

Lloyd's Register of Shipping.

Report on Machinery, No. _____ Port _____

No. **F.3316.**

ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the Forgings ~~or Castings~~ as herein described, manufactured by **Messrs. Mitchell Shackleton & Co. Ltd.**, of **Patricroft** for the Engines Nos. **3842** being constructed by **Messrs. Russell Newbery & Co.** of **Altrincham** for the Ship No. **J.2533/5**, being built by **Messrs. C. D. Holmes & Co.**, of **Hull** have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been ~~inspected~~ installed in Engines Nos. **3842 and 3843.**

on Forgings ~~or Castings~~

Lloyd's

No. **1841****2156****7.10.43. FH.****1.11.43. FH.****MANCHESTER. 17.2.44.**

	1 CRANK SHAFT. 1841 (Engine 3842)	1 CRANK SHAFT	1 CRANK SHAFT 1 Crankshaft. 2156 (Engine 3843)	1 CRANK SHAFT
Material* ...		O. H. Steel.		
Made ...		Forged.		
Annealed ...		Heat treated.		
Dimensions		Pins 2$\frac{3}{8}$" Journals 2$\frac{1}{2}$".		
Weight		-		
Height, Castings ...		-		
Progress on Inspection...		Finished.		
BEST RESULTS.				
Ultimate Tensile. Tons per sq. in...	43.2		38.0	
Yield Point. Tons per sq. in...	32.8		21.6	
Extension per cent. on 2 inches...	30.0		29.0	
Red. of Area %	65.8		47.2	
Cold Bending Test...	72, 73, 76.		180°	
Dates when Inspected	8.3.43	to	1.11.43.	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) -

To be paid at -

* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.