about 18 ft																																																																																																																																																																																						
LENGTHS OF PLATING		7 to 11 spaces																																																																																																																																																																																						
<p>Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c.:</p> <p>Mild Steel: Borman Long, Coult & Co., Stockton-on-Tees, 1894.</p> <p>Iron: Stockton-on-Tees, 1894.</p>																																																																																																																																																																																								
<p>FRAMES extend in one length from middle line to gunwale in 8 ft space; 2 to tank sides then 8 ft space.</p> <p>REVERSED FRAMES on floors and frames extend from to upper long main deck alternately; 2 to 1 ft apart.</p> <p>deck: double in 8 ft space; all to main deck, aft 2 ft bulkhead.</p>																																																																																																																																																																																								
<p>MASTS, SPARS, &c.</p> <table border="1"> <thead> <tr> <th colspan="2">Material.</th> <th>Total length.</th> <th colspan="2">DIAMETER AND THICKNESS.</th> <th colspan="2">No. of Plates in round.</th> <th colspan="2">RIVETING.</th> </tr> <tr> <th colspan="2"></th> <th></th> <th>At Partners.</th> <th>Heel.</th> <th>Houms.</th> <th>Heel.</th> <th>Number.</th> <th>Size.</th> </tr> </thead> <tbody> <tr> <td>Fore</td> <td>Mild</td> <td>62.3</td> <td>20 x 7/16</td> <td>16 x 9/16</td> <td>12 x 9/16</td> <td>two</td> <td>single</td> <td>double</td> </tr> <tr> <td>Main</td> <td>Steel</td> <td>69.6</td> <td>20 x 7/16</td> <td>16 x 9/16</td> <td>12 x 9/16</td> <td>two</td> <td>single</td> <td>double</td> </tr> <tr> <td>Misc.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Topmasts, Yards and Remainder of Spars: Topmast of pitch pine; no yards.</p> <p>Rigging, Material and Size: Shrouds 13 charcoal iron wire 3 1/2 c. Stays 10 charcoal iron wire 2 3/4 c.</p> <p>Sails: one Suit of fore and aft Sails and the following spare sails</p>																						Material.		Total length.	DIAMETER AND THICKNESS.		No. of Plates in round.		RIVETING.					At Partners.	Heel.	Houms.	Heel.	Number.	Size.	Fore	Mild	62.3	20 x 7/16	16 x 9/16	12 x 9/16	two	single	double	Main	Steel	69.6	20 x 7/16	16 x 9/16	12 x 9/16	two	single	double	Misc.																																																																																																																														
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<p>Boats: Two life and two others.</p> <p>Pumps: As per approved plan.</p> <p>Windlass: Emerson, Walker & Thompson, Ltd. Capstan & Steam winches. Refer to 16. 18th Jan.</p> <p>Engine Room Skylights: How constructed? Iron hood, on iron casing 12" above 12" d.p.</p> <p>What arrangements for deadlights in bad weather? Iron hood, with solid tank lids with bulls' eyes.</p> <p>Coal Bunker Openings: How constructed? Plate coaming. How are lids secured? Hatches. Height above deck? 15" at 13 ft.</p> <p>Number of Scuppers, and number and dimensions of Freeing Ports, &c. 6 ports (27 x 12). 6 scuppers 2 x 4 pipe ed side.</p> <p>Ceiling in Holds, thickness and material 2 1/2" w.p.</p> <p>Ceiling 'tween Decks, thickness and material 2" w.p. sparring.</p> <p>Cargo Hatchways: How formed? Plate coaming. 30" above d.p. Hatches: If strong and efficient? Solid 3" w.p.</p> <p>State size No. 1 Hatch (Forward) 22 x 14. No. 2 Hatch 24 x 14. No. 3 Hatch 24 x 14. No. 4 Hatch 24 x 14.</p> <p>Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch: Two deep webs and three fore & afters, in each hatchway.</p> <p>No. of Breasthooks 4 x 2 deep floor. No. of Crutches 2 x 2 deep floor.</p> <p>Bulwarks, height above deck and description 1/2" plating, 3.6 above d.p.</p> <p>Main Rail, material and size 6 1/2 in. built angle.</p> <p>The above is a correct description.</p> <p>Builder's Signature: R.W. Dryden</p> <p>Surveyor's Signature: C.R. Burney</p> <p>Surveyor to Lloyd's Register of British and Foreign Shipping.</p>																																																																																																																																																																																								

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

1895: 19th July. 8th Aug. 1896. 2nd Sept. 8. Freeboard 19th July. 10 Dec. 1896

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

Are the butts of plating properly closed? Yes.

Are the liners between the frames and plates solid single pieces? Yes.

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

Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Yes.

Do any rivets break into or through the seams or butts of the plating? No.

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes.

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

The workmanship is good, and the vessel has been constructed in accordance with the approved plan (4 in number) which, together with the Report on the forgings are attached hereto.

The fore peak has been tested, by filling with water to about height of load line; decks and tunnel tested by a strong force of water from hose; hand pumps tried; all found satisfactory.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31 ft., R.Q.D. or Break ft., Bridge Dk. 66 ft., F'castle 31 ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 1 R.Q.D. (1st) and web frames.

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Portland cement & Paint. Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system No.

Where fitted.		Length.		Water Capacity.		Where fitted.		Length.		Water Capacity.	
		Feet.		Tons.				Feet.		Tons.	
Double bottom, aft.	100	286	Fore peak tank.		83						
Double bottom, forward.	118	348	After peak tank.								
Double bottom, under Engines and Boilers.			Midship deep tank.								
Double bottom, if under Engines only.			Other tanks, if fitted.								
Double bottom, if under Boilers only.			(If necessary, furnish further information by sketch.)								

State whether the above have been tested as required by the Rules Yes. (See pumping plan attached hereto)

Order for Special Survey No. 1632

Date 20th July, 1895

Order for Ordinary Survey No.

Where held while building as per Section 16.

No. 509 in builder's yard

Days of Surveys held while building as per Section 16.

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

First visit 31st July, 1895

Last 2nd June, 1896

Total No. of Visits 47

The amount of Entry Fee £ 5: : Fees applied for, 6: 1896

Special £ 80: 5: Received by me, 7: 1896

Certificate £ : : Travelling Expenses, if any £ : :

I am of opinion this Vessel should be Classed 100A1 Steel

With or without Freeboard, as condition of Class

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

Committee's Minute FRI. JAN 10 1896

Character assigned 100A1 Steel

+ 2 m.c. 1,96

(1st 3rd) + web frames

Inquire

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