

# Lloyd's Register of Shipping.

(Report on Machinery, No. 86078)

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. 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~~.

Lloyd's

No. 5912D  
MR

M. Robertson

Darlington 12.1.29

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>2-1st Red Wheel Irons</u>		<u>1st</u>	<u>2nd Shaft Coupling Piece</u>
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material ...	<u>Siemens's Martin Ingot Steel</u>			
Made ...	<u>Forged and Annealed</u>			
Annealed ...	<u>Yes</u>			
Dimensions, Forgings	<u>14 9 7/8 dia</u>	<u>35 3/4 dia</u>	<u>35 3/4 dia</u>	<u>4 7 3/4 dia</u>
Height, Castings				
Process on inspection	<u>Forging and rough machining</u>			
Tests on Standard Test Pieces.				
He Test—	<u>7/8 860-33.4</u>	<u>230-30-0</u>	<u>236-30-0</u>	<u>318-29-0</u>
as per square inch				
Tension per cent	<u>34-0</u>	<u>34-0</u>	<u>32-0</u>	<u>34-0</u>
Bending Test—				
Weight before fracture	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>
When Inspected	<u>6-9-28</u>	<u>28</u>	<u>6-11-29</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.