

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 10

Lloyd's Register of Shipping.

(Report on Machinery, No. _____ Port _____)

No. 15451 ENGINE FORGINGS OR CASTINGS.

I have to report that the Iron or Steel Forgings or Castings, as herein described, manufactured by Shields Eng Coy Ltd of W Shields for the Engines No. 514 being constructed by them of the SS "Lithium" for the Ship No. 729, being built by Cochran & Sons of Billy have been inspected by me as set forth below, and found to be, so far as can be seen, sound

on Forgings or Castings.

Lloyd's
No. 2552
W.R.A.

Wm R Austin

Newcastle-on-Tyne

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	<u>S.I.</u>	<u>S.I.</u>	/	<u>S.I.</u>
How made	<u>Forged & Heat</u>	<u>Forged</u>		<u>Forged</u>
Dimensions	<u>4" dia</u>	<u>4" dia</u>		<u>7 3/4" dia</u>
Progress on Inspection	<u>Length specified</u>	<u>Length specified</u>		<u>Length specified</u>
Tests on Standard Test Pieces.				<u>Continuous Run</u>
Ultimate Test— Tons per square inch				
Extension per cent				
Cold Bending Test— Angle before fracture				
Dates when Inspected	<u>9/12/16</u>	<u>1/2/17</u>		<u>23/1/17</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £
To be paid at _____

* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.