

13 FEB 1942

Received at

Office,

19

## Lloyd's Register of Shipping.

(Report on Machinery, No. 51570. Port Hull.

## No. 839. 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 3662 for the Engines No. 3661 being constructed by Messrs. Russell Newbery & Co., of Altrincham for the Ship No. J, 2511, being built by

of  
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 despatched to  
Installed in Engines Nos. 3661 and 3662

Mark on Forgings or Castings.

Lloyd's

No. 839.

JBG. 11.9.41.

Manchester. 12.2.42.

	2 CRANK SHAFTS.	THRUST SHAFT	INTERMEDIATE SHAFT	AXLE SHAFT
	2 Throw			SCREW SHAFT.
	FLYWHEEL SHAFT			
Material* ...	O. H. Ingot Steel.			
How made ...	Forged.			
If Annealed... ..	Yes.			
Dimensions	Ps. 2.3/8" Js. 2 1/8".			
Weight } Forgings	-			
Weight, Castings ...	-			
Progress on } Inspection }	Finished machined.			
TEST RESULTS.	839.			
Ultimate Tensile. Tons per sq. in. ...	40.8			
Yield Point. Tons per sq. in. ...	30.0			
Extension per cent on 2 inches ...	28			
Red. of Area % ...	57.0			
Cold Bending Test...	180°			
Dates when Inspected	11.8.41 to 11.9.41.			

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.