

Lloyd's Register of Shipping.

(Report on Machinery, No.

Port *Newcastle*)No. *15821* · 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. *2323* being constructed by *N. E. M. & Co. Ltd.* of *Wallsend* 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. *179-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>		
How made ...	<i>Forged</i>	<i>Forged</i>		
Dimensions ...	<i>13 1/4</i>	<i>12 3/4</i>		
Progress on Inspection }	<i>Rough turned</i>	<i>Rough turned</i>		
Tests on Standard Test Pieces.				
Tensile Test—				
Tons per square inch ...	<i>31.2. 31.5. 31.4. 31.0. 31.4.</i>	<i>32.0.</i>		
Extension per cent <i>3</i> ...	<i>30%. 31%. 29%. 33%. 31%.</i>	<i>31%.</i>		
Cold Bending Test—				
Angle before fracture ...	<i>180°. 180°. 180°. 180°. 180°.</i>	<i>180°.</i>		
Dates when Inspected	<i>August 7, to October 31- 1917.</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.



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Foundation