

Lloyd's Register of Shipping.

(Report on Machinery, No. 86078 Port Newcastle and Tyne)

No. _____ ENGINE FORGINGS OR CASTINGS.

may be required.

I have to report that the Forgings or Castings, as herein described, manufactured by The Darlington Forge Ltd of Darlington for the Engines No. 1310 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

on Forgings or Castings.

M. Robertson

Darlington 12.1.29

Lloyd's

No. 5912D
MR

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>2-1st Red Wheel Irons</u>		<u>1st</u>	<u>2 Shaft Coupling Pieces</u>
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material ...	<u>Siemens Martin Ingot Steel</u>			
How made ...	<u>Forged and Annealed</u>			
Annealed ...	<u>Yes</u>			
Dimensions, Forgings	<u>14 9/16 dia</u>	<u>3 5/8 dia</u>	<u>3 5/8 dia</u>	<u>4 7/8 dia</u>
Height, Castings ...				
Process on inspection	<u>Forging and rough machining</u>			
Tests on Standard Test Pieces.				
Tensile Test—	<u>7/8 860-33.4</u>	<u>230-30-0</u>	<u>236-30-0</u>	<u>318-29.0</u>
Stress per square inch				
Elongation per cent	<u>34.0</u>	<u>34.0</u>	<u>32.0</u>	<u>34.0</u>
Bending Test—				
Stress before fracture	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>
Date when Inspected	<u>6.9.28</u>		<u>to 11.1.29</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.