

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 19__

Lloyd's Register of Shipping.

(Report on Machinery, No. _____ Port Newcastle on Tyne)

No. _____ ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by The Darlington Forge Ltd of Darlington for the Engines No. 1322 being constructed by Swan Hunter & Co Ltd of Newcastle 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 and free from defects. These have been despatched to Newcastle

M. Robertson

Darlington 1-2-29

Lloyd's
No 5985D
MR

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>2.2nd Red wheel rims</u>		<u>1 1st</u>	<u>2.1st Red wheel rims</u>
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material	<u>Siemens Martin Sgot Steel</u>			
Made	<u>Forged and Annealed</u>			
Annealed	<u>yes yes</u>			
Dimensions, Forgings	<u>2933/4 dia</u>	<u>363/4 dia</u>	<u>363/4 dia</u>	<u>1497/4 dia</u>
Weight, Castings				
Process on inspection	<u>Forging, Testing, and Rough Machining</u>			
Tests on Standard Test Pieces.				
Tensile Test—	<u>31/914 = 32.0</u>	<u>736 = 28.4</u>	<u>738 = 29.4</u>	<u>6/8 = 32.0</u>
Stress per square inch				
Elongation per cent	<u>32.0</u>	<u>37.0</u>	<u>36.0</u>	<u>34.0</u>
Bending Test—				
Angle before fracture	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>
Date when Inspected	<u>20-11-28 to 31-1-29</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

(if any chargeable) £ 10-10-0

To be paid at Darlington

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

W412-0241

