

produces less heat than sample (B). Accordingly I pronounce sample A inferior to sample B.

(Signed)

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Professor of Chemistry.

The comparison of the results thus obtained, shows that in so far as our coal being inferior to that of Mr. Battle's, it is much superior, and if our coal was worth \$7.25 per ton, then the other coal should have been bought for \$5.60 instead of \$6.25, the price the city is paying, in order to make it equivalent, and instead of the city saving \$500, which was claimed at that time, it will be losing more than \$300. In addition to the actual loss, there is the extra expense of constant attendance and the fear of being unable to keep up sufficient heat during the cold weather, (this is a mild weather coal), which occurred to the public schools in 1898 and '99, when they purchased this coal and had to close some of them during the severe weather.

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