

Port Darwin

W1021-0082

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at

Office, 3 OCT 1931 19

# Lloyd's Register of Shipping.

(Report on Machinery, No. 84837

Port Murcastle on Tyne

## 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. 13/6 being constructed by Swan Hunter & Co. Ltd. of Murcastle 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 Murcastle

Mark on Forgings or Castings.

Lloyd's

N<sup>o</sup> 5925D

MR

M. Robertson

Darlington 26-1-29

	CRANK SHAFT. 2 Wheel Shafts	THRUST SHAFT.	INTERMEDIATE SHAFT. 1 20	TUBE SHAFT. 2 2nd Red Primaries
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	Siemens Martin Engol. Steel			Nickel Steel
How made ...	Forged	and	Annealed	
If Annealed ...	Yes		Yes	
Dimensions, Forgings	6 9 3/4 dia	5 5 3/4 dia	3 5 3/4 dia	3 4 3/4 dia
Weight, Castings				
Progress on Inspection }	Forged	and	Rough Machined	
Tests on Standard Test Pieces.				
Tensile Test—	41962-29.6	720-31.0	722-29.0	892-44.8
Tons per square inch				
Extension per cent	35.0	31.0	35.0	34.0 and 2
Cold Bending Test—				
Angle before fracture	180	180	180	180
Dates when Inspected	13-9-28 11-12-28	14-12-28 5-28-12-28	12-1-29 25-1-29	

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.