

# Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. 48 Port Belfast)

'Pioneer'  
4000 Bell

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

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<sup>r</sup> D. Swaney & M<sup>rs</sup> E. Coll of Belfast have been inspected by me as set forth below, and found to be, so far as can be seen, Satisfactory

James Bartholomew  
Barrow

Castings  
Mark on Castings.

Lloyd's  
No. 87  
18 5.91

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

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

	Wia	Area	Ultimate Stress	Ex in	Cont <sup>n</sup>	Cold
Purpose	in ins	in ins	Totals Sq in tons	8 ins	Area	Bend
<u>Stern Frame</u>	<u>1.13</u>	<u>1.00</u>	<u>30.35</u>    <u>30.35</u>	<u>19</u>	<u>43.6</u>	<u>C</u>

Stern & rudder raised to an angle of 45 degrees & let fall. Then swung, hammered, and found Satisfactory



48

Castings on Stern  
frame

Aug 1<sup>st</sup> 1891

S.S. Pioneer

Bel Rpt

At 4000



© 2019

Lloyd's Register  
Foundation