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R1128
37
"KINGSWOOD"

Lloyd's Register of Shipping.

(Report on Machinery, No. 95796

Port

lwe.

No. F12052 ENGINE ~~FORGINGS OR~~ CASTINGS.

The words FORGINGS or CASTINGS should be struck out if not required.

I have to report that the ~~Forgings or~~ Castings, as herein described, manufactured by Wm. Hopkinson & Co. Ltd. of Huddersfield for the Engines No. 1178/37 being constructed by Wm. The North Eastern Har. & Ry. 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. <u>G545</u>
<u>GRC</u>
<u>20-9-37</u>

<u>G563</u>	<u>G569</u>	<u>G582</u>	<u>G658</u>
<u>GRC</u>	<u>MAB</u>	<u>GRC</u>	<u>GRC</u>
<u>20-9-37</u>	<u>23-9-37</u>	<u>4-10-37</u>	<u>18-10-37</u>

Wm. Black & George. Chappell
Manchester
14/12/37

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<u>best Steel</u>	<u>G545 - 1 1/2" x 1 1/2" x 3/4" Tee piece F62</u>		
How made ...	<u>cast</u>	<u>G563 - 1.3" x 2" x 1 1/2" x 1 1/4" x 1 1/4" Branch piece F58</u>		
If Annealed...	<u>yes</u>	<u>G569 - 1.2" x 1 1/2" x 1 1/4" x 1" Tee piece F59</u>		
Dimensions	<u>✓</u>	<u>1.1 3/4" x 1" x 1 1/2" do F61</u>		
Weight } Forgings	<u>✓</u>	<u>G582 2.1" G.V. Core F54</u>		
Weight, Castings ...	<u>See page 1.</u>	<u>1.1 1/2" R.A. Valve Body F56</u>		
Progress on Inspection	<u>Rough Cast</u>	<u>1.1" do Core F57</u>		
Tests on Standard Test Pieces.		<u>G658 1.1" G.V. Core F54</u>		
Tensile Test—	<u>G545</u>	<u>G563</u>	<u>G569</u>	<u>G582</u>
Tons per square inch ...	<u>32.6</u>	<u>30.8</u>	<u>31.0</u>	<u>30.6</u>
<u>Tulsa</u>	<u>16.8</u>	<u>14.8</u>	<u>16.6</u>	<u>14.8</u>
Extension per cent ...	<u>28.0</u>	<u>29.0</u>	<u>30.0</u>	<u>29.0</u>
Cold Bending Test—	<u>130°</u>	<u>130°</u>	<u>130°</u>	<u>130°</u>
Angle before fracture ...				
Dates when Inspected	<u>16/9/37 To 20/9/37</u>	<u>20/9/37 23/9/37</u>	<u>30/9/37 4/10/37</u>	<u>14/10/37 18/10/37</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

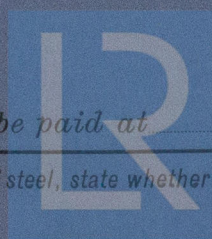
Hammer Tests Satisfactory

Fee (if any chargeable)

See Page 1.

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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Foundation

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