

Lloyd's Register of Shipping.

(Report on Machinery, No.

Port *Manchester*)

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 *306* being constructed by *Swan Hunter & Co Ltd* of *Newcastle* 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 *Newcastle*

Mark on Forgings or Castings.

Lloyd's

No *5924-D*

MR

M. Robertson

Darlington 18.10.28

2 2nd Red Union Shafts

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<i>Nickel Steel</i>			
How made ...	<i>Forged & Annealed</i>			
If Annealed...	<i>Yes</i>			
Dimensions, Forgings	<i>34 3/4 dia</i>			
Weight, Castings				
Progress on { Inspection }	<i>Forged Rough Mach'd</i>			
Tests on Standard Test Pieces.				
Tensile Test—	<i>34,922 - 42.0</i>			
Tons per square inch				
Extension per cent	<i>27.2</i>			
Cold Bending Test—				
Angle before fracture	<i>180</i>			
Dates when Inspected	<i>10.9.28 20.9.28</i>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £

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.

