

For the information of Surveyors and the Committee only.



Inspected at \_\_\_\_\_ Office \_\_\_\_\_ 19

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

(Report on Machinery, No. \_\_\_\_\_ Port \_\_\_\_\_)

Order 60685/60289

No. **1657** **ENGINE FORGINGS OR CASTINGS.**

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I have to report that the ~~xxxxxx~~ Steel Forgings ~~xxxxxx~~, as herein described, manufactured by Messrs. Haniel & Lueg of Düsseldorf-Grafenberg for the Engines No. 772 being constructed by John Dickinson & Sons, Ltd. of Sunderland for the Ship No. 501, being built by Messrs. 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.



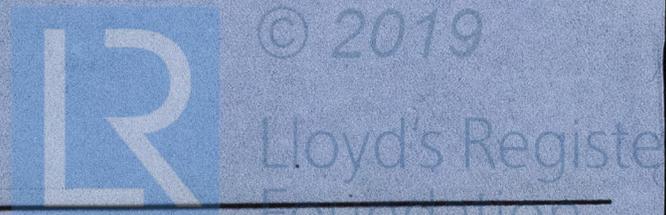
Düsseldorf 31st. March 1913.

*Manu Sieges*

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...			annealed Siemens Martin Ingotsteel	
How made ...			forged	
Dimensions ...			13 1/2" diam.	
Progress on } Inspection }			rough turned diameter .798"	
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch			29.3	
Extension per cent			32.6	
Cold Bending Test— Angle before fracture			180 degr. good.	
Dates when Inspected			17. 27/3. 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.