

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at

Office **OCT 5 1938** 10**Lloyd's Register of Shipping.**

(Report on Machinery, No. _____ Port _____)

No. 31904 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by Messrs Woodhouse & Riscoe of SHEFFIELD, for the ^{order} ~~Engine~~ No. 1281/A being constructed by Messrs J. & E. Hall Ltd. of Dartford for the Ship No. 434, being built by Messrs Greenock Dockyard Co. Ltd. of Greenock 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~~.**Lloyd's**No. 495/6
C.S.P. 23/9/38*H. Kimber Esq.***SHEFFIELD** 3/10/38.

	2 CRANK SHAFTS 495 FLYWHEEL SHAFT.	THRUST SHAFT. 496.	INTERMEDIATE SHAFT.	TUBE SHAFT. SCREW SHAFT.
Material* ...	S. M. STEEL.			
How made ...	FORGED.			
If Annealed...	HEAT TREATED.			
Dimensions } Weight } Forgings	✓			
Weight, Castings ...				
Progress on { Inspection {	ROUGH MACHINED.			
Tests on Standard Test Pieces.				
Tensile Test—				
Tons per square inch ...	31.20	30.80		
Yield	16.80	15.48		
Extension per cent 2"	32.0	33.0		
Cold Bending Test—				
Angle before fracture ...	180°	180°		
Dates when Inspected	2/9/38	to 23/9/38		

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Crankshafts examined after final machining and found satisfactory.

Fee (if any chargeable) Monthly 9/- 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.