

## Lloyd's Register of Shipping.

(Report on Machinery, No.

Port *Newcastle*)No. 16801. 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. *906* being constructed by *Palmer's S. & I. Co. Ltd.* of *Farrow-on-Tyne* 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*

Mark on Forgings or Castings.

Lloyd's

No. *4522N**W. C.**W. Campbell**Newcastle*

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...				<i>Ingot Steel</i>
How made ...				<i>Forged</i>
Dimensions ...				<i>16 1/2</i>
Progress on { Inspection }				<i>Rough turned</i>
Tests on Standard Test Pieces.				
Tensile Test—				<i>31/6.</i>
Tons per square inch ...				<i>30%.</i>
Extension per cent ...				<i>180°.</i>
Cold Bending Test—				
Angle before fracture ...				<i>August 28-1919.</i>
Dates when Inspected				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

*S S Garmula*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.



S. S. Gairmala  
Palmer No 905 Engines  
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Foundation