

Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No.

Port *Aburdeen*)

No. 1997. ENGINE FORGINGS ~~OR CASTINGS~~.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by *James Carmichael & Co. of Dundee*, for the Engines No. being constructed by *S.S. "ARMIDA"* of *J. & J. Thompson & Sons* for the Ship ~~No.~~ being built by *J. & J. Thompson & Sons* of *Isle of Jura* have been inspected by me as set forth below, and found to be, so far as can be seen, *of good material.*

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.

Mark on Forgings ~~or Castings~~.

Lloyd's
No. 413M
JC. 14. 5-13

James Carnaghan,
Dundee,
26-5-13.

	ONE		STRAIGHT SHAFTING.		
	CRANK SHAFT.	PISTON ROD	THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	<i>S.M. INGOT STEEL</i>				
How made ...	<i>Forged.</i>				
Dimensions ...	<i>5" diameter.</i>				
Progress on Inspection }	<i>Black forged.</i>				
Tests on Standard Test Pieces.					
Tensile Test—					
Tons per square inch ...	<i>31.4</i>				
Extension per cent ...	<i>31% ~ 3"</i>				
Cold Bending Test—					
Angle before fracture ...	<i>150° w.r.</i>				
Dates when Inspected	<i>14/5/13</i>				

~~PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:~~

Fee (if any chargeable) £ 0-10-6
To be paid at *Dundee.*



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

Hall Russell & Co Ltd.
s.s. "Armida" Renamed "Hyndian"
Piston rod forging
Alm Rpt. no 11268



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