

For the information of Surveyors and the Committee only.

Received at

Office,

19

Lloyd's Register of Shipping.

(Report on Machinery, No.

Port

Newcastle 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. 1322 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

on Forgings or Castings.

Lloyd's

No. 595D

MR

M. Robertson

Darlington 1-2-29

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	2.2" Red wheel rims		1 1/2"	2.1" Red wheel rims
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material	Siemens	Martin	Ingot	Steel
Made	Forged	and	annealed	
annealed	Yes		Yes	
Dimensions, Forgings	2333 1/4 dia	363 1/2 dia	363 1/2 dia	1497 1/2 dia
ht, Castings				
Press on inspection	Forging, Testing, and Rough Machining			
Tests on Standard Test Pieces.				
Shear Test—	3/19/14 = 32.0	736 = 28.4	738 = 29.4	6/8 = 32.0
lbs per square inch				
Extension per cent	32.0	37.0	36.0	34.0
Bending Test—	180	180	180	180
Angle before fracture				
When Inspected	20-11-28	6	31-1-29	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

(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.

W412-0241