

Gulphawk

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at \_\_\_\_\_ Office, \_\_\_\_\_ 19\_\_

# Lloyd's Register of Shipping.

(Report on Machinery, No. \_\_\_\_\_ Port Sunderland)

## No. \_\_\_\_\_ ENGINE FORGINGS ~~OR CASTINGS~~.

4 JUNE 1928

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. 165 being constructed by Wm. Hoeford Sons of Sunderland for the Ship No. \_\_\_\_\_, being built by Contact No 32 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 Sunderland

Mark on Forgings or Castings.

Lloyd's  
No 2846D  
MR

M. Robertson

Darlington 25.5.28

	CRANK SHAFT. <u>Piston Rod</u>	THRUST SHAFT. <u>2 Bolts &amp; 1 Keep for Side Crosshead</u>	INTERMEDIATE SHAFT. <u>1 Starting Leash Body</u>	TUBE SHAFT.  SCREW SHAFT.
Material* ...	<u>Seimens</u>	<u>Martin</u>	<u>Ingot Steel</u>	
How made ...	<u>Forged</u>	<u>and</u>	<u>Annealed</u>	
If Annealed ...		<u>Yes</u>		
Dimensions, Forgings	<u>180/8 dia</u>			
Weight, Castings ...				
Progress on Inspection	<u>Forged &amp; Rough Mach'd</u>	<u>Forging and Testing</u>		
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	<u>244 - 29.4</u>	<u>246 - 31.8</u>		
Extension per cent	<u>30.0</u>	<u>29.0</u>		
Cold Bending Test— Angle before fracture	<u>180</u>	<u>180</u>		
Dates when Inspected	<u>15.5.28</u>	<u>6.25.28</u>		

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

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.

5m,8,26.

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Foundation