

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

Order 60445/60397 (Report on Machinery, No. 60493. Port 749)

No. 15945. ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by Messrs. Haniel & Lueg of Düsseldorf for the Engines No. 2123 being constructed by North Eastern Marine Eng. Co. of Wall send 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, 2 Propeller shafts.

Mark on Forgings or Castings.

Lloyd's

No. 2397, 2418, 2419.

M.B.12.12.

Düsseldorf 31st December 1912.

M. Berg

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...			Annealed Siemens	Martin Ingotsteel
How made ...			forged	forged
Dimensions ...			14 1/2" diam.	16" diam.
Progress on Inspection }				rough turned
Tests on Standard Test Pieces.				diameter .798"
Tensile Test—			No. 2397.	2418, 2419.
Tons per square inch			31,1	30,1 29,4
Extension per cent			30,5	32,6 31,3
Cold Bending Test—			180 degr. good	180 degr. good
Angle before fracture				
Dates when Inspected			29/11., 4. & 18/12. 1912.	18.23. & 30/12. 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.