

# Lloyd's Register of Shipping.

Report on Machinery, No. 52250 Port Hull

160

No. 38377

## ENGINE FORGINGS ~~OR~~ CASTINGS.

The words FORGINGS or CASTINGS should be struck out as may be required.

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by The Rotherham Forge & Rolling Mills Co. Ltd., of ROTHERHAM Order of Messrs. C. D. Holmes & Co. Ltd., for the ~~Engines~~ No. M.1282 being constructed by HULL for the Ship No. \_\_\_\_\_, 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~~.

Lloyd's  
see  
No.s below  
F.W.

*Fred Wood*

SHEFFIELD. 27-5-43

	<del>CRANK SHAFT.</del>	<del>THRUST SHAFT.</del> 2	INTERMEDIATE SHAFTS		<del>TOBB SHAFT.</del>
	3 Conn. Rods 858	1 Journal 850	848	849	844
	<del>PLYWHEEL SHAFT.</del>	1659	1659	1656	1 SCREW SHAFT.
Material* ...	Siemens		Steel		
How made ...	Forged				
If Annealed ...	Heat		Treated		
Forgings { Dimensions Weight					
Weight, Castings ...					
Progress on Inspection...	Rough		Machined		
<b>TEST RESULTS.</b>					
Ultimate Tensile. Tons per sq. in...	32.0	29.9	29.5	29.6	29.1
Yield Point. Tons per sq. in...	19.4	18.0	16.2	15.0	20.3
Extension per cent. on 3 inches...	30.0	34.0	32.5	33.5	34.0
Red. of Area %	47.16	50.7	54.2	54.2	66.76
Cold Bending Test...	180°	180°	180°	180°	180°
Dates when Inspected	6 - 5 - 43		to		12 - 5 - 43

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

*End finished* 18-9-43  
*End finished* 15-9-43  
*End finished* 20-7-43  
*End finished* 6-8-43  
*End finished* 23-8-43  
 Rejected Sand Inclusion 6-7-43

Fee (if any chargeable) Monthly Account 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.