

TERMS-CASH, OR CITY REFERENCES TO ACCOMPANY ALL ORDERS.

WAS ESTABL SHED in 183° by the late Peter R. Lamb. The business is now carried on by Mr. DANIEL LAMB, under the style of PETER R. LAMB & Go. The premiss are smalled in the North Fastern portion of the Cuy of Verente, are in every respect capacious and adapted for the purpose for which they are used Twenty-five hands and two steam engines are employed. Formerly the demand for the goods manufactured was so great, that it was found impossible to fill all orders, for Twenty-five hands and two steam engines are cuployed. Formerly the demand for the goods manufactured was so great, that it was found impossible to BONE DUST and SUPER PHOSPHATE OF LIME. During the last year extensive improvements have been made in order to most the increase of business.

MOST_VALUABLE. PERMANENT, MANURES TON

Correspondent of the "CANADA FARMER" asks the octor of that paper the following questions: What is the proper quantity of super-phosphate to apply to the acre? What is the proper way to apply it to turnips?

1. What is the project quantity or super-pine-pine to apply it to turnings:

2. What is the project may to apply it to turnings:

3. Is Super-phosphate of Line merely a stimulant, or is it a permanent manure?

4. Is Bone-laws a permanent manure, and it both these are permanent, which of the two is most so?

To the first question the editor correctly roples, that from two hundred pounds to four hundred pounds is generally secommended.

In answer to the second he says: "Care should be taken to incorporate the super-phosphate with the soil, as it is of so concentrated a nature that it ought not to come into direct contact with plant roots." We have used super phosphate ten many years, and more known of it "piring the roots of plants. It differs in this respect from Peruvian guame. The English larmers shall in the super phosphate with the turning seel and find that it so elementates the young plants that thoy are soon out of the ready of the "h". We believe that turning cultime will never become as general as is desirable till no use super phosphate, and have a drill to sow it on the rudges with the seed. As the Canadian farmers says at many turning, we hope that drilled it has known they have not been already. They are very common in England. It is a point of great importance. Super prosp are drilled in with the seed will deable the crop of turnings.

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In reply to the third question, the cduor of the "CANADA FARMER" says:—"Super-phosphate is a permanent manure (in a comparative sense) if really good, and its effects will be observed for many years after its application."

In reply to the fourth question, he says:—"Bone dust is a permanent manure. The observed her the thole longest. Our im

and yet the former is considered the most causable. It is so in all cases. Har, wool, horn, and hide, contain as much ultrogen as the best Peruvian guano, but being much make permanent, are not considered that as vatuance.

Why is this? Why are coarse, such bones so much chapter than fine bone dust? The answer is plain. The fine bone dust decomposes more rapidly, and produces a greater effect, but of course will not last as long. If it could be ground us then as flour it would act still quicker and produce a botter result—or what is the same thing, a less quantity would be needed to prod her agree effect.

So I super phosphate of time. This manure is simply bones made soluble by sulphuric acid.—In other words super-phosphate—with have a greater effect on a nero of turning than half a to, of long. But will it had a long? It is absent to suppose so If it is a really good article—in other words, if all the insoluble phosphate of the bones is conserted into solub phosphate have it will be all used up the first year. If only a portion of the bone is converted into solube phosphate, and the story of the bone is converted into solube phosphate as compared on it, bones, it that you get a much greater effect in a given time. You apply it is a crop and get the whole effect (if a good article) the first year. And the crop, if cons, met or the firm will tank man is for the subsequent crops. In this sone, super-phosphate is a permanent manner. It is effect a will be desired in the subjected in the subjected

The reader will be interested in the subjoined statement, condensed from a paper in a recent scientific English periodical—"The imports of guano sinco 1840 have amounted to three and a quarter millions of tons, the imports of cubic nitre, which averaged 10 000 to 14 000 tons per annum up to 18.8, have since varied from 25,000 to 40,000 tons per annum. The imports of boxes at cells above increased from 20,000 to 70 000 er 80,000 tons annually. All these are valuable manufung sub tances. From 75,600 to 80,000 tons of Suffer and Cambridgeshive contest, and 15,600 to 20,000 tons of sombtero phosphate, are also uggl in the super-phosphate manufacture, which is probably exceeds in worth £1,000,000 per annum.

MIDGE AND MANURE.

That veteran fatner, John Johnston, in a letter to the editor of the Genese Farmer, makes some interesting and suggestive statements about the effect of manure on the whost crop in counters ting the ravages of the midge. He has been trying an experiment the present season, the result of which speaks volumes in favour of a better system of farming. He applied anature of its liberally on part of his wheat; another portion received a lighter dressing, while one acre was left without mining at all Now for the result. The straw on the whole was abundant, rather too rank on the lest manured part, but the midge has done comparatively little damage on this portion, a great deal more damage on that less manured, and far more on that not manured at the excelled are these:—"That heaviest manured stood the winter best, came earlier forward in spring, and came in car earlier. That manured less was a week later, and the one acre without "lie adds, "I can have Soule, wheat early enough it only had plenty of manure of the Genese Farmer remarks on the above experiment:—"This is is just what I have always contended. If we could sufficiently canch our land with such manure, not rotted straw, and if it was well defined and cultivated and sown at the right season, we should have no reason to appreaen I much damage from the malage."

We hope our readers will make a note of this. "Yang of them can testify as the prevalence of indige upon itsufficiently manured land, let the art to the other portions of the experiment, and see how the wheat fares on glound thoroughly manured and deeply tilled. We are quite aware of the difficulty that the art of the other portions of the farmer could advantageously used a great deal more than they can make. John Johnston in the above extract. It is us what he could do the only had plenty of manure, and in the same letter he says he has contracted for eight tone of on each to far the manure it makes. Manure is scarce. Our best farmers could advantageously used a great deal more than they can make. John

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