

-5 DEC 1933

Received at

Office,

19

## Lloyd's Register of Shipping.

(Report on Machinery, No. 90775 Port Newcastle.)No. \_\_\_\_\_ ENGINE ~~FORGINGS~~ OR CASTINGS.

I have to report that the ~~Forgings~~ or Castings, as herein described, manufactured by Messrs J Gopling & Son Ltd of Sunderland for the Engines No. \_\_\_\_\_ being <sup>repaired</sup> ~~constructed~~ by North Eastern Marine Eng Co of Wallsend-on-Tyne for the Ship No. \_\_\_\_\_, being built by SS Fairport 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

North Eastern Marine Eng Co Ltd Wallsend.

Mark on Forgings or Castings.

Lloyd's

No. 8918 7921  
8.9.33 13.9.33  
98 98

6 Valves  
2 Branch per

J Dale  
Sunderland

	CRANK SHAFT.	THRUST SHAFT	INTERMEDIATE SHAFT.	TUBE SHAFT.
		<u>1 Core</u>		
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...		<u>Cast steel</u>		
How made ...		<u>Electric furnace</u>		
If Annealed... ..		<u>yes</u>		
Dimensions, Forgings		<u>Pattern</u>		
Weight, Castings ...		<u>19-0.0</u>		
Progress on { Inspection }		<u>Repairing &amp; testing</u>		
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch ...		<u>29.5-31</u>		
Extension per cent ...		<u>30% 24%</u>		
Cold Bending Test— Angle before fracture ...		<u>120 120</u>		
Dates when Inspected		<u>8-13/9/33</u>		

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £ Monthly a/c. To be paid at SUNDERLAND

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