

IRON OR STEEL STEAMER.

No. 14, h h O.

MON 3 MAY 1997

Port of **WEST HARTLEPOOL**, Date of completion of Report **28.4.97.**

Received at London Office

Survey held at **WEST HARTLEPOOL**

Date, First Survey

9th Sept, 1896, Last Survey

26th April, 1897

On the Screw Steamer

Rig 7000 Taff-Schooner

TONNAGE under } 3555. 68

SPAR, ~~AWNING~~ OR ~~PART~~ ~~AWNING~~-DECKED VESSEL.

Master Richard Stahl

~~or a Vessel having a continuous Shade Deck.~~

<i>Year of Appointment</i>	(1) As Master in service of	
	owner of present vessel:—18	
	(2) As Master of this	
	vessel.....18	97

CLASS 100A1

Built at West-Hartlepool

When built. 1897 Launched 17 Feby. 1897

By whom built. Irons Wether Co. Lin

Owners *J. E. Luther & Co.*

Managers

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

Residence West Hartlepool

Port belonging to *West Hartlepool*

~~If Surveyed while Building, Afloat, or in Dry Dock.~~

GTH on Deck per Rule.	Feet. 338	Inches. 2	BREADTH — Moulded .	Feet. 46	Inches. 10	DEPTH , top of Floors to Spar on Deck Dk. Beams Do. do. Main Deck Beams	Feet. 27 12 32	Inches. 15 32	Power of Engines	Horse. 299	No. of Decks with flat laid <i>one</i> No. of Tiers of Beams <i>Two Yards</i>
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Dimensions of Ship per Register, Length 340.0 breadth 47.1 depth. { 27.1 Spar Deck. Dk. Moulded depth, ft. 22 ins. 10 To Main Dk. Round up of Beam, Main Dk. } 218 ins.

FRAMING.						FORGINGS AND CASTINGS.						KEELSONS AND STRINGERS.					

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
	Inches.	1/16th or 20ths.	1/16th or 20ths.	1/16th or 20ths.	Inches.	1/16th or 20ths.			Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Feet.		
FLAT PLATE KEEL	48	20	13	13	48	20	Double	6	1	4 1/4	2 1/2 - 7 1/4	1	3 1/2	19	2 1/2				
GARBOARD OF A STRAKE	50	14	12	13	50	14		5 1/4	7/8	3 3/4		7/8	3 1/2			9	7 1/4		
B "		12	9	14		12								16 3/4	16				
C "		12	str	str		12											9 7/4		
D "		12	str	14		12								16 3/4	17				
E "		13	10	15		13													
F "		13	10	13		13													
G "		13	10	13		13													
H "		13	10	13		13													
J "		12	10	12		12									16				
K "		12	10	12		12													
L "		12	10	10		12													
Main Sheer M "	44	13	10	10	44	13		9	1	4 1/4					17				
Spar Sheer N "	40	12	9	9	40	12		6	1	4 1/4					16				
O "		15	10	10	40	15										10 1/2	7 1/4		
P "																			
Q "																			
DOUBLING OF Flat Plate Keel	Increased thickness in lieu of doubling																		
Length and thickness of Bilges	Spar and Sheerstrake doubled at ends of bridge																		
of Sheerstrakes																			
of Strake below																			
POOP SIDES		7				7													
BRIDGE SIDES		7 1/8				7 1/8													
FORECASTLE SIDES		7				7													
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, Plating, &c.?																			
Mild Steel - Bolckow & Co. Consult. Dorman Long & Co. Palmer's Coy. W. & A. P. & Co.																			
Best Iron - J. Hill & Co.																			
Spar or Anning Butts, double riveted for half length amidship.																			
Stringer Plate Straps, single, double or overlapped for length amidship.																			
Main Stringer Butts, treble riveted for whole length amidship.																			
Plate Straps, single, double or overlapped for length amidship.																			
Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted?																			
Inner Bottom Plating, riveting of Edges single & double Butts double & whole length																			
Centre Girder Butts, treble riveted Keelson Butts, riveted.																			
Frames, riveted through Plates with 7/8 in. Rivets, about 5" apart.																			
Rivets, state whether Iron or Steel Iron																			
FRAMES extend in one length from Tank side to gunwale																			
REVERSED FRAMES on floors and frames extend from ordinary frames in peaks.																			
MASTS, SPARS, &c.																			
Material. Total Length. DIAMETER AND THICKNESS. No. of Plates in round. ANGLES. RIVETING.																			
At Partners. Heel. Hounds. Head. Number. Size. Seams. Butts.																			
LOWER MASTS...	Fore	Steel	52.0	21 x 1 1/2	19 1/2 x 1 1/2	17 x 1 1/2	16 x 1 1/2	Two	✓	✓	Single	Treble							
	Main		53.3																
	Mizen																		
Masts built by J. Dudson & Co. Stockton on Tees																			
Bourprit																			
Topmasts, Yards and Remainder of Spars wood topmasts (telescopic)																			
Rigging, Material and Size, Shrouds 3 3/4" gal. iron wire Stays 4 1/2" gal. iron wire																			
Sails. One Suit of Sails, and the following spare sails																			
EQUIPMENT No. 37673 LETTER W ANCHORS.																			
Number of Certificate. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQ. BY RULE. Description of Anchor. Makers. Where and when tested and Superintendent.																			
Cwts. qrs. lbs. Cwts. qrs. lbs. Tons. cwts. qrs. lbs. Cwts. qrs. lbs.																			
30482	1st Bower	51	1	0		43	3	0	14	50	0	0	Abbots	J. Abbot	27.10.96	H. T. Wilford			
30293	2nd "	48	3	14		41	13	1	21	50	0	0	patent	& Co. Lim.	28.9.96	Sunderland			
30419	3rd "	42	3	14		37	15	2	14	42	2	0	Stockless		15.10.96				
	Collective weight	143	0	0						142	2	0							
15062	Stream	12	0	7	3	0	7	13	19	2	21	12	0	0	Common	J. Abbot	21.10.96	J. Smidale	
15060	Kedge	6	1	14	1	2	0	8	12	2	0	6	0	0		& Co. Lim.		Low Walker	
	2nd Kedge																		
CHAIN CABLES. HAWSERS AND WARPS.																			
Number of Certificate. Fathoms. Size. Test per Certificate. Tons. WEIGHT OF CHAIN CABLE. Fathoms and Size Per Rule. Description. Makers of Cables. When and where tested, and Superintendent. Material. Fathoms. Size. Breaking Test of Steel Wire Towline. Fathoms and Size Per Rule.																			
Supplied. Per Rule.																			
12310	270 3/4	2 1/8	107.1-76.5	573.2-27	573.2-14	270-2 1/8	Steel	J. Abbot	21.10.96	H. T. Wilford	TOWLINE	Steel	120	4 1/2	39 tons	120-4 1/2			
12472	90 1/4	1 3/8	38-25 3/8	65.1-0	65.0-16	90-1 3/8	link	& Co. Lim.	7.11.96	Sunderland	HAWSER		90	3 1/4	22 tons	90-3 1/4			
											WARP	Manilla	90	9		90-9			
Boats Two life boats and one other																			
Pumps, Number Four deck pumps																			
Windlass is Emerson, Walker, & Thompson Bros.																			
Engine Room Skylights. How constructed? Iron or Iron casing 7 ft. high. Boiler casing 3 ft. high.																			
What arrangements for deadlights in bad weather? Thick glass bulletproof in iron hinged covers.																			
Coal Bunker Openings. How constructed? 3 Hatches each side How are lids secured? Bars & Larpaulins Height above deck? 12"																			
Number of Scuppers, and number and dimensions of Freeing Ports, &c. 7 Scuppers, 5 Ports (36"x18") and 3 Ports (33"x18") Each side of ship																			
Ceiling in Holds, thickness and material 2 1/2" W.P. Ceiling 'tween Decks, thickness and material 6"x2" W.P. battens.																			
Cargo Hatchways. How formed? Steel plate coamings Hatches, If strong and efficient? Yes. Solid																			
State size No. 1 Hatch (Forward) 22.6 x 15.6 x 42" high No. 2 Hatch 25.0 x 16.0 x 52" high No. 3 Hatch 25.0 x 16.0 x 44" high No. 4 Hatch 25.0 x 15.6 x 34" high																			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Two deep web plates & 3 m. & afters in each hatch.																			
No. of Breasthooks 5 & deep floors No. of Crutches 1 & deep floors																			
Bulwarks, height above deck and description Iron plate 42" high above deck. Main Rail, material and size 6" Built angle																			
The above is a correct description.																			
Builder's Signature (here only) L. Mills																			
Surveyor's Signature Chas. Fowling																			
Surveyor to Lloyd's Register of British & Foreign Shipping.																			

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

1896- May 21. 21. Sep. 11. 1897- April 3. 6. 8. 14. 20. 23

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

to plate, &c., conform well to each other? Yes

from the faying surfaces? Yes

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

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 plans (5 in No.) which together with two Forgings Reports are attached hereto.

The fore peak has been filled with water to height of load line, and collision bulkhead found good. The iron decks and tunnel have been tested by hose & found good. The deck pumps have been tried and found to work satisfactorily.

Drawings.

Midship Section

Profile

Stub masts

Pumping plan

Cast steel quadrant. retained in London.

This is a sister ship to the S.S. "Barbara" see West Hartlepool Report No. 10169.

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. 105 ft., F'castle 31.5 ft. (in feet and tenths). When the Poop 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) Spar deck (steel), 2 tiers of beams, 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 Yes

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	107.5	230	Fore peak tank,	✓	✓
Double bottom, forward,	130	313.5	After peak tank,	✓	40.5
Double bottom, under Engines and Boilers,	47.5	143	Midship deep tank,	✓	✓
Double bottom, if under Engines only,		686.5	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

Order for Special Survey No. 1655

Date 23rd May, 1896

Order for Ordinary Survey No.

Date 230 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

Built under Special Survey.

1896- Sept 9 Oct 27 9. 16 20 23 28 Nov 25 6. 11 12 16 17 18. 21 24 26 30 Dec 5 13 4 9 12 14 17 18 22 29 1897- Jan 8 11 15 19 28 Feb 3 5 6 9 10 11 17 March 10 18 23 25 29 31 April 2 5 6 7 9 14 15 21 22 26 Total No. of Visits 58.

Amount of Entry Fee £ 5: :
Special Survey Fee £ 116: 2:
Travelling Expenses, if any £ : :

Fees applied for, 27.4.1897
Received by me, 27.4.1897

Certificate to be sent to WEST HARTLEPOOL.

In opinion this Vessel should be Classed
with, or without Freeboard, as condition of Class

100A1 "Spar deck"
"with Freeboard"

Chas. Fowling.

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

Committee's Minute

1UES 4 MAY 1897

Character assigned

100 A1 steel Spar deck
freeboard 5' 6" 3"

Spar deck (steel), 2 tiers web frames + L.M.C. 4.97

A.S.C.O.

Signature



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Lloyd's Register Foundation

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