

Lloyd's Register of Shipping.

(Report on Machinery, No. _____ Port Middleborough)

No. _____ ENGINE FORGINGS ~~OR CASTINGS~~.

The words FORGINGS or CASTINGS should be struck out as 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. 387 being constructed by Smith's Dock Co. Ltd of _____ 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 Southbank

Mark on Forgings or Castings.

M. Robertson

Darlington 14.12.29

Lloyd's
No 6508D

MR. DDW. Triple

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>1 Collar end, Pin end Pin</u>	<u>2 Collar end, Pin</u>	<u>2 Do.</u>	<u>3 webs</u>
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<u>Siemens's Martin forged steel</u>			
How made ...	<u>Forged and Annealed</u>			
If Annealed ...	<u>yes</u>			
Dimensions, Forgings	<u>14" dia</u>	<u>14" dia</u>	<u>14" dia</u>	
Weight, Castings				
Progress on Inspection	<u>Forged, Built, and Finished</u>			
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	<u>728 = 31.6</u>	<u>710 = 31.4</u>	<u>712 = 32.0</u>	<u>672 = 32.0</u>
Extension per cent	<u>33.0</u>	<u>31.0</u>	<u>33.0</u>	<u>29.0</u>
Cold Bending Test— Angle before fracture	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>
Dates when Inspected	<u>29.10.20</u>	<u>to</u>	<u>13.12.29</u>	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

3 webs
Test 674 = 31.0
29.0
180

Fee (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.

