

Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. 48 Port Belfast)

'Pioneer'
4000 Bell

No. 87 SHIP ~~FORGINGS OR~~ CASTINGS.

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.

I have to report that the undermentioned ~~Iron or Steel Forgings or~~ Castings, manufactured by Barrow Hematite Steel Co of Barrow for the Vessel No. 48, being built by M^r D Lwanie & D^o Boll of Belfast have been inspected by me as set forth below, and found to be, so far as can be seen, Satisfactory

Gasparthoff
Barrow

Castings
Mark on Forgings.

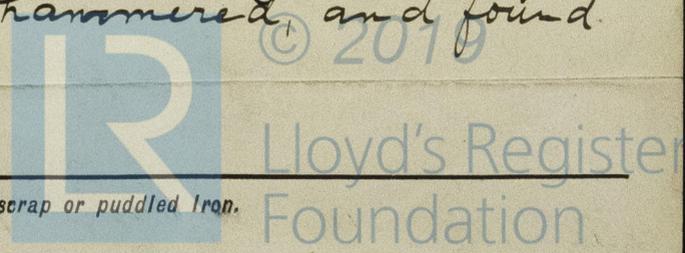
Lloyd's
No. 87
18 5.91

	STERN FRAME.	RUDDER FRAME.	STEM.
Material*	<u>Siemens Martin Steel</u>		
How made	<u>Cast & Annealed</u>		
Dimensions			
Progress on Inspection	<u>Cast - Dressing & Finished</u>		
Dates when Inspected	<u>May 14th 12th 13th</u> <u>& 28th</u>		

SKETCHES OF FRAMES SHEWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS, OR PARTICULARS OF TESTS APPLIED TO CASTINGS.

	Dia	Area	Ultimate Stress	Ex in	Cont ⁿ	Cold
Purpose	in ins	in ins	Tons Sq in tons	ins	Area	Bend
<u>Stern Frame</u>	<u>1.13</u>	<u>1.00</u>	<u>30.35</u>	<u>19</u>	<u>43.6</u>	<u>C</u>

S tern I ranee raised to an angle of 45 degrees & let fall. Then swung, hammered, and found satisfactory



* If of Iron, state whether scrap or puddled Iron.

48

Castings on Stern
frame

Aug 1st 1891

S.S. Pioneer

Per Rpt

At 4000



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Foundation