

# Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. 8476 Port Middlesbrough)

## No. 13704 Engle 48877 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. 1791 being constructed by Blair & Co. Ltd. of Stockton-on-Tees for the Ship No.                     , being built by S.S. "Pontwen" of Cardiff 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.

Thrust & tunnel shafts - Crank shaft - Propeller shafts -  
 Mark on Forgings or Castings.

LLOYD'S No. <u>271-N</u> <u>W.C.</u>	LLOYDS No. <u>6887</u> <u>7.4.14.WM</u>	LLOYDS No. <u>6887</u> <u>23.4.14.WM</u>
--	---	--

*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>	<u>Ingot steel</u>
How made ...	<u>Forged &amp; machined</u>	<u>Forged &amp; machined</u>	<u>Forged &amp; machined</u>	<u>Forged &amp; machined</u>
Dimensions ...	<u>1 1/4 - 1 3/4</u>	<u>1 1/4</u>	<u>1 3/4</u>	<u>1 5/8</u>
Progress on Inspection }	<u>Rough turned</u>	<u>Rough turned</u>	<u>Rough turned</u>	<u>Rough turned</u>
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	<u>28.8. 28.2. 30.2.</u>	<u>30.2.</u>	<u>30.2. 28.2. 30.6. 30.4. 30.6. 30.8.</u>	<u>30.6. 30.8.</u>
Extension per cent	<u>30%. 31%. 30%</u>	<u>29%</u>	<u>29%. 32%. 31%. 30%. 31%. 29%</u>	<u>29%</u>
Cold Bending Test— Angle before fracture				<u>180°. 180°</u>
Dates when Inspected	<u>December 24 - 1913 to January 22 - 1914.</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Shafting finished under special survey and re-stamped as above

*W Morrison*

© 2019

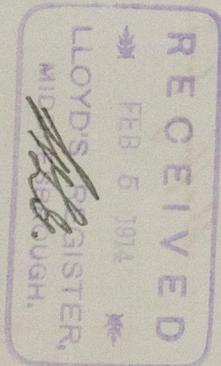
Fee (if any chargeable) £  
To be paid at

\* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.

Messrs. Richardson, Duck & Co.,  
Sp. No. 639.

Sp. "Pantwen"  
Mat. Rpt. No. 8476

Mat. Rpt. No. 8476



© 2019

Lloyd's Register  
Foundation