

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at

Office,

19

Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. *34292*)

Port

*Glasgow.**Bingera.*No. *2105*ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the ~~From~~ Steel Forgings ~~or Castings~~, as herein described, manufactured by *James Carmichael & Co., Ltd.* of *Dumfries*, for the Engines No. *761* being constructed by *McNair & Baxter* of *Govan* 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, *of good material.*

Mark on Forgings ~~or Castings~~.

Lloyd's

No. *45817*

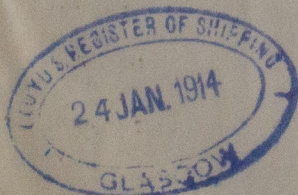
20. 20-12-13 PROPELLER SHAFT.

20. 19-7-14 THRUST & INTERMEDIATE SHAFTS.

James Cunningham.
*Dumfries.**23-1-14.*

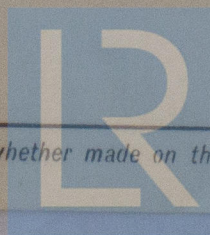
	CRANK SHAFT.	STRAIGHT SHAFTING.		
		1 THRUST SHAFT.	4 INTERMEDIATE SHAFTS.	1 PROPELLER SHAFT.
Material* ...		<i>S.M. INGOT STEEL.</i>	<i>S.M. INGOT STEEL.</i>	<i>S.M. INGOT STEEL.</i>
How made ...		<i>Forged.</i>	<i>Forged.</i>	<i>Forged.</i>
Dimensions ...		<i>7" dia.</i>	<i>6 5/8" dia.</i>	<i>7 1/2" dia.</i>
Progress on Inspection }		<i>Black, rough turned & finished.</i>		
Tests on Standard Test Pieces.				
Tensile Test—				
Tons per square inch ...		<i>28.6</i>	<i>30.1 28.6 30.8</i>	<i>30.2</i>
Extension per cent ...		<i>33% in 3"</i>	<i>32.0% 33% 33%</i>	<i>30% in 3"</i>
Cold Bending Test—				
Angle before fracture ...		<i>180° w.f.</i>	<i>180° w.f.</i>	<i>180° w.f.</i>
Dates when Inspected		<i>13/10/13 30/10/13 5/11/13 7/11/13 19/11/13</i>	<i>13/10/13 24/10/13 28/10/13 31/10/13 7/11/13 20/11/13 19/11/13</i>	<i>28/10/13 5/11/13 9/11/13 11/11/13 20/12/13</i>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS.



Fee (if any chargeable) £ *none.*
To be paid at *✓*

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



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Foundation