

For the information of Surveyors and the Committee only.

Received at

Office,

19

## Lloyd's Register of Shipping.

(Report on Machinery, No. 54023

Port

GLASGOW

## No. 4514 ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. D. Rowan & Co. Ltd. of Glasgow for the Engines No. 958 being constructed by Themselves of — for the Ship No. 863, being built by Messrs. Lithgow's Ltd. of Port Glasgow 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 Themselves

Work on Forgings or Castings.

Lloyd's

No. 4514 + 2nd ho

ESP

Chas. S. Porter

Glasgow 29/3/1933

|                                | CRANK SHAFT.               | THRUST SHAFT. | INTERMEDIATE SHAFT. | TUBE SHAFT.  |
|--------------------------------|----------------------------|---------------|---------------------|--------------|
|                                | 3. Piston Rods             | 3. Crossheads |                     |              |
|                                | FLYWHEEL SHAFT.            |               |                     | SCREW SHAFT. |
| Material* ...                  | Siemens Martin Ingot Steel |               |                     |              |
| How made ...                   | Forged                     |               |                     |              |
| Annealed ...                   | Yes                        |               |                     |              |
| Dimensions, Forgings           | As-per-plan                |               |                     |              |
| Weight, Castings               |                            |               |                     |              |
| Progress on Inspection }       | Forging & Testing          |               |                     |              |
| Tests on Standard Test Pieces. | Test nos                   | Test nos      |                     |              |
|                                | 20 21                      | 22            |                     |              |
| Stress Test—                   | 33.6 33.1                  | 31.7          |                     |              |
| Tons per square inch           |                            |               |                     |              |
| Extension per cent             | 30 33                      | 31            |                     |              |
| Bending Test—                  |                            |               |                     |              |
| Angle before fracture          | 180                        | 180           |                     |              |
| When Inspected                 | 22/3/33                    | 28/3/33       |                     |              |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £

NIL (Vessel Classed)

To be paid at

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Lloyd's Register

Foundation

W 405-0021