

## Lloyd's Register of Shipping.

(Report on Machinery, No. 60730)Port GLASGOWMiddlesexNo. 31727. ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. T. Firth & J. Brown Ltd. of Sheffield for the <sup>order</sup> Engines No. 5099/38 being constructed by Messrs. J. Brown & Co. Ltd. of Clydebank for the Ship No. <sup>53</sup> "MIDDLESEX" 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

Mark on Forgings or Castings.

Chas. S. Porter

Lloyd's  
No. S.8237  
C.S.P. 21/6/38

Sheffield 22/6/38

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>1 L.P. Dummy Wheel</u>			
	<u>FLYWHEEL SHAFT</u>			<u>SCREW SHAFT.</u>
Material* ...	<u>Stainless Steel</u>			
How made ...	<u>Forged</u>			
If Heat Treated ...	<u>Yes</u>			
Dimensions, Forgings ...	<u>3' 9 3/4"</u>			
Weight, Castings ...	<u>13-2-16</u>			
Progress on Inspection ...	<u>Rough Machined</u>			
Tests on Standard Test Pieces.				
Tensile Test—	<u>36.6</u>			
Tons per square inch				
Extension per cent	<u>28.0</u>			
Cold Bending Test—	<u>180°</u>			
Angle before fracture				
Dates when Inspected	<u>9/6/38 to 21/6/38.</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £ — 10-6To be paid at Sheffield.

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

