

*A. S. Gaffoe*

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# Lloyd's Register of British and Foreign Shipping.

(Report on Machinery, No. 8895 Port WEST HARTLEPOOL.)

## No. 50 ENGINE 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 ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by Eisenthalfabrik Fried Krupp of Essen 9d Ruhr. for the Engines No. 138 being constructed by Messrs. W Gray & Co Lim. of West Hartlepool for the Ship No. ~~175~~ 175 being built by ~~Robert Millar & Co Limited~~ of W Hartlepool. have been inspected by me as set forth below, and found to be, so far as can be seen, free from surface marks or defects.

6 Collared parts and 3 pins for a 3 throw crank shaft.

Mark on Forgings.

Lloyd's  
No. 69  
J.M.

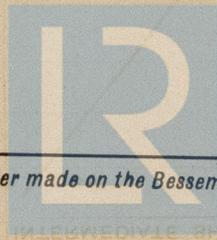
*Düsseldorf 21 December 91.*  
*Johannes Meijer*

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* - -	<u>Martin Steel.</u>	/	/	/
How made - -	<u>Forged.</u>	/	/	/
Dimensions - -	<u>11" diam.</u>	/	/	/
Progress on In- spection - -	<u>rough turned</u>	/	/	/
Dates when In- spected - -	<u>14 &amp; 18 Dec.</u> <u>1891.</u>	/	/	/

### PARTICULARS OF TESTS APPLIED TO CASTINGS:-

*A. tensile test gave the following result:  
area of sample .4052 Breaking Strain 13.10 Tons.  
Strength p. Inch<sup>2</sup> 27.1 Elongation 27 %.*

\*If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Bessemer or the Siemens-Martin process.



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