

PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.							
		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.		RIVETS.		STRAPS.		IF LAPPED.			
		Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Diam.	Spacing.	Breadth.	Thickness.	Breadth.	Thickness.		
Flat Plate Keel.....		36	18	12	12	36	18	12	12	12	12	12	12	12	12	12	12		
Garboard or A Strake.....		45	13	11	11	45	13	11	11	45	13	11	11	45	13	11	11		
B ".....		65	11	9	12	65	11	9	12	65	11	9	12	65	11	9	12		
C ".....		65	11	9	14	65	11	9	14	65	11	9	14	65	11	9	14		
D ".....		59	12	10	14	59	12	10	14	59	12	10	14	59	12	10	14		
E ".....		57	13	10	14	57	13	10	14	57	13	10	14	57	13	10	14		
F ".....		54	11	9	11	54	11	9	11	54	11	9	11	54	11	9	11		
G ".....		60	12	9	9	60	12	9	9	60	12	9	9	60	12	9	9		
H ".....		62	11	9	9	62	11	9	9	62	11	9	9	62	11	9	9		
J ".....		44	13	10	10	44	13	10	10	44	13	10	10	44	13	10	10		
K Sheer.....		55	10			55	10			55	10			55	10				
L Bridge.....		29	11			29	11			29	11			29	11				
M Sides.....																			
N ".....																			
O ".....																			
P ".....																			
Q ".....																			
R ".....																			
Doubling of Flat Plate Keel.....		Flat keel plate increased $\frac{3}{16}$ Garboard $\frac{1}{16}$ & Sides bottom angles $\frac{1}{16}$ all for $\frac{1}{2}$ in lieu of keel dble.																	
Length and thickness of Bilges.....		at ends of Bridge for 20 feet																	
Length and thickness of Sheerstrakes.....		7																	
Length and thickness of Strake below Poop Sides.....		7																	
Length and thickness of Strake below Bridge Sides.....		7																	
Length and thickness of Strake below Fore-Castle Sides.....		7																	
<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, Plating, &c.? Steel Plates:- Corbett & South Durham Iron Plates:- John Hill Steel Angles:- Palmers, Corbett, Wislaw Iron Angles:- South Durham Has the Steel been tested as required by the Rules? Yes</p>																			
<p>FRAMES extend in one length from Middle Line to Tank side & thence to Gunwale. REVERSED FRAMES on floors and frames extend from to Upper Deck on every frame. To 7th Stk on alternate frames.</p>																			
MASTS, SPARS, &c.																			
<p>LOWER MASTS..... Fore Main Mizzen Bowsprit..... Topmasts, Yards and Remainder of Spars Pitch Pine Rigging, Material and Size, Shrouds 3 1/2 in Sails, M Suit of Sails, and the following spare sails</p>																			
EQUIPMENT No. 32809 LETTER W ANCHORS.																			
<p>Number of Certificate. Anchors. Weight, Ex. Stock. Weight of Stock. Test, Per Certificate. Weight required by Table 22. Description of Anchor. Makers. Where and when tested and Superintendent.</p>																			
<p>5574 1st Bower ... 45 3 7 ... 39 15 3 21 ... 45 2 0 ... Reliance Byers Sld Sept 16, 1904</p>																			
<p>5796 2nd " ... 45 3 0 ... 39 14 1 14 ... 45 2 0 ... Reliance Byers Sld Nov 9, 1904</p>																			
<p>5822 3rd " ... 40 0 0 ... 35 15 0 0 ... 39 0 0 ... Reliance Byers Sld Nov 18, 1904</p>																			
<p>4th " ... Cast Steel Anchor Heads certified by Campbell & Nock.</p>																			
<p>27234 Stream ... 11 1 14 ... 13 15 0 0 ... 11 1 0 ... Ordinary Earl of Dudley 13 Dec 1904</p>																			
<p>27233 Kedge ... 5 1 17 ... 7 14 0 7 ... 5 2 0 ... Ordinary C. Perrins</p>																			
CHAIN CABLES.																			
<p>Number of Certificate. Fathoms. Size. Test per Certificate. Weight of Chain Cable. Fathoms and Size per Table 22. Description. Makers of Cables. When and where tested, and Superintendent.</p>																			
<p>28072 135 1 1/2 ... 260 3 25 ... 270 1 1/2 ... Steel Earl of Dudley 13 Dec 1904</p>																			
<p>28073 135 1 1/2 ... 260 2 1/2 ... 270 1 1/2 ... Steel C. Perrins</p>																			
<p>100 Stream ... 90 4 1/2 ... 90 4 1/2 ... Steel Earl of Dudley 13 Dec 1904</p>																			
HAWSERS AND WARPS.																			
<p>Number of Certificate. Fathoms. Size. Test per Certificate. Weight of Hawser. Fathoms and Size per Table 22. Description. Makers of Cables. When and where tested, and Superintendent.</p>																			
<p>28072 135 1 1/2 ... 260 3 25 ... 270 1 1/2 ... Steel Earl of Dudley 13 Dec 1904</p>																			
<p>28073 135 1 1/2 ... 260 2 1/2 ... 270 1 1/2 ... Steel C. Perrins</p>																			
<p>100 Stream ... 90 4 1/2 ... 90 4 1/2 ... Steel Earl of Dudley 13 Dec 1904</p>																			
<p>Boats Two Life 22'0" Two Tolly 16'0" Pumps, Number One Fly wheel hand pump connected to Suction in each hold. Windlass is Garrison Walker & Thompson No. (Steam) Capstan Six Steam winches. Engine Room Skylights. How constructed? Steel plates & angles What arrangements for deadlights in bad weather? Bulls eyes Coal Bunker Openings. How constructed? Steel plates & angles Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. way of bridge (through sides) Freeing ports 3 pair aft Well. 2 pair fore Well 3-0 x 1-6 Ceiling in Holds, thickness and material 2 1/2 W. W. double in way of Hatch. Ceiling 'tween Decks, thickness and material 2" Battens Cargo Hatchways. How formed? Steel plates and angles State size No. 1 Hatch (Forward) 24 x 16 No. 2 Hatch 24 x 16 No. 3 Hatch 24 x 16 No. 4 Hatch 24 x 16 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 2 Web plates & 3 Fore & Afters in each Hatch. No. of Breasthooks Seven No. of Crutches Deep floors Bulwarks, height above deck and description 4'0" Steel plate & iron stanchions Main Rail, material and size 5 1/2 x 3 x 1/2 Steel Bull Angle The above is a correct description. Builder's Signature (here only) per pro. ROPNER & SON, Surveyor's Signature Henry C. 7. Ireland. 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 this case)
 24th Feb 1904 (M) 25th April (E) & 5th May 1904 (M) 21st June (M) 1904 10 March (M) 1905

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 facing 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 **Satisfactory**

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

General Remarks (State quality of workmanship, &c.) **This Steel Screw Steamer has been built in accordance with the approved plans of Midship Section & Profile as amended, the Secretary's letters on the above mentioned dates bearing upon the case, and in other respects as required by the Rules and Circular for the class contemplated. Sister vessel to the "Granite" Mch 7th Rpt No 3973**
The workmanship is good throughout.
She has a Bilge Keel framed of a Bull plate 9 x 3/20 and Lee Bar (6 x 1/2 x 1/2) fitted for 1/3 of the vessels length.
Deck stops to the tiller quadrant have not been fitted.
The steering quadrant is not geared direct on to the steam steering engine, nor has a brake been fitted. A letter from the owners agreeing to the omission of the deck stops is attached.
The hand & steam steering gear run working satisfactorily.
Two casting & 7 riving Reports & 5 plans (409) & 2 7/8 plans 414 attached.
 The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop **28'9 1/2** ft., R.Q.D. or Break **166** ft., Bridge Dk. **35'16** 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) **Deck (pt in pt stl) 2 Lrs of B & Web Frames.**

Official No. **120512**; Signal Letters **W**

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 & B.**

Where fitted.	Length.		Water Capacity.	Where fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft.	106	247	Fore peak tank,	16	91		
Double bottom, under Engines and Boilers.	22	62	After peak tank,				
Double bottom, if under Engines only,	140	354	Midship deep tank,				
Double bottom, if under Boilers only,			Other tanks, if fitted,				
Double bottom, forward,			(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. **660**

Date **10.9.04**

No. **414** in builder's yard.

Dates of Surveys held while building

1904 Aug 30. Sep 5. 8. 12. 15. 20. 20. 22. 26. 27. 30. Oct 3. 6. 10. 14. 17. 21. 26. 27. 28. Nov 1. 2. 3. 4. 10. 11. 14. 16. 17. 21. 24. 28. 30. Dec 22. 26. 27. 28. 30. 1905 Jan 5. 6. 6. 9. 11. 12. 14. 20. 23. 24. 25. 26. 27. 30. Feb 3. 8. 24. 27. March 1. 4. 8. 9. 13. 14. 23. 24. 27. 28. 29. 30. 31. Apr 2. 5.

Total No. of Visits **84**

The amount of Entry Fee £ **5** 0 0

Special Survey Fee £ **9** 3 0

Travelling Expenses, if any £ **0**

Fees applied for, **11. 4. 1905**

Received by me, **RWD**

Certificate to be sent to **Henry C 7 Ireland**

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

Committee's Minute **FRI 14 APR 1905**

Character assigned **100 T (Stl)**

Carco + Lms 4.05

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