3 Decks.

~~IRON OR~~ STEEL STEAMER.

MON 18 APL 1904

Received at London Office ...

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

Port of WEST HARTLEPOOL No. 12328.

Date of completion of report 14th April, 1904

Survey held at W. Hartlepool — *Date, First Survey* 3rd November 1903 *Last Survey* 7th April. 1904

On the Screw Steamer "BRITANNIC" *Rig* Schooner

TONNAGE	
Tonnage under Tonnage Deck	
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	3228.22
Do. of Poop	95.56
Do. of ~~Bridge~~ Chart House	7.84
Do. of Forecastle	44.77
Do. of Houses on Dk.	27.99
Do. of excess of Hatchways	41.02
Do. above Crown of Engine Room	41.24
Gross Tonnage	3486.64
Less Crew Space	83.97
Less above Crown of Engine Room	41.24
TONNAGE FOR FEES	3361.43
Less Engine Room	1115.72
Less Navigation Spaces	47.41
Register Tonnage *as cut on Beam*	2239.54

THREE DECKED VESSEL.

CLASS ✠100A1

	FEET.
Half Breadth (*moulded*)	24.66
Depth *from upper part of Keel to top of Upper Deck Beams (with the normal round up of beam)*	26.20
Girth *of Half Midship Frame (as per Rule)*	46.12
	96.98
deduct 7 feet	7.00
1st Number	96.98 and 89.98
Length *on deck from after part of stem to fore part of stern post*	340.16
2nd Number	32988.71 and 30607.59
Proportions—*Breadth to Length*	6.89
Depth to Length—Upper Deck to top of Keel	12.98
Main Deck ditto	

RETAIN

Destined Voyage Tyne

Master A. Garrod

Year of appointment (1) *As Master in service of owner of present vessel:*— 1904 (2) *As Master of this vessel* 1904

Built at W. Hartlepool

When built 1904 *Launched* 3rd March 04

By whom built W. Gray & Co Ld

Owners W. H. Cockerline & Co.

Managers —

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

Residence Hull

Port belonging to Hull

~~*Surveyed while Building,*~~ *Afloat,* ~~*in*~~ *Dry Dock* (Graving)

LENGTH on Deck as per Rule	Feet. 340	Inches. 2	**BREADTH**— Moulded	Feet. 49	Inches. 4	**DEPTH, ACTUAL**—Top of Floors to top of Upper Dk. Beams	Feet. 22	Inches. 8½	No. of Decks with flat laid	one
						Do. do. do. do. Main Dk. Beams	17	5	No. of Tiers of Beams	two

Dimensions of Ship per Register, Length 342 breadth 49.5 depth 22.7. Moulded depth, ft. 25 ins. 2 To Upper Dk. Round of Upper Dk. Beam, Actual 12½ ins.

FRAMING.	Inches in Ship	Inches in Ship.	20ths in Ship.	Inches per Rule Or as	Inches per Rule Approved	20ths per Rule
FRAME, Angles, ~~or Z, E or [Bars~~ for 3/5 length	6	3½	10	6	3½	10
amidships	6	3½	9	6	3½	9
Do. for 1/5 at each end	3½	3½	9.8	3½	3½	9.8
Do. in way of Double Bottoms at Solid Floors						
" " ~~at intermdt. Bkts.~~						
Distance of Frames from moulding edge to moulding edge, all fore and aft	25			25		
REVERSED FRAME, Angles	6½	3½	9.8	6½	3½	9.8
DEEP FRAMING, depth of girder	9½			9½		
FLOORS, ~~depth and thickness of Floor Plate at mid line for 3/5 length amidships~~	8/20		8/16	8/20		8/16
" in way of Engines and Boilers						
" ~~thickness at the ends of vessel~~						
" ~~depth at 1/4 the half breadth, as per Rule~~						
" height extended at the Bilges	65			65		
FLOORS ~~& BRACKETS~~ in **Cell Dble Bottoms**			8			8
Distance apart	25			25		
CENTRE GIRDER, in Double bottom, depth and thickness	42		12.8	42		12.8
" " Angles, Top	4	4	9	4	4	9
" " " Bottom	6½	4½	9	6½	4½	9
SIDE GIRDERS, number on each side & thickness	2		8	2		8
" " Angles	3½	3½	8	3½	3½	8
MARGIN PLATE, depth (exclusive of flange) and thickness	32		9	32		9
" " Angles to Outside Plating	4	4	9	4	4	9
INNER BOTTOM PLATING, breadth and thickness of **Middle Line Strake**	58		10.8	36		10.8
" " " in Engine ~~and Boiler space~~			8/16			8/16
" " " Remainder in Holds			8.7			8.7
BEAMS, Upper Deck, ~~Single Angle,~~ Bulb Angle, ~~Plate or Tee Bulb~~	9	3½	11	9	3½	11
" in way of bridge B.A. ~~Angles on upper edge~~	9½	3½	13	9½	3½	13
" Average space	25			25		
BEAMS, Middle Deck, ~~Single Angle, Bulb Angle,~~ Plate ~~or Tee~~ Bulb	12		13	12		13
" Angles on upper edge	3½	3½	10	3½	3½	10
" Average space	50			50		
~~**BEAMS, Lower Deck,** Single Angle, Bulb Angle, Plate or Tee Bulb~~						
" ~~Angles on upper edge~~						
" ~~Average space~~						
~~**BEAMS, Hold, or Orlop,** Plate or Tee Bulb~~						
" ~~Angles on upper edge~~						
" ~~Average space~~						
BEAMS, Poop Deck, ~~Angle, Bulb Angle,~~ Plate ~~or Tee~~ Bulb	9		9	9		9
" Angles on upper edge	3½	3½	7	3½	3½	7
" Average space	50			50		
BEAMS, Bridge Deck, ~~Angle,~~ Bulb Angle, ~~Plate or Tee Bulb~~	7½	3	10	7½	3	10
" ~~Angles on upper edge~~						
" Average space	25			25		
BEAMS, Forecastle Deck, ~~Angle, Bulb Angle,~~ Plate ~~or Tee~~ Bulb	10		10	10		10
" Angles on upper edge	3½	3½	7	3½	3½	7
" Average space	50			50		
PILLARS, In 'tween Deck, size and spacing	3		50	3		50
" " **Hold** " "	4¾		"	4¾		"
" **Quarter 'tween Dks.,** " "	✓			✓		
" " **in Hold** " "						
~~**WEB-FRAMES, In Fore Body,** No. and spacing~~						
" " " ~~brdth. & thickness~~						
" No of Side Stringers " "	2			2		
WEB-FRAMES, In E. & B. Space, No. & spacing	one			one		
" " " brdth. & thickness	39		9	39		9
~~**WEB-FRAMES, In After Body,** No. and spacing~~						
" " " ~~brdth. & thickness~~						
" No. of Side Stringers " "	2			2		
" Size of Angles ~~or Tee~~ Bars to **Web-Frames**	6	4	10	6	4	10
~~**BRACKET PLATES** to Stringers between Web-Frames,~~ depth and thickness						

FORGINGS ~~or CASTINGS~~.	Inches in Ship.	Inches per Rule. Or as Approved.
~~**KEEL,** Bar or Side Plates, depth and thickness~~		
STEM, moulding and thickness	11 × 2¾	11 × 2¾
STERN-POST for Rudder do. do.		
" for Propeller	11 × 6½	11 × 6½
MAIN PIECE of **Rudder,** diameter at head	9	9
" " do. at heel	7¼ × 4½	7 × 4½

RUDDER, how constructed: ordinary with side plates

Can the Rudder be unshipped afloat? yes

~~KEELSONS &~~ STRINGERS.	Inches in Ship	Inches in Ship.	20ths in Ship.	Inches per Rule Or as	Inches per Rule Approved	20ths per Rule
~~**CENTRE LINE KEELSON,** Vertical Plate above floors, Through Plate, or Intercostal Plate~~						
" ~~Rider Plate~~						
" ~~Bulb Plate to Intercostal Keelson~~	Cellular double bottom					
" ~~Horizontal Plates on Floors~~						
" ~~Angles~~						
~~**SIDE KEELSON,** Angles~~						
" ~~Bulb or Plate above floors, for lng.~~						
" ~~Intercostal Plate, for length~~						
" ~~Attached to outside Plating with Angle~~						
~~**BILGE KEELSON,** Angles~~						
" ~~Bulb or Plate above floors, for lng.~~						
" ~~Intercostal Plate for length~~						
" ~~Attached to outside Plating with Angle~~						
~~**BILGE STRINGER** Angles~~						
" ~~Bulb Plate for length~~						
" ~~Intercostal Plate for, length~~						
" ~~Attached to outside Plating with Angle~~						
2 **SIDE STRINGERS,** Angles. 3	6½	4½	12.11	6½	4½	12.11
" ~~Bulb or~~ Intercostal Plate, for whole lng.	22		8.7	22		8.7
" Attached to outside plating with Angle	3½	3½	9.8	3½	3½	9.8
Upper Deck Stringer Plates, br'dth & thickness	54	41	12.8	54	41	12.8
" Angles on ditto	6	6	11	6	6	11
" ~~Tie~~ Plates fore and aft, outside Hatchways	4½ / 3½ increased	4½ / 3½	11.10 / 10.9 / 3/16	4½ / 3½	4½ / 3½	11.10 / 10.9 / 3/16
" Deck.* Iron ~~or Steel~~, for whole lng.	8.7/16			8.7/16		
" ~~Wood Deck, Material & thickness~~ & comp & felt	7/16 in bridge			7/16 in bridge		
Middle Deck Stringer Plate, br'dth & thickness	72	41	10.8	72	41	10.8
" Angles on ditto, No. 2	4	4	9.8	4	4	9.8
" 2 Tie ~~Plates outside Hatchways~~ angles at centre	4	4	9.8	4	4	9.8
" ~~Diagonal Tie Plates on Bms., No. of prs.~~						
" ~~Deck.* Iron or Steel, for lng.~~						
" ~~Wood Deck, Material & thickness~~						
~~**Lower Deck Stringer Plate,** br'dth & thickness~~						
" ~~Angles on ditto, No.~~						
" ~~Tie Plates, outside Hatchways~~						
" ~~Deck.* Material and thickness~~						
~~**Hold, or Orlop Stringer Plate,** br'dth & thckn's~~						
" ~~Angles on ditto, No.~~						
" ~~Tie Plates outside Hatchways~~						
" ~~Deck. Material and thickness~~						
Poop Deck Stringer Plate, breadth & thickness	36		6	36		6
" Angle on ditto	3	3	8	3	3	8
" Tie Plates	10		6	10		6
" Deck. Material and thickness	Y.P.		3			3
Bridge Deck Stringer Plate, br'dth & thickness	68		8	42		8
" Angle on ditto	3½	3½	9	3½	3½	9
" ~~Tie Plates~~						
" Deck. Material and thickness	iron		6/16			6/16
Forecastle Deck Stringer Plate, b'dth & th'kns	36		6	36		6
" Angle on ditto	3	3	8	3	3	8
" Tie Plates 9-6 wide at centre			5/16			5/16
" Deck. Material and thickness	Y.P.		3			3

* *If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.*

BULKHEADS.	Number. In Vessel.	Number. Per Rule.	Thickness. 20ths.	Stiffeners Horizontal Size. Inches.	Stiffeners Horizontal Spacing Inches.	Stiffeners Vertical Size. Inches.	Stiffeners Vertical Spacing Inches.	Single or Double Frames.	Height up.
W. T. BULKHEADS	6	6	6 × 7	7½	3	4½/20 BA	48	double	upper
PARTITION "									
LONGITUDINAL "									

Are the outside Plates doubled two spaces of Frames in length? diamond liners

Are the ~~Sluice Valves and~~ Watertight Doors in efficient working order? yes

Form No. 1B. 9-96

W923 - 0069½

©2020 Lloyd's Register Foundation

PLATING. / RIVETING.

STRAKES.	As in Ship: Amidship Breadth (Inches)	Amidship Thickness (20ths)	Forward Thickness (20ths)	Aft Thickness (20ths)	Per Rule or as Approved: Amidship Breadth (Inches)	Amidship Thickness (20ths)	Edges: Single or Double	Breadth of Lap (Inches)	Rivets Diam. (Inches)	Rivets Spacing cr. to cr. (Inches)	Butts: Double or Treble and for what Length	Rivets Diam. (Inches)	Rivets Spacing cr. to cr. (Inches)	Straps Breadth (Inches)	Straps Thickness (16or20ths)	If Lapped Breadth (Inches)	For what Length (Feet)
Flat Plate Keel (~~If Bar Keel, state Riveting~~)																	
~~Garboard~~ or A Strake	36	20	13	13	36	20·13	double	6	1	4 1/8	Quadruple	1	3 1/2	✓		14·12	whole
B	48 1/2	14	12	12	36	14·12	·	5 1/4	7/8	3 1/2	·	·	·			· ·	·
C		11	9	9		11·9	·	·	·	·	·	7/8	3 1/2			12 1/2 7 1/2	·
D		11	9	9		11·9	·	·	·	·	·	·	·			· 9	·
E		12	9	9		12·9	·	·	·	·	·	·	·			· ·	·
F		13	10	10		13·10	·	·	·	·	·	·	·			· ·	·
G		13	10	10		13·10	·	·	·	·	·	·	·			·	·
H		12	9	9		12·9	·	·	·	·	·	·	·			· 10 1/2	·
J		12	9	9		12·9	·	·	·	·	·	·	·			· 7 1/2	·
K		12	9	9		12·9	·	·	·	·	·	·	·			· 10 1/2	·
L		14	9	9		14·9	·	6	1	4 1/8	·	1	3 1/2			14·7 1/2	·
Sheerstrake M	45	15	10	10	44	15·10					·	·	·			· 9	·
N																	
O																	
P																	
Q																	
R																	
Doubling of Flat Plate Keel																	
Length and thickness of Bilges / of Sheerstrakes / of Strake below	doubled at ends of bridge to 1/2 L																
Poop Sides				7		7											
Bridge Sides		8 × 9				8 × 9											
Fore-castle Sides			7			7											

Write 'Sheer Strake' opposite its corresponding letter.

State actual thickness in way of Double Bottom.

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
Steel Palmers S & I Co, Consett I Co, Dorman Long & Co, South Durham S & I Co Ld
Iron John Hill & Co South Durham S & I Co Ld

Has the Steel been tested as required by the Rules? yes

Upper Deck Stringer Plate {**Butts,** ~~treble~~ quadruple riveted for 3/4 length amidship. ~~**Straps,** single, double or~~ overlapped for whole length amidship.

Middle Deck Stringer Plate {**Butts,** treble riveted ~~for~~ and ~~length amidship.~~ ~~**Straps,** single, double or~~ overlapped for whole length ~~amidship.~~

Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? –

Inner Bottom Plating, riveting of **Edges** ~~centre and next strake treble~~ **Butts** double

Centre Girder Butts, treble riveted **Keelson Butts,** – riveted.

Frames, riveted through Plates with 7/8 in. Rivets, about 6 apart.

Rivets, state whether Iron or Steel iron

FRAMES extend in one length from middle line to tank margin thence to gunwale

REVERSED FRAMES on floors and frames extend from middle line to margin thence to upper deck, alternately to forecastle deck double on floors in E & B space

MASTS, SPARS, &c.

	Material.	Total Length.	At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles Number.	Angles Size.	Riveting Seams.	Riveting Butts.
Lower Masts: Fore	Steel	72-0	20 × 7/20	16 × 6/20	✓	13 1/2 × 6/20	2		✓	Single	Treble
Main	·	63-9	·	·		·	·			·	·
~~Mizen~~											
~~Bowsprit~~											

Topmasts, ~~Yards~~ and Remainder of **Spars** Pitch pine

Rigging, Material and Size, **Shrouds** S. P. W. 3 1/2" . **Stays** 4

Sails. one Suit of fore & aft Sails, ~~and the following spare sails~~

EQUIPMENT No. 34942 LETTER V. ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock Cwts.	qrs.	lbs.	Weight of Stock Cwts.	qrs.	lbs.	Test, per Certificate Tons.	cwts.	qrs.	lbs.	Weight Required by Table 22 Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
4650	1st Bower	47	3	21	Proof test certs for heads supplied			41	2	2	0	47	2	0	Byers Pat Stockless	W. L. Byers & Co	Sld 29/2/04 W. J. Kell
4649	2nd	47	2	21				40	19	1	14	47	2	0	-	-	- -
4615	3rd	40	2	21				36	6	1	0	40	1	0	-	-	24/2/04 - -
	4th																
	Collective weight	136	1	7								135	1	0			
26191	Stream	11	2	23	2	2	21	13	10	0	0	11	2	0	Ordinary	Earl of Dudley	Tipton 10/3/04 C. E. Perrins
26190	Kedge	5	3	19	1	3	7	8	2	3	7	5	3	0	-	-	- 9/3/04 - -

If Patent state name of Patentee. *If Stockless, state Mechanical Tests.*

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	Weight of Chain Cable Supplied.	Per Table 22.	Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.
26775	135	2	72 & 100 8/10	276·0·26	538·3·0	270 × 2	Stud link	Earl of Dudley	Tipton 22/3/04 C. E. Perrins
26776	135	2	- -	276·0·21			- -	- -	- - - -
	270			552·1·19					
~~Iron~~ Stream ~~Chain~~ or Steel Wire	90	4 1/2	39	✓	✓	90 × 4 1/2	S. S. Wire	The Hebburn Rope & Sail Works Ld	28/3/04

HAWSERS AND WARPS.

	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Table 22.
Towline	S. S. W.	120	4 1/2	39	120 × 4
Hawser	- -	90	3 3/4	29	90 × 7 M
Warp	- -	90	3	18	90 × 7
	M. H. 2	90	7	–	2° 90 × 7

Certs for steel wires by The Hebburn Rope & Sail Works Co Ld 28/3/04

Boats 7 life boats and 2 others

Pumps, Number as per approved plan {Manual flywheel pump to hold suctions Diameter of Barrel State whether they are in efficient working order yes

Windlass is by Emerson Walker, Thompson Bros Ld ~~Capstan~~

Engine Room Skylights.—How constructed? steel plates and angles with wood flaps

What arrangements for deadlights in bad weather? glass bullseyes in wood flaps

Coal Bunker Openings.—How constructed? steel plates & angles How are lids secured? bars and tarpaulins Height above deck? 15 above bridge deck

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** 7 scuppers and 8 freeing ports 30" × 15 on each side

Ceiling in Holds, thickness and material 2 1/2" WP **Ceiling 'tween Decks,** thickness and material 2" wp

Cargo Hatchways.—How formed? steel plates and angles **Hatches,** If strong and efficient? yes

State size **No. 1 Hatch** (Forward) 25 × 16 **No. 2 Hatch** 27-1 × 16 **No. 3 Hatch** 10-5 × 16 **No. 4 Hatch** 27-1 × 16 Nos 5 27-1 × 16

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch 2 web plates and 3 fore & afters in each large hatch

Bulwarks, height above deck and description 4-3 of 5/20 plate **No. of Breasthooks** 7 and deep floors **No. of Crutches** 3 and deep floors

Main Rail, material and size 6 1/2 × 3 bulb angle

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

Builder's Signature (here only) R. W. Brydon Secretary.

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

Form No. 1B.

MON. 18 APL 1904

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with this case*) 19th Octr 1903 "M" 24th Nov 1903 "E" Freeboard 6th April 1904 "M"

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 plating? a few

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

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? yes State results of tests good

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? yes State results of tests good

General Remarks (State quality of workmanship, &c.) The workmanship is good and the vessel has been built in accordance with the approved plans (4 in number) which together with the Forgings Report are attached hereto
Vessel placed in dry dock before completion bottom cleaned examined & recoated

Drawings
Midship Section Forward Sections
(2) Profile Pumping Arrangements

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 29 ft., R.Q.D. or Break ✓ ft., Bridge Dk. 100 ft., F'castle 32 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) 1 Dk (Iron) 2 tiers Bms & deep framing 3 Dk rule

Official No. 118811 ; 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 or with girders on floors cellular

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, and under engines	135-5	439	~~Fore peak tank,~~		
~~Double bottom, under Engines and Boilers,~~			After peak tank,		45
~~Double bottom, if under Engines only,~~			~~Midship deep tank,~~		
~~Double bottom, if under Boilers only,~~			~~Other tanks, if fitted,~~		
Double bottom, forward,	145-10	469 (908)	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules yes

Order for Special Survey No. 1920
Date 2nd Nov. 1903
No. 682 in builder's yard.

Dates of Surveys held while building: 1903. Novr. 3. 5. 9. 10. 11. 12. 14. 17. 18. 20. 23. 25. 26. 30. December. 1. 2. 3. 4. 8. 9. 10. 11. 12. 14. 15. 17. 18. 19. 22. 23. 24. 29. 30. 31. 1904. January. 4. 5. 6. 7. 8. 9. 11. 12. 13. 14. 15. 18. 19. 20. 21. 22. 23. 25. 26. 27. 28. 29. February. 1. 2. 3. 5. 8. 10. 11. 12. 15. 16. 18. 19. 22. 23. 24. 25. 26. 29. March. 1. 3. 25. 26. 29. 30. 31. April. 7.

Total No. of Visits 82.

The amount of Entry Fee £ 5 : :
Special Survey Fee £ 09 : 0 : 6
Travelling Expenses, if any £ : :

Fees applied for, 15. 4. 1904
Received by me, 15. 4. 1904

Certificate to be sent to West Hartlepool.

State whether the Vessel has been built under Special Survey yes
I am of opinion this Vessel should be Classed ✠100A1
With, or without Freeboard, as condition of Class without

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

Committee's Minute TUES. 19 APL 1904
Character assigned 100A1 Steel
Lloyd's ~~[illegible]~~
+ LMC 4, 04

The Surveyors are requested not to write on or below the Committee's Minute.

Certificates Issued. 9/4/04.

W923-00692/2

© 2020 Lloyd's Register Foundation