

REFUSE ANIMAL MANURE.

Under this head I design calling attention to a manure made and extensively sold in the city of Baltimore since my last Report; in consequence of suggestions contained therein, and advice which I have since given. It is made and sold by a Mr. Horner, whose advertisement may be consulted in the Baltimore papers. All attempts to supply efficient and cheap manures to farmers and others should meet with due encouragement, especially as in this case, where the manure is made from matter which has hitherto proved nuisances to the city, and now by industry and knowledge is converted into useful manure. I have examined this manure and below give its composition. It contains in a ton, of

Ammonia,.....	54.34	pounds.
Phosphates,.....	528.00	“
Plaster,.....	122.00	“
Salts of Potash and Soda,.....	114.00	“
Lime,.....	300.00	“

The balance being organic matter, &c., of no especial value *in a manure*. Its value, estimated by the same rule as would make Peruvian guano containing 16 per cent. of ammonia and 25 per cent. of phosphates, worth \$46 per ton, is \$14.44 per ton. This manure is advertised to be sold at \$12 per ton, and is therefore cheaper at that rate than Peruvian guano. \$46 will buy in Peruvian guano of the above standard 320 pounds of ammonia and 500 pounds of phosphates. Forty-six dollars will buy of this manure three tons and sixteen hundred and sixty-six pounds, containing of

Ammonia, 208.28 pounds—worth.....	\$24.99
Phosphates, 20.23 pounds—worth.....	30.34
Total.....	<hr/> \$55.33

So this manure in point of money value will stand to Peruvian guano as \$55.33 is to \$46, or 20 per cent. more valuable.

As it is more bulky than guano, the freight will have to be considered, for which any one can make a proper deduction. It is also inferior to guano in the fineness of the division of its phosphates. I am fully aware of the great difficulty in fixing the exact absolute value of different substances in a compound manure, and the above estimates are to be taken only as approximations; since, however, all the values of the different manures are made by the same rule, for purposes of comparison, they will serve as sure guides.

Other manures are also manufactured in the city of Baltimore, some guaranteed to contain a particular quantity of valuable constituents, others without this guarantee. I have found the former to come up to the guarantee given, the latter, when they have been