

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

Received at



18

# Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. 4328 Port Belfast)

## No. 159 SHIP FORGINGS OR CASTINGS.

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. Workman Clark & Co. Ltd. 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	Area	Ultimate stress in tons		Extension	Contraction	Cold
	inches	inches	Total	1/2 inch	in 8 inch	of Area	Bend
<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.



J. M. Johnstone.

16/11/93



104

casting

stem

21 Nov 93

"Ardanross"

Del. Rpt No 4328



© 2019

Lloyd's Register  
Foundation