

Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No.

Port

Newcastle

No. 15203

ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by *John Spencer & Sons Ltd.* of *Newburn* for the Engines No. 2241 being constructed by *N. E. M. & Co. Ltd.* of *Wallsend-on-Tyne* 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. 1778-N

W.C.

W. Campbell
Newcastle

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	<i>Ingot Steel</i>	<i>Ingot steel</i>	<i>Ingot steel</i>	
How made ...	<i>Forged</i>	<i>Forged</i>	<i>Forged</i>	
Dimensions ...	<i>15</i>	<i>15</i>	<i>14 1/2</i>	
Progress on Inspection }	<i>Rough turned</i>	<i>Rough turned</i>	<i>Rough turned</i>	
Tests on Standard Test Pieces.				
Tensile Test—				
Tons per square inch	<i>31'2. 31'0. 30'2. 30'0. 30'4.</i>		<i>30'8.</i>	
Extension per cent	<i>34% 34% 29% 30% 32'0.</i>		<i>34%</i>	
Cold Bending Test—				
Angle before fracture	<i>180° 180° 180° 180° 180°</i>		<i>180°</i>	
Dates when Inspected	<i>May 18 to September 29-1916.</i>			

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.