

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 of Bingera.)

## No. 2109- 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. 762 being constructed by McKie & Buntin 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.

Report on Forgings or Castings.

Lloyd's

No. 45917

J.C. 20-12-13 Propeller shaft.

J.C. 19-1-14 Thrust & 1 intermediate shaft.

J.C. 3-2-14, 3 intermediate shafts.

James Carnegham  
Dundee,  
3-2-14.

### CRANK SHAFT.

### STRAIGHT SHAFTING.

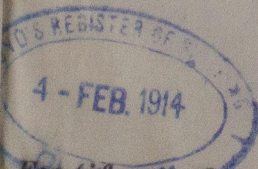
#### 1 THRUST SHAFT.

#### 4 INTERMEDIATE SHAFTS.

#### 1 PROPELLER SHAFT.

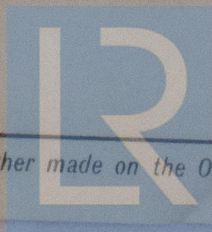
Material	S.M. INGOT STEEL.	S.M. INGOT STEEL.	S.M. INGOT STEEL.
How made	Forged.	Forged.	Forged.
Dimensions	7" dia.	6 5/8" dia.	7 1/2" dia.
Progress on inspection	Black rough turned & finished.		
Tests on Standard Test Pieces.			
Tensile Test—Tons per square inch	30.3	30.2 32.1 30.1 30.0	30.6
Extension per cent	32% in 3"	30% 28% 32% 33%	30% in 3"
Bending Test—Angle before fracture	180° W.F.	180° W.F.	180° W.F.
Dates when Inspected	18/1/13 24/1/13 29/1/13 9/1/14 19/1/14	28/1/13 18/1/13 29/1/13 3/1/14 19/1/14 21/1/14	18/1/13 14/1/13 20/1/13

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.



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