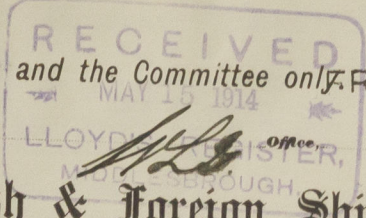


For the information of Surveyors and the Committee only. RI. JUL. 17. 1914



Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. 8548 Port Middlesbrough)

No. 13847 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by John Spencer & Sons Ltd. of Newburn for the Engines No. 1804 being constructed by Blair & Co. Ltd. of Stockton-on-Tees 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, Sound

at - tunnel shafts
in Forgings or Castings.

Lloyd's

No. 180-N.
W.C.

440YDS
N= 6897
WM- 21.5.14 → Crank shaft
15.6.14 → Tail end shaft

McC Campbell
Newcastle

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	Ingot steel	Ingot steel	Ingot steel	Ingot steel
Mode of manufacture	Forged & Machined	Forged & Machined	Forged & Machined	Forged & Machined
Dimensions	15 - 14 1/2	15	14	15 5/16 16 1/4
Finish on section	Rough turned	Rough turned	Rough turned	Rough turned
Test on Standard Pieces.				
Test - per square inch	30.96. 31.4. 31.0. 31.0. 31.22.		29.6. 31.2. 31.8. 32.0. 30.2. 30.6.	
Extension per cent	30%. 30%. 29%. 30%. 31%.		30%. 30%. 29%. 28%. 31%. 33%.	
Enduring Test - before fracture	180°. 180°. 180°. 180°. 180°.		180°. 180°. 180°. 180°. 180°. 180°.	
When Inspected	February 17 - To May 13 - 1914.			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

Shafting examined when finished and found as far as could be seen sound and good - shafts re-stamped as shown above

W. Morrison
15.7.14

Charge (if any chargeable) £
To be paid at

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

Diameter of water

Pitch across wide water spaces 14 1/2" Working pressures by rules 192 Girders to Chamber tops:

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Foundation

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