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<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. <i>Bolckow Vaughan & Co.</i></p> <p><i>South Durham. Consell</i></p> <p><i>Palmer's S.B. & Iron Co.</i></p> <p><i>Process: Siemens Martin</i></p> <p>Has the Steel been tested as required by the Rules? <i>yes.</i></p>																																																																																																																																																																																																																																																																																																																																																																								
<p>FRAMES extend in one length from <i>Tank margin</i> to <i>deck, & centre line & margin plate in tanks</i></p> <p>REVERSED FRAMES on floors and frames extend from <i>Centre line & tank margin, girders elsewhere except in peaks where riv. bars extend to SK at after end & at fore end to SK & fore-castle dk. after 4</i></p>																																																																																																																																																																																																																																																																																																																																																																								
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A. N. 2. 3 x 4 = 2 W. 3 F. A.</i></p> <p>No. of Breasthooks <i>Four</i> No. of Crutches <i>Deep floors</i></p> <p>Bulwarks, height above deck and description <i>Steel plating, bull plate stays</i> Main Rail, material and size <i>Steel 7"</i></p> <p>The above is a correct description.</p> <p>Builder's Signature (here only) <i>John Blumner</i> Surveyor's Signature <i>J. Allan L. Denton</i></p> <p>Surveyor to Lloyd's Register of British and Foreign Shipping.</p> </td> </tr> </tbody> </table>																				Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	RIVETING.				At Partners.	Heel.	Round.	Head.	Number.	Size.	Seams.	Butts.	LOWER MASTS.....	Steel	42	19 x 7/16	16 x 7/16	15 x 1/2	14 x 9/16	2	—	—	Single	Double	Main	"	44	"	"	"	"	—	—	"	"	Mizen	"	"	"	"	"	"	—	—	"	"	Bowsprit.....	Wood										Topmasts, Yards and Remainder of Spars	Wood										Rigging, Material and Size, Shrouds	Steel Wire 3 1/2										Sails.	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A. N. 2. 3 x 4 = 2 W. 3 F. A.</i></p> <p>No. of Breasthooks <i>Four</i> No. of Crutches <i>Deep floors</i></p> <p>Bulwarks, height above deck and description <i>Steel plating, bull plate stays</i> Main Rail, material and size <i>Steel 7"</i></p> <p>The above is a correct description.</p> <p>Builder's Signature (here only) <i>John Blumner</i> Surveyor's Signature <i>J. Allan L. Denton</i></p> <p>Surveyor to Lloyd's Register of British and Foreign Shipping.</p>																		
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<p>Boats <i>Four</i></p> <p>Pumps, Number <i>Downing</i> Diameter of Barrel <i>4 1/2</i> State whether they are in efficient working order <i>yes</i></p> <p>Windlass is <i>Emerson Walker & Thompson Bros</i> Capstan</p> <p>Engine Room Skylights.—How constructed? <i>Steel plates & angles.</i></p> <p>What arrangements for deadlights in bad weather? <i>Alu-plated lids & bulls eyes.</i></p> <p>Coal Bunker Openings.—How constructed? <i>Bull angle coverings</i> How are lids secured? <i>Tan-pauline & chato</i> Height above deck? <i>11"</i></p> <p>Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. <i>6 scuppers. 7 freeing ports 2' 6" x 1' 6"</i></p> <p>Ceiling in Holds, thickness and material. <i>Pine 2 1/2</i> Ceiling 'tween Decks, thickness and material. <i>Spanning 2"</i></p> <p>Cargo Hatchways.—How formed? <i>Steel plates & angles</i> Hatches, If strong and efficient? <i>yes.</i></p> <p>State size No. 1 Hatch (Forward) <i>20 x 16</i> No. 2 Hatch <i>24 x 16</i> No. 3 Hatch <i>24 x 16</i> No. 4 Hatch <i>22 x 16</i></p> <p>Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. <i>N. 1. 1 W. 3 F. A. N. 2. 3 x 4 = 2 W. 3 F. A.</i></p> <p>No. of Breasthooks <i>Four</i> No. of Crutches <i>Deep floors</i></p> <p>Bulwarks, height above deck and description <i>Steel plating, bull plate stays</i> Main Rail, material and size <i>Steel 7"</i></p> <p>The above is a correct description.</p> <p>Builder's Signature (here only) <i>John Blumner</i> Surveyor's Signature <i>J. Allan L. Denton</i></p> <p>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) *17.4.02.*

30 Ap. 02 8 July 02. 18 July 02. 30 July 02. (See also correspondence relating to duplicate No. 165-68)

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? *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.)

This vessel has been built in accordance with the approved plans and generally in accordance with the rules. The workmanship throughout is good. The following approved plans are enclosed herewith viz:—

Midship Section; Profile; Pumping plan; Punting Beams & Stringers; Cast steel padder; and Cast steel stern frame.

Two casting reports are also enclosed.

N.B. The above vessel is a duplicate of the same builders S.S. 'Rose Lea' yard No. 167. See Report No. 21068 and several previous vessels.

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* ft., R.Q.D. or Break *—* ft., Bridge Dk. *90* ft., Fore-castle *32* ft. (In feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

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 DH (pl. Iron & pl. SH) deep framing & web frames.*

Official No. *113,733*; Signal Letters

How are the surfaces preserved from oxidation? Inside *Paint & Cement* 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.	
		Feet.	Tons.			Feet.	Tons.
Double bottom, aft.	<i>110</i>	<i>34.6</i>		Fore peak tank,			
Double bottom, under Engines and Boilers,	<i>40</i>	<i>11.9</i>		After peak tank,		<i>11.0</i>	
Double bottom, if under Engines only,				Midship deep tank,			
Double bottom, if under Boilers only,				Other tanks, if fitted,			
Double bottom, forward,	<i>124</i>	<i>33.7</i>		(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. *4391*

Date *11th April 1902*

No. *169* in builder's yard

Dates of Surveys held while building

1902.—May. 26. 29. June. 2. 3. 10. July. 7. 16. 21. 24. 31. Aug. 7. 8. 14. 19. 29. Sep. 2. 5. 10. 12. 16. 18. 19. 22. 23. 30. Oct. 4. 16. 20. 21. 22. 24. Nov. 3. 5. 6. 7. 10. 14. 19. 24. 27.

Total No. of Visits *41*

The amount of Entry Fee.....£ *5* : : *15. 11. 02*

Special Survey Fee ...£ *91* : *11* : *6*

Travelling Expenses, if any £ : : *17. 11. 02*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *+100 AL.*

With, or without Freeboard, as condition of Class *Without*

Committee's Minute *FRI. 5 DEC 1902*

Character assigned *100A Steel*

Lloyd's Register

+ June 11, 02

J. Allan L. Denton

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