

Lloyd's Register of Shipping.

(Report on Machinery, No. _____)

Port

Middleborough

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. 1976 being constructed by Blair & Co. Ltd. of Stockton 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 Stockton

Mark on Forgings ~~or Castings~~.

Lloyd's

No. 5762D

MR

M. Robertson

Darlington 31.3.28

	CRANK SHAFT. <u>Pieces</u>	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT. <u>1 into shaft</u>
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<u>Siemens's Martin Pigot Steel</u>			
How made ...	<u>Forged and Annealed</u>			
If Annealed ...	<u>Yes</u>			
Dimensions, Forgings	<u>14 1/2" x 15" dia</u>	<u>15" dia</u>	<u>14" dia</u>	
Weight, Castings				
Progress on } Inspection }	<u>Forged and Rough Machined</u>			
Tests on Standard Test Pieces.	<u>2 Ends of pin</u>			
Tensile Test— Tons per square inch	<u>2 ends 876-28-6</u>	<u>894-31-0</u>	<u>34-30-2</u>	<u>36-29-6</u>
Extension per cent	<u>30-0</u>	<u>32-0</u>	<u>32-0</u>	<u>37-0</u>
Cold Bending Test— Angle before fracture	<u>180</u>	<u>180</u>	<u>180</u>	<u>180</u>
Dates when Inspected	<u>25.1.28 9.3.28</u>	<u>31.1.28 16.2.28</u>	<u>9.3.28 31.3.28</u>	<u>1st Shaft 28.2.28</u>
PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—				
<u>2 Ends of pin 2.1884-31-2</u>	<u>1 into Shaft 2.1864-32-0</u>			
<u>29-0</u>	<u>28-0</u>			
<u>180</u>	<u>180</u>			
<u>2 " " 956-30-0</u>	<u>1 " " 40-29-6</u>			
<u>32-0</u>	<u>31-0</u>			
<u>180</u>	<u>180</u>			

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.

Lloyd's Register
Foundation

1505

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APR 6 1998
LOS ANGELES