

Lloyd's Register of Shipping.

(Report on Machinery, No. 99128 Port London)No. 23900 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs J. Firth & J. Brown Ltd. of Sheffield for the Engines No. 5740/0/11 being constructed by The British Thomson Houston Co. Ltd. of Rugby for the Ship No. , being built by "Leobosher" & "Zunderkerk" 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. These have been despatched to

Mark on Forgings or Castings.

Lloyd's

No. 224M.A.C. 31/5/33M. A. Black.Sheffield8/6/33.

| | CRANK SHAFT. | THRUST SHAFT. | INTERMEDIATE SHAFT. | TUBE SHAFT. |
|--------------------------------|----------------------------|---------------|---------------------|-------------------------|
| | <u>1. Disc Ring</u> | | | |
| | FLYWHEEL SHAFT. | | | SCREW SHAFT. |
| Material* ... | <u>Nickel Steel</u> | | | |
| How made ... | <u>Forged</u> | | | |
| If Annealed ... | <u>Yes</u> | | | |
| Dimensions, Forgings | <u>Dia 29½"</u> | | | |
| Weight, Castings | <u>-</u> | | | |
| Progress on Inspection } | <u>Rough Machined</u> | | | |
| Tests on Standard Test Pieces. | <u>53464</u> | | | |
| Tensile Test— | | | | |
| Tons per square inch | <u>53.6</u> | | | |
| YIELD | <u>40.0</u> | | | |
| Extension per cent 2" | <u>24.0</u> | | | |
| Cold Bending Test— | | | | |
| Angle before fracture | <u>180° W.F.</u> | | | |
| Dates when Inspected | <u>26/5/33 to 31/5/33.</u> | | | |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

1st wheel of HP Rotn Examined prior to use

Fee (if any chargeable) £ -To be paid at -

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