

**Lloyd's Register of British & Foreign Shipping.**

(Report on Machinery, No.

Port

)

Order 60685/60289

No. 16293. **ENGINE FORGINGS OR CASTINGS**

I have to report that the ~~Iron~~ **Steel Forgings** ~~or Castings~~, as herein described, manufactured by **Messrs. Haniel & Lueg** of **Düsseldorf-Grafenberg** for the Engines No. **772** being constructed by **Messrs. Dickinson & Sons, Ltd.** of **Sunderland** for the Ship No. **501**, being built by **J. Thompson & Sons** of **Lea** have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects.

**4 Journals**

Mark on Forgings or Castings.

**R**  
**Lloyd's**  
No. **8465**  
K.H. 2. 13.

**Düsseldorf 25th. February 1913.**

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	annealed Siemens Martin Ingotsteel			
How made ...	forged			
Dimensions ...	14 1/4" diam.			
Progress on Inspection }	rough turned			
Tests on Standard Test Pieces.	diameter .798"			
Tensile Test— Tons per square inch	29.3			
Extension per cent	34.5			
Cold Bending Test— Angle before fracture	180 degr. good.			
Dates when Inspected	14. & 24/2. 1913.			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £

To be paid at **Düsseldorf**

\* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.