

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*

THE WORDS FORGINGS OR CASTINGS SHOULD BE STRUCK OUT AS MAY BE REQUIRED.

Mark on Forgings or Castings.

Lloyd's
No. *2762D*
MR

M. Robertson

Darlington 31-3-28

	CRANK SHAFT. <i>pieces</i>	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT. <i>1 into shaft</i>
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<i>Siemens's Martin Ingot Steel</i>			
How made ...	<i>Forged and Annealed</i>			
If Annealed...	<i>Yes</i>			
Dimensions, Forgings	<i>14 1/2" x 15" dia</i>	<i>15" dia</i>	<i>14" dia</i>	
Weight, Castings ...				
Progress on Inspection }	<i>Forged and Rough Machined</i>			
Tests on Standard Test Pieces.	<i>2 Ends of pin</i>			
Tensile Test— Tons per square inch	<i>2 x 876 = 28.6</i>	<i>894 = 31.0</i>	<i>34 = 30.2</i>	<i>36 = 29.6</i>
Extension per cent	<i>30.0</i>	<i>32.0</i>	<i>32.0</i>	<i>37.0</i>
Cold Bending Test— Angle before fracture	<i>180</i>	<i>180</i>	<i>180</i>	<i>180</i>
Dates when Inspected	<i>25.1.28 9.3.28</i>	<i>31.1.28 16.2.28</i>	<i>9.3.28 31.3.28</i>	<i>1st Shaft 28.2.28</i>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

<i>2 Ends of pin 2.1884 = 31.2</i>	<i>1 into Shaft 2.1864 = 32.0</i>	<i>1 D. 2.172 = 29.4</i>
<i>29.0</i>	<i>28.0</i>	<i>34.0</i>
<i>180</i>	<i>180</i>	<i>180</i>
<i>2 " " 956 = 30.0</i>	<i>1 " " 40 = 29.6</i>	
<i>32.0</i>	<i>31.0</i>	
<i>180</i>	<i>180</i>	

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.

W5T-0215



