

# Lloyd's Register of Shipping.

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

## No. 15680. 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 H. E. M. E. 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. 3112, N  
W.C.

W. Campbell  
Newcastle

	<u>Crossheads</u> <del>CRANK SHAFT.</del>	<u>Piston Rods</u> <del>PINNET SHAFT.</del>	STRAIGHT SHAFTING.	
			INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material ...	<u>Ingot Steel</u>	<u>Ingot Steel</u>		
How made ...	<u>Forged</u>	<u>Forged</u>		
Dimensions ...				
Progress on Inspection }	<u>Rough Machined</u>	<u>Rough turned</u>		
Tests on Standard Test Pieces.				
Tensile Test—				
Tens per square inch	<u>31'2. 31'4.</u>	<u>31'6. 31'4. 31'8.</u>		
Extension per cent	<u>30%. 29%</u>	<u>31%. 29%. 34%</u>		
Cold Bending Test—				
Angle before fracture	<u>180°. 180°.</u>	<u>180°. 180°. 180°.</u>		
Dates when Inspected	<u>July 7 to 26-1917.</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.



