

2 Decks.

IRON & STEEL STEAMER.

Received at London Office, WED. 5 JUL 1893

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

Date of completion of Report 3rd July 1893

Port of West Hartlepool

No. 9128 Survey held at West Hartlepool Date, First Survey 21st Nov 1892 Last Survey 29th June 1893

In the Steel Screw Steamer ADJUTANT

Rig Schooner 2 masts

Master W. Taylor, Esq

Year of appointment 71 (1) As master in service of owner of present vessel - 18 93 (2) As master of this vessel - 18 93

Built at West Hartlepool When built 1893 Launched 16th May 1893

By whom built W. Gray & Co L^{td} Owners General Steam Nav^y Co

Managers Residence 55 Great Tower St. London Port belonging to London

Table with columns for various tonnage measurements: Tonnage under Deck, Poop, Raised Quarter Deck, Bridge House, Houses on Deck, Excess of Hatchways, Forecastle, Above Crown of Engine Room, Gross Tonnage, Crew Space, Above Crown of Engine Room, Tonnage for Fees, Engine Room, Navigation Spaces, Register Tonnage.

Table with columns for vessel specifications: ONE OR TWO DECKED VESSEL, CLASS 100 A, Half Breadth, Depth, Girth, 1st Number, Length, 2nd Number, Proportions, Depths to Length, Destined Voyage.

Handwritten notes and signatures: Master W. Taylor, Esq, Year of appointment, Built at West Hartlepool, When built 1893, Launched 16th May 1893, By whom built W. Gray & Co L^{td}, Owners General Steam Nav^y Co, Managers, Residence 55 Great Tower St. London, Port belonging to London.

Summary table with columns: LENGTH on Deck, BREADTH, DEPTH, Power of Engines, Horse, No. of Decks with Flat laid, No. of Tiers of Beams.

Dimensions of Ship per Register, Length, 290.5 breadth, 39.65 depth, 18.95 Moulded Depth, ft. 21 ins. 42. Round of Beam 10 inches.

FORGINGS AND CASTINGS. Table with columns: Description, Inches in Ship, Inches per Rule, 20ths per Rule.

FRAMING. Large table with columns: Description, Inches in Ship, Inches per Rule, 20ths per Rule. Includes sections for Main and Raised Quarter Deck, Lower Deck, Hold, Poop Deck, Forecastle Deck, Bridge Deck, and various stringers and frames.

KEELSONS AND STRINGERS. Table with columns: Description, Inches in Ship, Inches per Rule, 20ths per Rule. Includes sections for Centre Line Keelson, Side Keelson, Bilge Keelson, Side Stringer, Main and Raised Quarter Deck Stringer, Lower Deck Stringer Plate, Hold Stringer Plate, Poop Deck Stringer Plate, Bridge Deck Stringer Plate, Forecastle Deck Stringer Plate.

PLATING. Table with columns: Description, Inches in Ship, Inches per Rule, 20ths per Rule. Includes sections for Flat Plate Keel, Plates in Garboard Strakes, Bilges, Sheerstrake, and various deck plating.

15/7/93

HPL 370-0088 (112)

Ceiling betwixt Decks, thickness and material	2" Pine	BULKHEADS. No. in Vessel 5	No. Reqd. by Rule 5	Thickness.	Angles.	Spacing.	Height up.	Sngl. or Dbl. Frames.	
" in hold	do. 2 1/2"			W. T. BULKHEADS	2-6/20	Vrtel. 5x3x3/8	30	Main + Decks	double
Number of Breasthooks	4			PARTITION...	Vrtel. 7x3x3/8	48	in Ck. Bhd		
Crutches	deek floors	LONGITUDINAL	Vrtel.						

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

The FRAMES extend in one length from *Keel Bilge* to *top height* Riveted through Plates with *3/8* in. Rivets, about *68* apart

The REVERSED ANGLE on floors and frames extend from *Centre Bilge*, thence to *Min. dr. + top* interspersed alternately *2" dr. + 1 1/2" dr.* all *to* *the* *Keel*; all *NP* in *upper* *part*.

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.

Garboard, double riveted to Bar Keel *Flat Plate Keel*, with rivets *1/8* in. diameter, averaging *5 1/8* ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets *3/8* in. diameter, averaging *3 1/2* ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, treble *double* riveted; treble for *3/4* length; with rivets *3/8* in. dia., averaging *3 1/2* ins. from cr. to cr.

Butts of *all* Strakes at Bilge for *1/2* length, treble riveted for *3/4* length; with rivets *3/8* in. dia., averaging *3 1/2* ins. from cr. to cr.

Edges from Bilge to Sheerstrake, worked clencher, double *single* riveted; with rivets *3/8* in. diameter, averaging *3 1/2* ins. from centre to centre.

Butts from Bilge to Sheerstrake, worked carvel, treble *double* riveted; treble for *3/4* length; with rivets *3/8* in. dia., averaging *3 1/2* ins. from cr. to cr.

Edges of Sheerstrake, double *single* riveted. Butts of Sheerstrake, treble riveted for *1/2* length amidships.

Butts of Main Stringer Plate, treble riveted for *1/2* length amidships. *Single or Double Butt Straps to Stringer Plate* for *1/2* length.

Butts of Inner Bottom Plating *double* riveted for *1/2* length. Butts of Centre Girder *treble* riveted.

Breadth of edge laps of Shell Plating in double riveting *5 1/2*. Breadth of edge laps of Shell Plating in single riveting *5 1/2*.

Butt Straps of Shell Plating breadth and thickness *1 1/2 to 1 3/4* *1 1/2 to 1 3/4* Butts, if Lapped, breadth of laps *9*

Butt Straps of Keelsons, Stringer and Tie Plates, treble *double* riveted?

Manufacturer's name or trade mark of the Iron & Steel (state process of manufacture of Steel) used for Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? *Stemens Martin Steel, Iron and Steel Co., New St. Co., Stockton N. C.*

Iron. *Iron and Steel Co., New St. Co., Stockton N. C.*

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

Is the riveted work 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 faying surfaces? *Yes* Do any rivets break into or through the seams or butts of the plating? *a few*

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

MASTS, SPARS, &c.

	Material	Total Length	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners	Heel	Head		Number	Size	Seams	Butts
Fore	Iron	79' 10"	23 x 9/16	18 x 7/16	19 x 7/16	2	✓	✓	Single	Treble
Main	"	67' 6"	20 x 7/16	16 x 7/16	16 x 7/16	2	✓	✓	"	"

Lower Masts: Main *Iron*

Topmasts, Yards and Remainder of Spars *Pitch Pine*

Rigging, Material and Size, Shrouds *Iron Wire 3 1/2"* Stays *Iron Wire 3 1/4"*

Sails. *One* Suit of Sails, and the following *as per*

EQUIPMENT No. *25696* LETTER *S* ANCHORS.

Number of Certificate.	Weight, Ex. Stock	Weight of Stock	TEST, PER CERTIFICATE.		WEIGHT REQ. BY RULE		Description of Anchor.	Makers.	Where and when tested and Superintendent.		
			Tons.	Cwts.	qrs.	lbs.				Cwts.	qrs.
15222	40	1	36	0	2	14	40	0	0	Parries	H. P. Parries, No. 31-3-93
15275	40	0	38	16	3	14	40	0	0	Strocker	15-3-93
15277	34	1	32	0	0	0	34	0	0	"	31-3-93
Collective weight	114	3	114	0	0	0	114	0	0	"	"
24782	10	2	12	8	3	0	10	2	0	Parries	29-3-93
24783	5	1	7	11	3	14	5	1	0	"	"
24784	2	2	5	0	0	0	2	2	0	"	"

CHAIN CABLES. HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate, Tons.	Weight of Chain Cable, Per Fathom.	Fathoms & Size, Per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms.	Size.	Fathoms & Size, Per Rule.	
													10321
10322	136	1 1/2	8 1/2	225	1 1/2	"	"	11-4-93	J. Retard	Hawser	Manilla 90	7 1/2	90-7 1/2
10323	75	1 1/2	8 1/2	225	1 1/2	"	"	20-3-93	J. Retard	"	"	"	"
Iron Steam Chain	90	4	33	90-4	Steel wire	W. Watson & Co., 19-6-93	"	"	"	"	"	"	"

Boats *2 life boats + 2 others*

Pumps, Number *as per approved plan* Diameter of Barrel and Tail Pipe *5 1/2 + 2 1/2*

The Windlass is *Iron, Steam* Capstan *✓*

Engine Room Skylights.—How constructed? *Plate coaming + Mr. with tear flaps + thick round glass lights.*

Coal Bunker Openings.—How constructed? *Plate coaming* How are lids secured? *Clats, button* Height above deck? *48 + 15"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *In well each side 2 ports 28" x 22" + 2 scuppers on Quarter deck each side 4 ports 14" x 11" + 2 scuppers*

Cargo Hatchways.—How formed? *Plate coaming* Hatches, if strong and efficient? *3 Solid pine*

State size No. 1 Hatch (Forward) *15' 11" x 12' 10"* No. 2 Hatch *25' 10" x 15' 0"* No. 3 Hatch *5' 10" x 15' 0"* No. 4 Hatch *21' 10" x 14' 0"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *No. 1 1 web 3 fore afters No. 2 5 23' 9" x 14' 0"*

No. 2 *div. 4 from fore end 2 webs 3 fore afters No. 3 1 angle bulk beam*

Bulwarks, height above deck and description *Plate 40" high on 2nd dk Main Rail, material and size 4" x 3"*

The above is a correct description *For William Gully & Co Limited.*

Builder's Signature, (here only) *W. Gully* Director.

Surveyor's Signature, *H. M. Williams* Surveyor to Lloyd's Register of British and Foreign Shipping.

Order for Special Survey No. *1551*

Date *13 Oct 1892*

Order for Ordinary Survey No. *✓*

Date *✓*

No. *461* in builder's yard

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

Total No. of Visits *28*

State dates and initials of letters respecting this case *Oct 10th 92 M. Feb 14th 18th 93 E*

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

Built under Special Survey in accordance with the approved plans + the rules for steel vessels. The workmanship and materials are good steel tested as per rule.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *27* ft., R.Q.D. or Break *86* ft., Bridge Dk. *122* ft., F'castle *27* 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

Poop Quarter deck, Bridge deck connected

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 dk (Stl) 16 bms 1 part wds.*

Official No. *102776*; Signal Letters

PARTICULARS OF WATER BALLAST.—

Double bottom, aft, length *✓* and water capacity in tons *✓* Double bottom, forward, length *✓* and water capacity in tons *✓*

Double bottom, under engines and boilers, length *✓* and water capacity in tons *✓* If under Engines only, or Boilers only, state which *both*

Double bottom, constructed on the cellular system, length *244 ft.* and water capacity in tons *551*

Fore peak tank, water capacity in tons *✓* After peak tank, water capacity in tons *30*

Midship deep tank, length *✓* and water capacity in tons *✓* Other tanks, if fitted, length *✓* and water capacity in tons *✓*

The above have *all* been tested as required by the Rules.

(If necessary, furnish further information by sketch.)

How are the surfaces preserved from oxidation? Inside *Portland Cement, Paint* Outside *Paint*

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated *✓*

In Summer *✓* ft. *✓* ins.

In Winter *✓* ft. *✓* ins.

For Winter in North Atlantic *✓* ft. *✓* ins.

Fresh Water above the centre of disc *✓* ins.

To top of Wood, Iron or Steel Upper Deck. *See freeboard verification Report.*

State if marked on Vessel's sides in accordance with Notice No. 572 *✓*

The amount of Entry Fee..... £ *5* : : is received by me, *✓*

Special ... £ *83* : *2* *4 7 18 93*

Certificate* £ *Yes*

Travelling Expenses, if any £ : : *✓*

I am of opinion this Vessel should be Classed *+ 100 A 1 steel* *H. M. Williams* Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *7 JUL 1893*

Character assigned *100 A 1 steel*

20 CP + 2 MC 6, 93

100 A 1 (Stl) as recommended.

Well dk.

engine

HP 1370-0088 QM

The Surveyor should be requested to state whether the requirements of paragraphs 890 and 887 have been complied with in this case.

Lloyd's Register Foundation