

# Lloyd's Register of British & Foreign Shipping.

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

## No. \_\_\_\_\_ ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by The Darlington Forge Co. Ltd of Darlington. for the Engines No. 2091 being constructed by Messrs. John Readhead & Sons. of South Shields. for the Ship No. 446, being built by Them. 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 or IRON or STEEL, should be struck out as may be required.

Mark on Forgings or Castings.

Lloyd's  
No. 1857.D  
FC

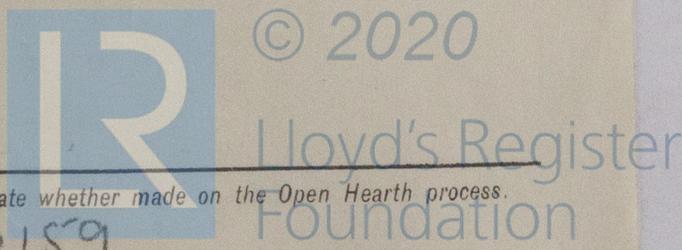
Frank Cook.  
Darlington

	CRANK SHAFT <sup>Part-Spare</sup>		STRAIGHT SHAFTING.	
	THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.	
Material	<u>Siemens steel</u>	<u>Siemens steel</u>	/	
How made	<u>Forged</u>	<u>Forged</u>		
Dimensions	<u>1 3/4 dia</u>	<u>1 3/4 dia</u>		
Progress on Inspection	<u>Forged &amp; finished</u>	<u>Forged &amp; finished</u>		
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	<u>30.4 to 32.0 tons</u>	<u>30.2 tons</u>		
Extension per cent in 2 in	<u>2.6% to 3.4%</u>	<u>3.6%</u>		
Cold Bending Test— Angle before fracture	<u>180°</u>	<u>180°</u>		
Dates when Inspected	<u>26/8/14 to 28/10/14 10/9/14 to 23/9/14.</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.



No. of test  
No. of test specimens

RESULTS OF OTHER TESTS APPLIED TO CASTINGS

CRANK SHAFT

S.S. "TRECARNE"

NEWCASTLE-ON-TYNE

Report No. 67161

CRANK SHAFT

WS04-0189

ENGINE FORGINGS OR CASTINGS

Report of the Committee of British & Foreign Shipbuilding

For the information of the Committee and the Committee only



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