preparation, the Mangel seed was sown, and speedily vegetated. There were but few weeds to hoe, for the salt had attacked the principal vitality in the seed of the annual, as it lay secreted in the clod, as well as that of the Couch Grass. and the mangels grew to be a finer crop than ever before flourished upon the same plot of land. The foliage was thoroughly vigorous, and the bulbs were remarkably well matured and sound. The weight per acre reached 25 tuns, when before the maximum had been 20 tuns—by the aid of several loads of dung and an immense amount of labour.

"The following year, upon a field of the same character, I tried the same experiment, varying the course of management in some degree. applied, in October, 12 cwt. of salt, upon the upturned and weedy surface of that land destined for the root crop, and allowed it there to lie and do its silent work as before, until, in February, the soil was dry enough to allow of being worked. As in the first instance, the result perfectly justified the means. Together with the frosts of winter, the salt had performed wonders in breaking down the stubborn clods and comp ess-ed, livery furrow slices. The soil was reduced to powder, and the weeds were gene ally dead, so that the Mangel, which was planted in a finely pulverised seed bed, had nothing to do but to grow without the rivalry of weeds-neither shaded by them from the sun, nor robbed by them of the nourishment purposely stored for their use. I said, however, that I introduced some change into my practice this second time. The change was as follows, Just after the last furrow was, I sowed 4 cwt. more salt, which I harrowed in before the seed was dibbled. The result proved the wisdom of the addition, I have reason to think-for the weeds were even fewer, the foliage of the Mangel was finer, and the bulbs were larger than in the former case, where the application of salt was merely made in the autumn.

"It strikes me that our Mangels are freed also from another enemy by the use of salt. I mean insects. Slugs and wire worm, both very destructive during certain seasons, are certainly banished by sait, if not killed."—Rural New Yorker.

## On Economizing the Liquid Manure of Towns.

For a long time it has been know that if the liquid excrements of towns and cities could be collected and applied to the land, that the health of the people and the produce of the soil would be greatly improved. Considerable difficulty, however, of a pratical nature, continues to be experienced in this matter, and the benefits which science so clearly points out

have, as yet, been but very partially realize. This is not simply a question belonging to the denser populated countries of Europe, but it has a practical application and importance to all oullarger towns in Canada. In the following correspondence between Mr. Chapman of Notitive ham, and Walter Fyfe, the Agricultural Cherist, the realers will find much that is of an interesting and suggestive character.

MY DEAR FYFE.—Knowing that you not or ly take an interest in the advancement of agr culture as a science, but have considerable practical knowledge in relation thereto, I wis to have your opinion and advice on a matter which has engaged my attention for some fe months. Perhaps you are not aware that, sind you left this part of the country, we have erected number of public urinaries, which are used by very great number of people-one in particula near our post office, affords accommodation about 2,000 persons daily. Now the value human urine as a manure is universally admitte If my memory serves me, Liebig (no mean aut ority) considers it to be the richest and mostva' able of all liquid manures. He states that ! pound of human urine is sufficient manure for pound of wheat." Then why should such ra able manure be wasted? At the single urins I have named there is daily wasted an amount manure that would, if collected and distribut on the land, produce 1,000 pounds of whe But the mere loss of this valuable material is the only evil; for it passes into the sewers, the to our streams, rendering them disgustingly of sive, and will if the evil be not checked, a mately deprive us of our fresh water fish. are sending to the other hemisphere for the sands of tons of guano annually, the chief m of which, as a manure, is its ammoniacal sa But need we continue to incur this great or I reply, no! empathatically, no! When we fleet that, at one public urinary alone, in town of Nottingham, there is worse than was every day the manure that would produce l, pounds of wheat, what quantity of this value material must there be lost amongst a poption of nearly 100,000 people? If the unne the United Kingdom were to be economized, a we send to the other hemisphere for guano? shall endeavour to get some enterprising fam. in our neighbourhood to assist me in my sche which I shall lay before the town councils: as I have obtained sufficient evidence to m out a good case. Can you give me any idea suggestions? My scheme is very simple: It is merely to construct large tanks in con. tion with all public urinaries, with a valve to closed during the daily process of cleans, which valve will shut out the water, and " the tank is full, pump out the liquid, and in diately put it on the land or compost hesp should advise that the tanks be so large.