

Received at



The Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. 14845 Port *S/S Magdala*)

Order 16735.

No. 17797.

ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~IRON~~ Steel Forgings ~~OR CASTINGS~~, as herein described, manufactured by Messrs. Gutehoffnungshütte, A.-V. of Oberhausen for the Engines No. 2307 being constructed by Messrs. Richardsons Westgarth & Co. of Hartlepool 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.

2 journals.

Mark on Forgings or Castings.

Lloyd's
No. 9002-3.
K.H.10.13.

Düsseldorf, 15th October 1913.

Paul Hauff

| | CRANK SHAFT. | STRAIGHT SHAFTING. | | |
|--------------------------------|--------------------------------------|--------------------|----------------------|------------------|
| | | THRUST SHAFT. | INTERMEDIATE SHAFTS. | PROPELLER SHAFT. |
| Material* ... | annealed Siemens-Martin Ingots steel | / | / | |
| How made ... | forged | | | |
| Dimensions ... | 13 1/2" diam. | | | |
| Progress on Inspection } | rough turned | | | |
| Tests on Standard Test Pieces. | diameter .798" No. 9002. 9003. | | | |
| Tensile Test— | 30.6 30.1 | | | |
| Tons per square inch | | | | |
| Extension per cent | 30.2 32.8 | | | |
| Cold Bending Test— | 180 degr. good. | | | |
| Angle before fracture | | | | |
| Dates when Inspected | 30/9, 3, 7, 10, 14/10. 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.