

WED. 29 JUN 1893

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.	EDGES.	BUTTS.				IF LAPPED.								
	AMIDSHIP.	FORWARD.	AFT.	THICKNESS.			SINGLE OR DOUBLE.	RIVETS.	DOUBLE OR TRIPLE FOR WHAT LENGTH.	RIVETS.		STRAPS.							
													BREADTH.	THICKNESS.	BREADTH.	THICKNESS.			
FLAT PLATE KEEL.....	48	24	17	17	24	Double	6	1	1/4	19	18x15								
GANGWAY OF A STRAKE.....	51	15	14	14	15	Double	6	1	1/4	19	18x15								
AB.....	52	13	11	11	13	Double	6	1	1/4	19	18x15								
C.....	46	14	12	12	14	Double	6	1	1/4	19	18x15								
D.....	54	13	11	11	13	Double	6	1	1/4	19	18x15								
E.....	46	14	12	12	14	Double	6	1	1/4	19	18x15								
F.....	48	16	13	13	16	Double	6	1	1/4	19	18x15								
G.....	64	15	12	12	15	Double	6	1	1/4	19	18x15								
H.....	46	15	12	12	15	Double	6	1	1/4	19	18x15								
J.....	54	15	12	12	15	Double	6	1	1/4	19	18x15								
K.....	46	15	12	12	15	Double	6	1	1/4	19	18x15								
L.....	54	14	11	11	14	Double	6	1	1/4	19	18x15								
M.....	46	15	12	12	15	Double	6	1	1/4	19	18x15								
N.....	52	14	11	11	14	Double	6	1	1/4	19	18x15								
O.....	46	15	12	12	15	Double	6	1	1/4	19	18x15								
P.....	52	16	11	11	16	Double	6	1	1/4	19	18x15								
Q.....	46	16	13	13	16	Double	6	1	1/4	19	18x15								
R.....	46	16	13	13	16	Double	6	1	1/4	19	18x15								
DOUBLING OF PLATE KEEL.....	Bore plate and plate above and below increased 1/2 over thickness					Double													
Length and thickness of Sheerstrakes.....	Doubled 3/4 the length					Double													
Length and thickness of Strake below keel.....	Doubled 3/4 the length					Double													
BRIDGE SIDES.....	11x9	8	8		11x9														
BRIDGE SIDES.....	8x7				8x7														
PORT AND STERN STOPS.....																			

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. "Black Row Vanham."
"W. & A. L. Consett Iron Co."
"Dorman Long & Co."

Has the Steel been tested as required by the Rules? **Yes.**

Upper Deck (Butts, treble riveted in quadruple all length amidship. Stringer Plate (Straps, single, double or overlapped for whole length amidship. Middle Deck (Butts, treble riveted for whole length amidship. Stringer Plate (Straps, single, double or overlapped for whole length amidship. Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? **treble**. Inner Bottom Plating, riveting of Edges **double**. Butts **double**. Centre Girder Butts, **treble** riveted. Keelson Butts, **treble**. Frames, riveted through Plates with **7/8** in. Rivets, about **5 1/4** apart. Rivets, state whether Iron or Steel **Iron**.

FRAMES extend in one length from **tank sides** to **gunwale**. REVERSED FRAMES on floors and beams are **double**, under engine and boiler space. middle line to tank sides; floors at other parts flanged; bulk 9 ft framing.

MASTS, SPARS, &c.

	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Head.	Number.		Size.	Stems.	Butts.	
Fore Mast.....	Steel	82.0	29x7/16	26x7/16	24x7/16	19x7/16	2	Single	treble		
Main Mast.....	Steel	84.0	29x7/16	26x7/16	24x7/16	19x7/16	2	Single	treble		
Mizen Mast.....	Steel	84.0	29x7/16	26x7/16	24x7/16	19x7/16	2	Single	treble		
Topmasts, Yards and Remainder of Spars.....	Steel	67.0	29x7/16	26x7/16	24x7/16	19x7/16	2	Single	treble		

Rigging, Material and Size, Shrouds **13** charcoal iron wire **1 1/2** & **1 1/4**. Stays **13** charcoal iron wire **1 1/4** & **1 1/2**. Sails, **One** Suit of fore and aft. Sails, and the following spare sails.

EQUIPMENT No. **65802** LETTER **27**. ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.		WEIGHT REQUIRED BY TABLE 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	lbs.	Cwts.	lbs.			
31773	1st Bower	69	1	14	10	Reliance Pat. M.S. 13/99	11/9/99	
31772	2nd "	69	0	14	10	Reliance Pat. M.S. 13/99	11/9/99	
31768	3rd "	68	3	14	10	Reliance Pat. M.S. 13/99	11/9/99	
31804	4th "	67	0	14	10	Reliance Pat. M.S. 13/99	11/9/99	
39614	Stream	25	1	6	0	Common S.S. 13/99	11/9/99	
39577	Kedge	12	2	10	8	Common S.S. 13/99	11/9/99	

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Description.	Makers of Cables.	When and where tested, and Superintendent.
				Supplied.	Per Table 22.			
25550	150	2 1/2	112 1/2	47 1/2	300	Steel	Netherland 13/99	
25548	150	2 1/2	112 1/2	47 1/2	300	Steel	Netherland 13/99	
28428	120	1 1/2	54	116 3/4	120	Steel	Netherland 13/99	

Boats **Four** life and two others. Pumps, Number **Asper** approved plan. Diameter of Barrel **6** in. State whether they are in efficient, working order **Yes**. Windlass is **Clarke Chapman & Co's** for **Coastal** **Van** **Steam** **winch**. **Good**. Engine Room Skylights—How constructed? **Iron** hood on iron casing **7** ft above upper **B**. deck. What arrangements for deadlights in bad weather? **Thick** glass bulls eyes in iron lids. Coal Bunker Openings—How constructed? **Plate** coaming. How are lids secured? **Water** **Waters**. Height above deck? **15** in. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. **One** **one** **scupper** each side on **Cattle** **deep**. Ceiling in Holds, thickness and material. **2 1/2** **"** **RP** **ceiling**. Ceiling 'tween Decks, thickness and material **2** **"** **RP** **sparring**. Cargo Hatchways—How formed? **Plate** **coaming**. Hatches, If strong and efficient? **Colia** **S** **WP**. State size No. 1 Hatch (Forward) **20** **x** **13**. No. 2 Hatch **25** **x** **13**. No. 3 Hatch **25** **x** **13**. No. 4 Hatch **20** **x** **13**. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch **Two** **web** **plates** **straps** **one** **after** **in** **each** **hatchway**. No. of Breasthooks **6** **x** **13** **ft** **one** **on** **each** **side** **on** **Cattle** **deep**. No. of Crutches **3** **x** **13** **ft** **one** **on** **each** **side** **on** **Cattle** **deep**. Bulwarks, height above deck and description **open** **rails** **stanchions** **one** **on** **each** **side** **on** **Cattle** **deep**. The above is a correct description. **FURNISS, WITBY & CO. LIMITED.** Surveyor's Signature **CR Burney**. Builder's Signature (here only) **Peck, Wells**. Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)
1897: 22nd Feb. 4. 22nd Feb. 4. 26th Feb. 4. 6th Mar. 4. 12th Mar. 4. 20th Mar. 4. 15th Apr. 4. 16th July 4.

Workmanship. Are the butts of plating planed or otherwise fitted? **Planed.** 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? **No.**

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.) **The workmanship is good, and the vessel has been constructed in accordance with the approved plans 9 in number, which together with the Reports on the forgings and castings are attached hereto. The fore peak has been tested, by filling with water to load line height; tunnel tested by a strong force of water from hose, and found satisfactory. The vessel is fitted with electric light installation, the Report of which has not yet received from the electrician.**

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop **8 1/2** ft., R.Q.D. or Break **At**, Bridge Dk. **2 1/2** ft., F'castle **103** ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Poop and Bridge also **Join** **at** **Bridge**, joined by high bulwarks & portable dk. forming continuous shelter dk. **Bridge** **102** ft. on shelter dk. 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) **Two** **decks** **(S.S.)** & **shelter** **dk.** **(S.S.)** & **web** **gins.** Official No. **235**; Signal Letters **None**. 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.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft,	142 1/2	417.	Fore peak tank,		
Double bottom, under Engines and Boilers,	62 1/2	269.	After peak tank,		
Double bottom, if under Engines only,			Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	206.	748.	(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. **1692**. Date **18th June 1893**. No. **235**, in builder's yard. Dates of Surveys held while building **1894: Apr. 30. May 11. 19. 20. 25. 27. 28. June 2. 3. 11. 16. July 1. 6. 7. 8. 14. 15. 16. 19. 21. 22. 27. 29. 30. Aug. 3. 5. 12. 16. 18. 25. 31. Sept. 6. 7. 9. 13. 15. 21. 23. 28. Oct. 1. 4. 7. 11. 13. 18. 19. 20. 21. 22. 25. 26. 27. 29. Nov. 1. 3. 4. 8. 11. 17. 18. 19. 22. 24. 25. 26. 30. Dec. 1. 7. 9. 13. 15. 16. 20. 21. 23. 1898: Jan. 5. 7. 12. 13. 14. 19. 20. 21. 24. 25. 27. 28. Feb. 2. 7. 9. 10. 17. 18. 22. 23. 25. Mar. 4. 8. 15. 21. 23. Apr. 2. May 9. 11. 13. 19. 23. 26. 27. June 3. 8. 10. 13. 15. 17. 18. 20. 21. 22. 23.** Total No. of Visits **131**.

The amount of Entry Fee..... **5** : : Fees applied for, **27** **6** **1898**. Special Survey Fee..... **420** **3** : : Received by me, **27** **6** **1898**. Travelling Expenses, if any £ : : **None**.

I am of opinion this Vessel should be Classed **100A1 Steel**. Certificate to be sent to **WEST HARTLEPOOL**. With or without Freeboard, as condition of Class **With**. Surveyor to Lloyd's Register of British and Foreign Shipping. **CR Burney**.

Committee's Minute **FRI. 1 JUL 1893**. Character assigned **100A1 (S.S.)**. **2** **dk.** **(S.S.)** & **web** **frames** & **shelter** **dk.** **(S.S.)**. **ash** **P.** & **2** **mk.** **6** **98**. **Elect.** **light.**