

Lloyd's Register of Shipping.

(Report on Machinery, No. 9866 Port Middlesbrough)

Embleton

No. F11889 ENGINE FORGINGS OR CASTINGS.

I have to report that the Iron ~~or~~ Steel Forgings or Castings, as herein described, ~~for finished~~ manufactured by Messrs Blair & Co of Stockton for the Engines No. 1844 being constructed by Messrs Blair & Co Ltd of Stockton for the Ship No. 509, being built by Messrs Robson & Co of Stockton have been inspected by me as set forth below, and found to be, so far as can be seen, sound and good.

on Forgings or Castings.

W^m Morrison

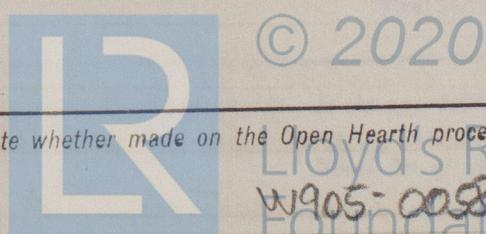
Middlesbrough
20.5.17

Lloyd's
No. 7087
21.4.17 = crank shaft
1.6.17 = tail end shaft

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	<u>Ingot Steel</u>			<u>Scrap iron</u>
Made	<u>Built</u>			<u>Forged</u>
Dimensions	<u>14 1/2" x 14 1/2" Pins</u>			<u>15 1/2" diam</u>
Process on inspection	<u>Machined & finished under special survey.</u>			<u>Machined & finished</u>
Tests on Standard Test Pieces.				
Tensile Test—	<u>31.5, 30.8, 29.6, 31.4</u>			✓
lbs per square inch				✓
Elongation per cent	<u>28 - 32 - 30 - 33</u>			✓
Bending Test—	<u>180° - 180° - 180° - 180°</u>			✓
Angle before fracture				
Inspected	<u>Last visit 21.4.17</u>			<u>Last visit 1.6.17</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS: continuous strain

Fee (if any chargeable) £
To be paid at ✓



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

15. T

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been made of good material and workmanship and on com