

# Lloyd's Register of Shipping.

(Report on Machinery, No. 87074 Port Newcastle)

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. 270 being constructed by Parsons Marine S.E. & L<sup>td</sup> of S.S. Kingswood 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. 6813D  
D.D.W

D. D. Williamson

Darlington 15-7-30

	CRANK SHAFT. <u>Pear Wheel</u> FLYWHEEL SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT. <u>Line</u> SCREW SHAFT.
Material* ...	<u>S. M. Ingot Steel</u>			
How made ...	<u>Forged</u>			
If Annealed ...	<u>Yes</u>			
Dimensions, Forgings	<u>13" dia x 13 1/2" dia</u>	<u>12 3/4" dia</u>	<u>3" x 4" dia</u>	<u>12 3/4" dia x 13" dia</u>
Weight, Castings	<u>Forged &amp; Rough Machined</u>			
Progress on Inspection }				
Tests on Standard Test Pieces.	<u>Test 42</u>	<u>Test 130</u>	<u>Test 56</u>	<u>Test 52</u>
Tensile Test— Tons per square inch	<u>31.8</u>	<u>29.8</u>	<u>31.0</u>	<u>31.0</u>
Extension per cent	<u>28.0</u>	<u>32.0</u>	<u>32.0</u>	<u>30.0</u>
Cold Bending Test— Angle before fracture	<u>180°</u>			
Dates when Inspected	<u>2-6-30 to 3-7-30</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £ 10-10-0 To be paid at Darlington

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