

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at \_\_\_\_\_ Office, \_\_\_\_\_ 19\_\_

# Lloyd's Register of Shipping.

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

## 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 Co<sup>td</sup> of Darlington for the Engines No. 43 being constructed by Manchester Drydock Eng<sup>g</sup> of Manchester 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. 3362D  
MR End Body piece

M. Robertson  
Darlington 23.12.19

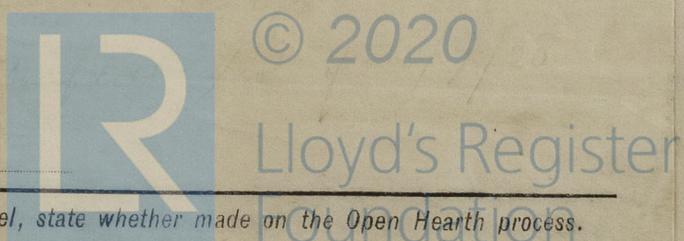
CRANK SHAFT. STRAIGHT SHAFTING.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	<u>Siemens Martin Sgot Steel</u>	<u>S. M Sgot Steel</u>	<u>S. M Sgot Steel</u>	<u>S. M Sgot Steel</u>
How made ...	<u>Forged</u>	<u>Forged</u>	<u>Forged</u>	<u>Forged</u>
Dimensions ...	<u>6 1/2" dia</u>	<u>6 1/2" dia</u>	<u>4 1/4" dia</u>	<u>4 1/4" dia</u>
Progress on Inspection	<u>Forged and rough machined</u>		<u>Forged &amp; rough mach<sup>d</sup></u>	<u>Forged &amp; rough mach<sup>d</sup></u>
Tests on Standard Test Pieces.				<u>73 E.</u>
Tensile Test— Tons per square inch	<u>410-32.0</u>	<u>414-30.8</u>		<u>418-32.0</u>
Extension per cent	<u>31.0</u>	<u>33.0</u>		<u>30.0</u>
Cold Bending Test— Angle before fracture	<u>180</u>	<u>180</u>		<u>180</u>
Dates when Inspected	<u>10-12-19 14-12-19</u>	<u>13-12-19 23-12-19</u>		<u>10-12-19 14-12-19</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Specs to be flow.

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.