W1145-0185

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at ..... Office, ... 19

LLOYD'S REGISTER OF SHIPPING -4 MAR 1919 SUNDERLAND

Lloyd's Register of Shipping.

(Report on Machinery, No. ..... Port Sunderland)

No. 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

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.

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* ...	Ingot Steel	Ingot Steel	Ingot Steel *	
How made ...	Forged	Forged	Forged	
Dimensions ...	13¾	12¾	12½	
Progress on Inspection ...	Rough turned	Rough turned	Rough turned	
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch ...	31·8. 31·6. 31·2. 31·0. 31·2	32·0.	31·4. 31·9. 31·6. 31·8. 31·8.	
Extension per cent ...	30%. 28%. 30%. 29%. 30%	32%.	29%. 30%. 29%. 33%. 30%.	
Cold Bending Test— Angle before fracture ...	180°. 180°. 180°. 180°. 180°.	180°.	180°. 180°. 180°. 180°. 180°.	
Dates when Inspected	December 9, 1918, & February 20, 1919.			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

* 2 turned shafts used for engine No. 840. S/S "Cramond" HLD 25-4-19

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.

m.12,17. T.

Kaiwarra

Engine forging

SUNDERLAND RPT. No. 27577