

For the information of Surveyors and the Committee only.

Received at

Office,

Lloyd's Register of Shipping.

(Report on Machinery, No. 22)

Port Leningrad

No. 75

ENGINE FORGINGS ~~OR CASTINGS~~

The word, FORGINGS or CASTINGS should be struck out as may be required.

I have to report that the Forgings ~~Castings~~, as herein described, manufactured by The Baltic Shipbuilding & Engineering Works of Leningrad for the Engines No. 171 being constructed by The Baltic S.B. & Eng^y Works of Leningrad for the Ship No. 171, being built by The Baltic Shipbuilding & Engineering Works of Leningrad have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to

Mark on Forgings or Castings.

Lloyd's
No. 0167-0168, 0169, 0170, 0171.
W.E.L. 28.5.27.

William Lewis

	CRANK SHAFT. <u>0167.</u>	THRUST SHAFT. <u>0168</u>	INTERMEDIATE SHAFTS <u>0169.</u>	TUBE SHAFT. <u>0170</u>	FLYWHEEL SHAFT. <u>0171.</u>
Material * ...	Basic Open Hearth Steel.				
How made ...	Forged (solid)				
Annealed... ..	Annealed.				
Dimensions, Forgings	235 mm diameter.				
Weights, Castings ...					
Progress on Inspection }	Rough Forgings & partly machined.				
Tests on Standard Test Pieces.					
Tensile Test— Tons per square inch	<u>50.2.</u>	<u>46.6.</u>	<u>45.1</u>	<u>43.5</u>	<u>47.9.</u>
Extension per cent ...	<u>33.3%</u>	<u>31.2%</u>	<u>33.3%</u>	<u>34.7%</u>	<u>36.0%</u>
180° Bending Test— Angle before fracture ...	<u>180° W.F.</u>	<u>180° W.F.</u>	<u>180° W.F.</u>	<u>180° W.F.</u>	<u>180° W.F.</u>
Dates when Inspected	<u>14/5/27 - 28/5/27.</u>	<u>21/4/27 - 28/5/27.</u>	<u>21/4/27 - 28/5/27.</u>	<u>14/5/27 - 28/5/27.</u>	<u>21/4/27 - 28/5/27.</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

(if any chargeable) £

To be paid at

If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.

