

# Lloyd's Register of Shipping.

(Report on Machinery, No. \_\_\_\_\_ Port \_\_\_\_\_)

## No. F3103 ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings or Castings, as herein described, manufactured by English Steel Corporation Ltd. of Manchester for the Engines, No. 34 B.W. being constructed by Walsend Slipway & Eng. Co. of Walsend-on-Tyne 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. These have been despatched to Walsend.

Mark on Forgings or Castings.

Lloyd's

No. 2580

24-10-29

C.F.

J. F. Campbell

Manchester 8-1-30.

|   | <del>CRANK SHAFT.</del>    | <del>THRUST SHAFT.</del>   | <del>INTERMEDIATE SHAFT.</del> | <del>TUBE SHAFT.</del> |
|---|----------------------------|--|--------------------------------|------------------------|
|   | <del>FLYWHEEL SHAFT.</del> | 1- 1 <sup>st</sup> Reduction Gear Wheel Rim.   |                                |                        |
| Material* ...                               |                            | O.H. Ingot Steel   |                                |                        |
| How made ...                                |                            | Forged   |                                |                        |
| If Annealed...                              |                            | Yes  |                                |                        |
| Dimensions, Forgings                        |                            | 12 <sup>5</sup> / <sub>8</sub> " $\times$ 68 <sup>3</sup> / <sub>8</sub> diars. + 12 <sup>5</sup> / <sub>8</sub> " |                                |                        |
| Weight, Castings                            |                            | ✓  |                                |                        |
| Progress on }<br>Inspection }               |                            | Rough-machined   |                                |                        |
| Tests on Standard<br>Test Pieces.           |                            | TOP.   | BOTT.                          | Specified              |
| Tensile Test—<br>Tons per square inch       |                            | 38.0   | 38.0                           | 34-38 tons             |
| Extension per cent                          |                            | 23.0   | 24.0                           |                        |
| Cold Bending Test—<br>Angle before fracture |                            | 180°   | 180°                           |                        |
| Dates when Inspected                        |                            | 14-10-29 to 24-10-29   |                                |                        |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

yield 21.0 21.0

Fee (if any chargeable) £1-1-0

To be paid at

Manchester

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