

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 ~~Iron or~~ Steel Forgings ~~or Castings~~, as herein described, manufactured by James Carmichael & Co., Ltd. of Dundee, for the Engines No. 761 being constructed by McKie & 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.

* THE WORDS FORGINGS OR CASTINGS, IRON OR STEEL, SHOULD BE STRUCK OUT AS MAY BE REQUIRED.

Mark on Forgings ~~or Castings~~.

Lloyd's
 No. 45817
 20. 20-12-13 PROPELLER SHAFT.
 20. 19-7-14 THRUST & INTERMEDIATE SHAFTS.

James Carragher
Dundee
 23-1-14.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		1 THRUST SHAFT.	4 INTERMEDIATE SHAFTS.	1 PROPELLER SHAFT.
Material* ...		S.M. INGOT STEEL.	S.M. INGOT STEEL.	S.M. INGOT STEEL.
How made ...		Forged.	Forged.	Forged.
Dimensions ...		7" dia.	6 5/8" dia.	7 1/2" dia.
Progress on Inspection }		Black, rough turned & finished.		
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch ...		28.6	30.1 28.6 30.8	30.2
Extension per cent ...		33% in 3"	32.0% 33% 33%	30% in 3"
Cold Bending Test— Angle before fracture ...		180° w.f.	180° w.f.	180° w.f.
Dates when Inspected		13/10/13 30/10/13 5/11/13 7/11/13 19/11/13	13/10/13 24/10/13 28/10/13 31/10/13 7/11/13 20/11/13 19/11/13	25/10/13 5/12/13 9/12/13 11/12/13 20/12/13

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.

