

# Lloyd's Register of Shipping.

(Report on Machinery, No. 95796 Port M.C.)

## No. F12049 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 Messrs J. H. Stephenson & Co. Ltd. of Studdersfield for the Engines No. 1178/37 being constructed by Messrs The North Eastern Har. Eng. & Ship. Co. Ltd. of Wallsend-on-Tyne for the Ship No. \_\_\_\_\_, being built by \_\_\_\_\_ of \_\_\_\_\_

have been inspected by US as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to

Wallsend-on-Tyne.

Mark on ~~Forgings or~~ Castings.

Lloyd's  
No. G556  
G.R.C.  
20/9/37

G582 G625 G700 G704  
G.R.C. G.R.C. G.R.C. G.R.C.  
4/10/37 14/10/37 8/11/37 11/11/37

George R. Chappell & M. A. Black.  
Manchester  
14/12/37.

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.	
	FLYWHEEL SHAFT.				BOREW SHAFT.
Material* ...	<u>cast steel</u>	<u>G556 - 1-1/2" A.V. Body F71</u>			
How made ...	<u>cast</u>	<u>1-1/4" x 1/4" x 1/2" Braidpiece F73</u>			
If Annealed...	<u>yes</u>	<u>G582 - 1-1/2" G.V. Cover F70</u>			
Dimensions {	<u>✓</u>	<u>1-1/4" G.V. Body F75</u>			
Weight { Forgings	<u>✓</u>	<u>G625 - 1-1/4" x 1/4" x 1/2" Braidpiece F72</u>			
Weight, Castings	<u>1-1-26</u>	<u>G700 - 1-1/4" A.V. Cover F71</u>			
Progress on {	<u>Rough cast</u>	<u>1-1/4" G.V. do F75</u>			
Inspection {		<u>G704 - 1-1/2" G.V. Body F70</u>			
Tests on Standard Test Pieces.	<u>G556</u>	<u>G582</u>	<u>G625</u>	<u>G700</u>	<u>G704</u>
Tensile Test—					
Tons per square inch	<u>31.2</u>	<u>30.6</u>	<u>29.7</u>	<u>29.0</u>	<u>29.8</u>
Yield	<u>16.4</u>	<u>14.8</u>	<u>14.0</u>	<u>16.2</u>	<u>15.6</u>
Extension per cent	<u>28.0</u>	<u>29.0</u>	<u>31.0</u>	<u>30.0</u>	<u>31.0</u>
Cold Bending Test—					
Angle before fracture	<u>130°</u>	<u>130°</u>	<u>130°</u>	<u>130°</u>	<u>130°</u>
Dates when Inspected	<u>16/9/37</u> <u>20/9/37</u>	<u>30/9/37</u> <u>4/10/37</u>	<u>11/10/37</u> <u>14/10/37</u> <u>4/11/37</u>	<u>8/11/37</u>	<u>8/11/37</u> <u>11/11/37</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

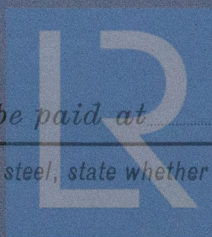
Hammer Tests Satisfactory

cast 2 1/6"  
12 1/6"

Fee (if any chargeable)

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.



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Manchester

Lloyd's Register  
Foundation

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