

# Lloyd's Register of Shipping.

Order: 92479.

(Report on Machinery, No.

Port

No.

## ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings ~~or castings~~, as herein described, manufactured by **Messrs. Gutehoffnungshütte A.G., Abt. Düsseldorf** of **Düsseldorf** for the Engines No. being constructed by **Messrs. Christof Ruthof** of **Mainz-Kastel** for the Ship No. **35**, being built by **Messrs. Clelands (Successors) Ltd.** of **Newcastle-on-Tyne** have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to **Mainz-Kastel**.

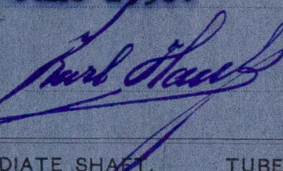
Mark on Forgings or Castings.

Lloyd's

No. **181.**

H.R. 15.5.36.

Düsseldorf 8th June 1936.



|   | <del>CASTINGS</del><br>1 thrust shaft | THRUST SHAFT. | INTERMEDIATE SHAFT. | TUBE SHAFT.  |
|---|---------------------------------------|---------------|---------------------|--------------|
|   | <del>CASTINGS</del>                   |               |                     | SCREW SHAFT. |
| Material* ...                               | <b>Siem. Mart. Ingot Steel</b>        |               |                     |              |
| How made ...                                | <b>forged</b>                         |               |                     |              |
| If Annealed...                              | <b>heat treated</b>                   |               |                     |              |
| Dimensions }<br>Forgings                    | <b>140 mm diam.</b>                   |               |                     |              |
| Weight                                      |                                       |               |                     |              |
| Weight, Castings                            |                                       |               |                     |              |
| Progress on }<br>Inspection                 | <b>rough turned and finished</b>      |               |                     |              |
| Tests on Standard<br>Test Pieces.           | <b>.788 3"</b>                        |               |                     |              |
| Tensile Test—<br>Tons per square inch       | <b>39,2</b>                           |               |                     |              |
| Extension per cent                          | <b>28,6</b>                           |               |                     |              |
| Cold Bending Test—<br>Angle before fracture | <b>180 degr. good</b>                 |               |                     |              |
| Dates when Inspected                        | <b>15.5.36.</b>                       |               |                     |              |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

The material has been ordered to special requirements.—

Fee (if any chargeable)

To be paid at **Düsseldorf.**

\* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.