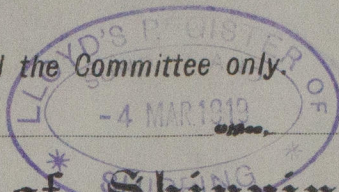


Rpt. 7.

For the information of Surveyors and the Committee only.

Received at



Lloyd's Register of Shipping.

(Report on Machinery, No. _____)

Port SunderlandNo. 16546. 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. 843 being constructed by J. Dickinson & Sons Ltd. of Sunderland 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. 4152.N
W.C.

W. Campbell
Newcastle

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	<u>Ingot Steel</u>	<u>Ingot Steel</u>	<u>Ingot Steel</u> *	
How made ...	<u>Forged</u>	<u>Forged</u>	<u>Forged</u>	
Dimensions ...	<u>13 1/4</u>	<u>12 3/4</u>	<u>12 1/2</u>	
Progress on Inspection {	<u>Rough turned</u>	<u>Rough turned</u>	<u>Rough turned</u>	
Tests on Standard Test Pieces.				
Tensile Test—	<u>31'8. 31'6. 31'2. 31'0. 31'2</u>	<u>32'0.</u>	<u>31'4. 31'9. 31'6. 31'8. 31'8.</u>	
Tons per square inch				
Extension per cent. ³	<u>30%. 28%. 30%. 29%. 30%</u>	<u>32%.</u>	<u>29%. 30%. 29%. 33%. 30%</u>	
Cold Bending Test—	<u>180°. 180°. 180°. 180°. 180°.</u>	<u>180°.</u>	<u>180°. 180°. 180°. 180°. 180°.</u>	
Angle before fracture				
Dates when Inspected	<u>December 9, 1918, to February 20, 1919.</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

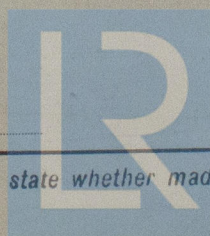
* 2 turned shafts used for engine No. 840. 8 1/2" Birminghams

111
28-4-19

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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Lloyd's Register
Foundation

Kaiwarra
Engine for engine

SUNDERLAND RPT. NO. 27577



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