

Rpt. 7.

For the information of Surveyors and the Committee only

Received at

On

10

Lloyd's Register of Shipping.

(Report on Machinery, No. 44160

Port

Wul

~~APPENDED~~
No. 23954

ENGINE FORGINGS OR CASTINGS.

Lord Plender

I have to report that the ~~Forgings or Castings~~, as herein described, manufactured by The Rothurham Forge & Rolling Mills Co. Ltd. of Rothurham for the Engines No. 1440 being constructed by Messrs C. D. Holmes, C. Ltd. of Sheff 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 _____

Mark on Forgings or Castings.

Lloyd's
No. 708
M.A.B. 25/5/33.

M.A. Black.

Sheffield
29/6/33.

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>3 Cr Rods</u>	<u>2 Piston Rods</u>		<u>1 Journal</u>
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<u>Siemens</u>		<u>Steel</u>	
How made ...		<u>Forged</u>		
If Annealed ...		<u>Yes</u>		
Dimensions, Forgings	<u>Dia 4 1/2" - 4 5/8"</u>	<u>Dia 4 1/2"</u>	<u>Dia 8"</u>	<u>Dia 8 1/4"</u>
Weight, Castings	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
Progress on { Inspection }	<u>Black</u>		<u>Forgings</u>	
Tests on Standard Test Pieces.	<u>145</u>	<u>144</u>	<u>149</u>	<u>150</u>
Tensile Test—	<u>29.4</u>	<u>28.2</u>	<u>30.0</u>	<u>29.0</u>
Tons per square inch	<u>29.0</u>	<u>35.0</u>	<u>31.0</u>	<u>34.0</u>
Extension per cent	<u>3"</u>			
Cold Bending Test—	<u>180° W.F.</u>	<u>180° W.F.</u>	<u>180° W.F.</u>	<u>180° W.F.</u>
Angle before fracture				
Dates when Inspected	<u>19/5/33</u>	<u>6</u>	<u>25/5/33</u>	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £ ~

To be paid at ~

* If wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.