

7. For the information of Surveyors and the Committee only.

Received at _____ Office, _____

Lloyd's Register of Shipping.

(Report on Machinery, No. _____ Port Sunderland)

No. 16980 ENGINE FORGINGS ~~OR CASTINGS~~



I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by John Spener & Sons Ltd. of Newburn for the Engines No. 311 being constructed by MacColl & Pollock 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

on Forgings or Castings.

Lloyd's
No. 1994N
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>
Made		<u>Forged</u>	<u>Forged</u>	<u>Forged</u>
Dimensions		<u>10 1/2</u>	<u>10 5/16</u>	<u>11 7/8</u>
Process on inspection		<u>Rough turned</u>	<u>Rough turned</u>	<u>Rough turned</u>
Tests on Standard Test Pieces.				
Tensile Test—				
Stress per square inch		<u>31'6.</u>	<u>31'9. 31'2. 30'6. 31'4. 31'0.</u>	<u>31'4. 30'0.</u>
Elongation per cent	<u>3</u>	<u>30%</u>	<u>30%. 29'5%. 27%. 31%. 23%</u>	<u>29%. 31%</u>
Bending Test—				
Deflection before fracture		<u>180°</u>	<u>180°. 180°. 180°. 180°. 180°</u>	<u>180°. 180°</u>
When Inspected		<u>November 27, to December 15, 1919.</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.

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