

Received at

Office,

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## Lloyd's Register of Shipping.

(Report on Machinery, No. 11175 Port Belfast)No. 23895 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Forgings or Castings~~, as herein described, manufactured by The English Steel Corporation Ltd. of Sheffield for the ~~Engines~~ No. DS0421 being ~~constructed~~ by The Metro-Vickens Electrical Co. Ltd. of Manchester for the Ship No.           , being built by "City of Kimberley" 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. 730M.A.B. 2/6/33M.A. BlackSheffield8/6/33

|   | CRANK SHAFT.               | THRUST SHAFT. | INTERMEDIATE SHAFT. | TUBE SHAFT.             |
|---|----------------------------|---------------|---------------------|-------------------------|
|   | 1. <u>Coupling Hub.</u>    |               |                     |                         |
|   | <del>FLYWHEEL SHAFT.</del> |               |                     | <del>SCREW SHAFT.</del> |
| Material* ...                               | <u>Piemans Steel</u>       |               |                     |                         |
| How made ...                                | <u>Forged</u>              |               |                     |                         |
| Annealed ...                                | <u>Yes</u>                 |               |                     |                         |
| Dimensions, Forging                         | <u>Dia 21 1/2"</u>         |               |                     |                         |
| Weight, Castings                            | <u>-</u>                   |               |                     |                         |
| Progress on }<br>Inspection }               | <u>Rough Machined</u>      |               |                     |                         |
| Tests on Standard<br>Test Pieces.           | <u>59/35</u>               |               |                     |                         |
| Tensile Test—<br>Tons per square inch       | <u>31.0</u>                |               |                     |                         |
| YIELD<br>Extension per cent                 | <u>36.4</u>                |               |                     |                         |
| Cold Bending Test—<br>Angle before fracture | <u>180° W.F.</u>           |               |                     |                         |
| Dates when Inspected                        | <u>22/5/33 to 2/6/33.</u>  |               |                     |                         |

## PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Forging examined after machining & found satisfactory.  
Stamped as above, date & A.S.

A.S.

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.