

such frauds. It is felony to obtain money or goods under false pretences, and people are punished criminally for such acts. Is it not equally criminal in morals, if not in law, to publish certificates of the existence of certain proportions of valuable matter in a manure, and yet sell a material containing perhaps one-third or one-half the amounts stated in such certificates?

After consultation with many farmers and planters, and seriously reflecting upon this subject, I am fully satisfied that if a proper sum be allowed me for such assistance as will permit a comprehensive system of analysis to be executed, the evil will be very soon corrected.

The conscientious maker or dealer will, of course, furnish fair samples; but as there might be some who would act otherwise, I would propose to take such means as would insure samples of the articles *actually received* by the farmer. Such a number of each kind used in this State should be analyzed from time to time as will keep the public informed of their composition and value. The law might require these to be reported monthly or quarterly to the Governor or other officer, and published in one or more papers in each county, as in the case of the laws.

The effect of these measures would not fail to afford ample protection to the farmer against both fraud and ignorance, and whilst benefiting the honest dealers, would very soon drive all others out of the trade.

I fully accord with Prof. Johnson, also, in the opinion that in estimating the money value to the farmer of these *costly* manures, we may disregard all their constituents, except ammonia and phosphoric acid. If the proportions of these be correctly given, any farmer can readily calculate the real value of each, and determine which it is his interest to purchase.

A sample of a fertilizer was forwarded to me by Charles S. Contee, Esq., under the name of "*Grass Manure.*" It was analyzed with the following results:

Common salt, (chloride of sodium),	44.03
Phosphate of lime,	27.63
Phosphate of magnesia,	3.53
Carbonate of lime,	10.51
Carbonate of soda,	.97
Organic matter,	4.44
Water,	7.92

The above results indicate that this "grass manure" consists of a mixture in nearly equal proportions of good Mexican guano and common salt, and is doubtless useful as a manure. Its money value can therefore be easily determined.