

Lloyd's Register of Shipping.

(Report on Machinery, No. 11920 Port Middlesbrough)

No. _____ ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by The Darlington Forge Co. Darlington for the Engines No 46 being constructed by Furness Eng. S. B. & Co. 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.

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.

Mark on Forgings or Castings.

Lloyd's
No 4368D
MR

M. Robertson

Darlington 16-12-23

Inter Shafts

	CRANK SHAFT.		STRAIGHT SHAFTING.		
			THRUST SHAFT.	<u>INTERMEDIATE SHAFTS.</u>	<u>PROPELLER SHAFTS.</u>
Material * ...	<u>454 - 32.0</u>	<u>456 - 32.0</u>		<u>Simons Martin Angel Steel</u>	
How made ...	<u>29.0</u>	<u>30.0</u>		<u>Forged</u>	
Dimensions ...	<u>180</u>	<u>180</u>		<u>6 3/4 dia</u>	<u>7 1/8 dia</u>
Progress on Inspection	<u>468. 32.0</u>	<u>472. 31.8</u>		<u>Forged and finished and</u>	
Tests on Standard Test Pieces.	<u>29.0</u> <u>180</u>	<u>32.0</u> <u>180</u>		<u>Cent liners fitted</u>	
Tensile Test— Tons per square inch	<u>474. 32.0</u> <u>32.0</u> <u>180</u>	<u>484. 32.0</u> <u>32.0</u>		<u>528. 32.0</u> <u>29.5</u>	<u>476. 31.0</u> <u>31.0</u>
Extension per cent	<u>180</u>	<u>32.0</u>		<u>180</u>	<u>180</u>
Cold Bending Test— Angle before fracture	<u>486. 31.8</u> <u>32.0</u> <u>180</u>	<u>180</u>		<u>180</u>	<u>180</u>
Dates when Inspected				<u>12.8.23</u>	<u>15.12.23</u> <u>14.8.23</u> <u>4.10.23</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

478 - 31.2
34.0
180

Fee (if any chargeable) £
To be paid at _____

* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.



RECEIVED
SEP 28 1988
LLOYD'S REGISTER
MIDLANDS

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CRICKET

WEDNESDAY



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Lloyd's Register
Foundation