

For the information of Surveyors and the Committee only.

Received at

Office

# Lloyd's Register of Shipping.

(Report on Machinery, No. 10517 Port Middlesbrough)

## No. 16662. 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. 1906 being constructed by Blair & Co. Ltd. of Stockton-on-Tees 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 records FORGINGS OR CASTINGS, IRON OR STEEL, should be struck out if they may be required.

Mark on Forgings or Castings.

~~Lloyd's~~  
~~No. 16662~~  
~~W.C.~~

LLOYDS  
No. 7180  
29.8.19.  
W.M.-W.C.

*W. Campbell*  
*Newcastle*

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	<i>Spare</i> PROPELLER SHAFT.
Material* ...				<u>Ingot Steel</u>
How made ...				<u>Forged</u>
Dimensions ...				<u>15 1/2</u>
Progress on Inspection				<u>Rough turned</u>
Tests on Standard Test Pieces.				
Tensile Test—				
Tons per square inch				<u>30.6.</u>
Extension per cent				<u>32%.</u>
Cold Bending Test—				
Angle before fracture				<u>180°.</u>
Dates when Inspected				<u>May 6-15-1919</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:— continuous lines

RECEIVED  
MAY 20 1919  
LLOYD'S REGISTER  
MIDDLESBROUGH

*shaft examined while being and when finished and found so far as could be seen sound and good.*

*W. Morrison* 2019

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.