



Received at

13

# Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. 4328 Port Belfast)

No. 159

## 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 The Barrow Haematite Steel Co of Barrow for the Vessel No. 104, being built by Messrs. Wigham Clark & Co. L<sup>td</sup> of Belfast have been inspected by me as set forth below, and found to be, so far as can be seen, Satisfactory

Mark on Forgings.

Lloyd's  
No. 159  
7.93.

	STERN FRAME.	RUDDER FRAME.	STEM.
Material*			<u>Siemens Martin Steel</u>
How made			<u>Cast and Annealed</u>
Dimensions			
Progress on Inspection			
Dates when Inspected			<u>Cast, Dressing finished</u> <u>July 27<sup>th</sup> Oct. 3<sup>rd</sup> /93</u>

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

Purpose	Diameter inches	Area inches	Ultimate stress in tons		Extension in 8 inches	Contraction of Area	Cold Bends
			Total	Y <sub>2</sub> inch			
<u>Stem</u>	<u>1.14</u>	<u>1.02</u>	<u>34.28</u>	<u>33.6</u>	<u>15.0</u>	<u>26.8</u>	<u>180°</u>

Stem raised to a height of 12 ft. and dropped then slung in chains and hammered.

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SHIP FORGINGS OR CASTINGS

104

casting

stem

M. Norris

"Ardaross"

Del. Rpt No 4328



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