

7.

For the information of Surveyors and the Committee only.

Received at

Office,

19

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 Spencer & 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. 1994NW.C.

W. Campbell
Newcastle

CRANK SHAFT.

STRAIGHT SHAFTING.

THRUST SHAFT.

INTERMEDIATE SHAFTS.

PROPELLER SHAFT.

	CRANK SHAFT.	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—		<u>31.6</u>	<u>31.8 31.2 30.6 31.4 31.0</u>	<u>31.4 30.0</u>
Stress per square inch		<u>30%</u>	<u>30% 29.5% 27% 31% 23%</u>	<u>29% 31%</u>
Elongation per cent	<u>3</u>	<u>180°</u>	<u>180° 180° 180° 180° 180°</u>	<u>180° 180°</u>
Bending Test—				
Time before fracture				
When Inspected		<u>November 27</u>	<u>To December 15</u>	<u>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.

007762-007769-0072

© 2020

Lloyd's Register
Foundation