

# Lloyd's Register of Shipping.

(Report on Machinery, No. 48013)

Port Glasgow

No. ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by The Darlington Forge L<sup>td</sup> of Darlington for the Engines No. 2, 11, 101 being constructed by Barclay Curle & Co. L<sup>td</sup> of Scotstoun 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.

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.

Mark on Forgings or Castings.

Lloyd's

No. 5523 D

27.6.27



D. D. Williamson

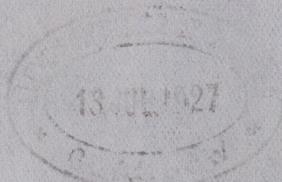
Darlington

6. Transverse Beams  
CRANK SHAFT.

STRAIGHT SHAFTING.

|                                | THRUST SHAFT.                  | INTERMEDIATE SHAFTS. | PROPELLER SHAFT. |
|--------------------------------|--------------------------------|----------------------|------------------|
| Material* ...                  | <u>Steel</u>                   |                      |                  |
| How made ... †                 | <u>Cast &amp; Annealed</u>     |                      |                  |
| Dimensions ...                 | <u>✓</u>                       |                      |                  |
| Progress on Inspection         | <u>Hammering &amp; Testing</u> |                      |                  |
| Tests on Standard Test Pieces. | <u>Test 807</u>                | <u>Test 808</u>      |                  |
| Tensile Test—                  |                                |                      |                  |
| Tons per square inch           | <u>31.2</u>                    | <u>30.0</u>          |                  |
| Extension per cent 3"          | <u>32.0</u>                    | <u>31.0</u>          |                  |
| Cold Bending Test—             |                                |                      |                  |
| Angle before fracture          | <u>120°</u>                    | <u>120°</u>          |                  |
| Dates when Inspected           | <u>9-6-27 to 27-6-27</u>       |                      |                  |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—



Fee (if any chargeable) £  
To be paid at \_\_\_\_\_

\* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.

† State if annealed yes



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