Rpt. 7.

For the information of Surveyors and the Committee only.

Received at AUG 16 1937 Office, 19

Lloyd's Register of Shipping.

(Report on Machinery, No. 853 Port Cleveland.)

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

No. 3107 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by The Ellwood City Forge Company. Order No. 53685 *of* Ellwood City, Penna. *for the Engines No.* ..... *being constructed by* The Cooper-Bessemer Corp. *of* Grove City, Penna. *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* Grove City, Penna.

Mark on Forgings or Castings.

Lloyd's
No. 3107
WJF 3-30-37

Pittsburgh, Penna.

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	Three Throw ~~FLYWHEEL SHAFT~~			SCREW SHAFT.
Material*	O.H. STEEL			
How made	FORGED			
If Annealed	YES			
Dimensions, Forgings				
Weight, Castings ...				
Progress on Inspection ...	ANNEALED & ROUGH TURNED			
Tests on Standard Test Pieces. Tensile Test— Tons per square inch ...	51000 52000	Yield		
	86000 87000	Ultimate		
Extension per cent ...	32.0 32.0			
Cold Bending Test— Angle before fracture ...	64.7 64.0	Reduction		
Dates when Inspected	3-30-37.			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Tested in accordance with the Cooper-Bessemer Speci. No. C-5

Fee (if any chargeable) £ *To be paid at* Pittsburgh

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

10m.10.30.

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