

Lloyd's Register of Shipping.

(Report on Machinery, No. 60730 Port GLASGOW)MiddlessexNo. 31680 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 ^{order} ^{S.O.} ^{of} for the ~~Engines~~ ^{order} No. 99/38 ^{S.O.} being constructed by Messrs. J. Brown & Co., Ltd., of Clydesbank for the Ship M.S. "MIDDESEX" 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. see below
C.S.P. 3/6/38

2 Pinion Spindles

Sheffield 10/6/38

	CRANK SHAFT. S. 8184 FLYWHEEL SHAFT.	THRUST SHAFT. S. 8185	INTERMEDIATE SHAFT.	TUBE SHAFT. SCREW SHAFT.
Material* ...	Steel	Steel		
How made ...	Forged			
If Heat Treated ...	Yes			
Dimensions, Forgings	14 1/4"			
Weight, Castings	3-14-3-21	3-14-3-8		
Progress on Inspection	Rough	Flashed		
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	35.8	38.4		
Extension per cent 3"	28.0	25.0		
Cold Bending Test— Angle before fracture	180°	180°		
Dates when Inspected	20/5/38 to 3/6/38			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Nº 8183 J.H.P. Spindle
14º 8184 Z.P. " "

Fee (if any chargeable) £ 5-12-6

To 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.