

Received at

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Lloyd's Register of British and Foreign Shipping.

(Report on Machinery, No. *1518* Port *Hamburg*)

No. *15*. ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by *Fried Krupp* of *Essen* for the Engines No. *60* being constructed by *Messrs Blohm & Voß* of *Hamburg* for the Ship No. *68*, being built by *Messrs Blohm & Voß* of *Hamburg* 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.

One tensile test made has given the following results.

Area *0.4052*, Breaking strain *12.99*, per inch² *26.7*, elong. *20%*.

The shaft is a built shaft with three cranks.

Mark on Forgings.

Lloyd's

No. *15*.

M. *7.5.89*.

Düsseldorf 29 May 1889.

Johannes Meier

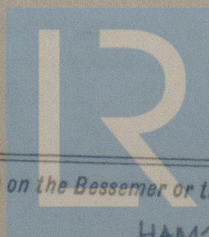
	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	<i>Siemens Martin.</i>			
made	<i>Forged.</i>			
ensions	<i>Diam 12 1/16 Strokes 20 1/4</i>			
ression In- pection	<i>Before Finishing.</i>			
s when In- pected	<i>7 May 89</i>			

PARTICULARS OF TESTS APPLIED TO CASTINGS:-

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

[T.&S.-2000-53/88-Trans Ink.]

Manufacturer's name or trade mark, *Fried. Krupp, Essen & Höder & Bergwerth Hütten Verein, Essen.*
The above is a correct description.
Builder's Signature, *Meyer, Düsseldorf.*



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