



Ept. 7.

For the information of Surveyors and the Committee only.

Received at

Office,

10

Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. Port)

Order 59877.

No. 15462. 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 2097 being constructed by Messrs. North Eastern Marine Eng. Co of Sunderland for the Ship No. , 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.

1 Intermediate shaft

Mark on Forgings or Castings.

Lloyd's

No. 2224

M.B. 11.12.

Düsseldorf 19th. November 1912.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...			annealed Siemens Martin acid steel	
How made ...			forged	
Dimensions ...			12 3/8" diam. ✓	
Progress on { Inspection }			rough turned diameter .798"	
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch			28.9 ✓	
Extension per cent			33.2 ✓	
Cold Bending Test— Angle before fracture			180 degr. good.	
Dates when Inspected			8/10 & 15/11.1912.	

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.