



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

Order 60685/60289. (Report on Machinery, No. _____ Port _____)

No. 16274 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. 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 Intermediate shaft.

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.

Mark on Forgings or Castings.

R
Lloyd's
 No. **8437.**
K.H.R.13.

Düsseldorf 18th February 1913.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...			Annealed S.M.I.St.	
How made ...			forged	
Dimensions ...			13 1/2" diam.	
Progress on } Inspection }			rough turned	
Tests on Standard Test Pieces.			diameter .798"	
Tensile Test—			31,1	
Tons per square inch ...			28,6	
Extension per cent ...			180 degr. good	
Cold Bending Test—			23.12.12., 3pl.,	
Angle before fracture ...			17.2.1913.	
Dates when Inspected				

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.

