

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

Order 56605.

(Report on Machinery, No. _____ Port _____)

No. 13646.

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-Grafenberg for the Engines No. 952 being constructed by George Clark, Limited 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

2 Intermediate shafts

Mark on Forgings.

Lloyd's

No. 1052-3.

M.B. 12. 11.

Düsseldorf, 11th December 1911.

M. Berg

| | CRANK SHAFT. | STRAIGHT SHAFTING. | | |
|---------------------------|--------------|--------------------|---------------------------------------|------------------|
| | | THRUST SHAFT. | INTERMEDIATE SHAFTS. | PROPELLER SHAFT. |
| Material* | | | Annealed Siemens Martin ingotsteel | |
| How made | | | forged | |
| Dimensions | | | 10 1/4" diam. | |
| Progress on Inspection | | | rough turned | |
| Dates when Inspected | | | 8. & 9/12.11. | |

PARTICULARS OF TESTS APPLIED TO CASTINGS:-

Tensile strength.

1052. 1 Intermediate shaft 29,7 Tons per square inch 31,3 % elongation in 3"

1053. 1 do. do. 29,9 - - - - 31,3 % - - -

Diameter of sample .798"

Bend tests good.

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 Bessemer or the Siemens-Martin process.