

Expt. 7.

For the information of Surveyors and the Committee only.

Received at

Office.

19

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.

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

Mark on Forgings or Castings.

Lloyd's
No. 4601.
H.K.3.13.

Düsseldorf 13th March 1913.

Sam. Holboer.

	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.