

For the information of Surveyors and the Committee only.

Received at

Office,

19

Lloyd's Register of Shipping.

(Report on Machinery, No. 84268)

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. 318 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

See on Forgings or Castings.

Lloyd's

No. 5926D

MR

M. Robertson

Darlington 30-1-39

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>2-2nd Red wheel rims</u>		<u>1 20</u>	<u>2 Pinion Shafts</u>
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<u>Siemens Martin best Steel</u>		<u>nickel Steel</u>	
made ...	<u>Forged and</u>		<u>annealed</u>	
annealed...	<u>Yes</u>			
Dimensions, Forgings	<u>2 1/8" dia</u>	<u>3 5/8" dia</u>	<u>3 5/8" dia</u>	
Weight, Castings				
Pressure on inspection	<u>Forged and rough machined</u>			
Tests on Standard Test Pieces.				
Shear Test—	<u>4/1882-31-8</u>	<u>724-30-2</u>	<u>726-31-0</u>	<u>894-44-0</u>
Stress per square inch				
Extension per cent	<u>33.0</u>	<u>37.0</u>	<u>34.0</u>	<u>22.0</u>
Bending Test—				
Angle before fracture	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>
When Inspected	<u>11-1-29-24-1-29</u>	<u>14-12-28</u>	<u>27-12-28</u>	<u>11-1-29-30-1-29</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.

W73-0096

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