

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

(Report on Machinery, No.

Port

Order 60685/60289

No. 16461

ENGINE FORGINGS OR CASTINGS

123.

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

2 Intermediate shafts

Mark on Forgings or Castings.

Lloyd's

Dusseldorf 17th. March 1913.

No. 4608, 4609

H.K.3.13.

Hani-Kolbow.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...			annealed Siemens Martin Ingotssteel	
How made ...			forged	
Dimensions ...			13 1/2" diam.	
Progress on Inspection)			rough turned	
Tests on Standard Test Pieces.			diameter .798" No. 4608 4609	
Tensile Test—			30.1 30.4	
Tons per square inch			29.2 29.4	
Extension per cent			180 degr. good.	
Cold Bending Test—			10. 12. 14/3. 1913.	
Angle before fracture				
Dates when Inspected				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £

To be paid at Dusseldorf

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