

Lloyd's Register of British & Foreign Shipping.

Order 60685

(Report on Machinery, No.

Port

/60289.

No. 16446

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** for the Engines No. **772** being constructed by **Messrs. John Dickinson & Sons** of **Sunderland** for the Ship No. **501**, being built by **Messrs. J.L. Thompson & Sons Ltd.** of **Sunderland** have been inspected by me as set forth below, and found to be, so far as can be seen, **sound and free from defects.**

1 Thrustshaft.

Mark on Forgings or Castings.

Lloyd's

No. **4601.**

H.K.3.13.

Düsseldorf 13th March 1913.

Sam. Holman.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	Annealed S.m.I.St.			
How made ...	forged			
Dimensions ...	13 3/4" diam.			
Progress on Inspection }	rough turned			
Tests on Standard Test Pieces.	diameter .798"			
Tensile Test—	29,4			
Tons per square inch ...	30,9			
Extension per cent ...	180 degr. good			
Cold Bending Test—	7. & 12.3.1913.			
Angle before fracture ...				
Dates when Inspected				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £
To be paid at **Düsseldorf**

HPL377-0175

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