

REMARKS.—1. There are several kinds of Guano, or rather it is called by different names, corresponding with the names of the Islands from which it is obtained. We understand there is some variation in quality, but the Peruvian Guano is the principal kind in the market, and when unadulterated is unquestionably, a first-rate fertilizer. The “doctoring” of Guano is carried to such a length however, that it is very difficult to obtain it pure.— Even in England adulteration is extensively practiced, and the only security is found in purchasing from Importers of established reputation. As to the best kind for ordinary farm crops in Canada, we doubt whether any kind can be used with profit for grain crops. Hoed crops may justify its application in small quantity, though with regard to these we need further experiments. We had hoped that the Experimental Farm would have been in operation long ere this, and that the economical and manurial value of Guano, superphosphate of lime, plaster, &c. and other matters of a similar character, would have been tested in a careful manner and the results made public. We have no desire to find fault, especially as our esteemed friend, Prof. Buckland is interested, though not as we understand the matter, blame-worthy. The “Farm” has been shifted from one part of the University grounds to another, two or three times; and even now there does not appear to be any certainty as to its location. We would advise the Board of Agriculture to lease a piece of ground for themselves, and expend, in experiments, the money and time now wasted on their “Journal.” These will furnish something worth publishing, and the Board will thus better meet the design of their appointment, and aid the improvement of agriculture. But we are travelling away from our correspondent’s queries.

2. We are not aware that Peruvian Guano, reliable as to quality, can be obtained either here or at Hamilton. Our correspondent, we think, will be obliged to order from New York, or better still, from Baltimore, the head-quarters of the Guano Agent of the Peruvian Government.

3. The price per ton of 2,240 pounds, at Baltimore, is \$55. We presume almost any of our merchants would execute an order for Guano. They may import this as well as any other article. We learn from our American Exchanges that the stock of Peruvian Guano is light, and demand active. The price in England (17th Dec.) was £11 5s. sterling, equal to \$54 per ton.

### QUICK RETURN OF DEEP DRAINS.

At a recent meeting of the *London Society of Arts*, Mr. H. S. Thompson gave a very lucid illustration of the greater quickness of the deeper drain; and as his experiments throw considerable light upon the relations of air, soil and rain-water, we subjoin a condensed statement of his description:—

It has for some time been known to practical men that deep drains begin to run, after rain, sooner than shallow ones;—a fact that has engaged the attention of the scientific drainer, but seldom, if ever, fully and satisfactorily explained. Mr. Thompson, with a view of solving the phenomenon, had several glass tubes made of different lengths, filled with soil, and tested the times at which they began to drip when water was poured on the soil at the top of the tubes at the same moment. If the soil was