

## Lloyd's Register of British and Foreign Shipping.

(Report on Machinery, No.

9298

Port WEST HARTLEPOOL.)

No. 84.

## ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by the *Gussstahlfabrik Fried Krupp of Essen 7d Ruhr.* for the Engines No. *2/450* being constructed by the *Centr. Marine Engine Works.* of *West. Hartlepool.* for the Ship No. *"Twilight"* being built by *Furness Withy & Co* of *Hartlepool.* have been inspected by me as set forth below, and found to be, so far as can be seen, *sound and free from surface marks.*

*6 collared parts and 3 pins for a built shaft.*  
*Engine No. 165*

Mark on Forgings.

Lloyd's

No. 122

JM 8. 93.

Düsseldorf 2 September 1893.

Johannes Meijer

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* -	<i>Siemens Martin</i>	/	/	/
How made -	<i>Forged.</i>			
Dimensions -	<i>9 3/4" diam.</i>			
Progress on Inspection	<i>rough turned.</i>			
Dates when Inspected	<i>31. Aug. 1 Sept.</i>			

## PARTICULARS OF TESTS APPLIED TO CASTINGS:

Tensile Test.

*area of sample .4052 breaking strain 14.56*  
*tensile strength per sq Inch 30 Tons.*  
*elongation in 8 Inches 23.5%.*

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