

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 10

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 L^d of Darlington for the Engines No. 43 being constructed by Manchester Drydock Eng^y 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.

Mark on Forgings ~~or Castings~~.

Lloyd's
No. 3362D
MR End of Body Piece

M. Robertson

Darlington 23.12.19

CRANK SHAFT.

STRAIGHT SHAFTING.

THRUST SHAFT.

INTERMEDIATE SHAFTS.

PROPELLER SHAFT.

Material* ...	<u>Siemens Martin S. M. S. Steel</u>	<u>S. M. S. Steel</u>	<u>S. M. S. Steel</u>
How made ...	<u>Forged</u>	<u>Forged</u>	<u>Forged</u>
Dimensions ...	<u>6 1/2" dia</u>	<u>6 1/2" dia</u>	<u>7 1/4" dia</u>
Progress on Inspection {	<u>Forged and rough machined</u>		<u>Forged & rough mach^d</u>
Tests on Standard Test Pieces.			
Tensile Test—	<u>410-32-0</u>	<u>414-30-8</u>	<u>418-32-0</u>
Tons per square inch			
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:—

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.