briously to require it in order to give the proctive capabilities of the soil fair scope. hat we propose drawing attention to at present the much greater cheapness with which drainre operations can now be effected, in comparim with a few years back, in consequence of the really reduced price at which tiles can be obined. Mr. Win. Gibbs, of Yorkville, is now repared to furnish pipe tiles of the very best escription, at his yard, Yorkville, at the foloning rates: 2 inch tiles, \$5 per 1000, each le 13 inches in length; 3 inch, \$10 per 1000; 4 ch, \$15; 5 inch, \$30; 6 inch, \$50. The 14 while will be furnished at \$41 per 1000. The ngth of all the sizes is the same, 13 inches. t is to be understood that these prices are trictly for cash on delivery. The rates are not ore than half what the same description of les were sold at in this country two or three as ago, and we believe are quite as low as legare now sold at in England, where labor is so ach cheaper, and drainage operations have een reduced by skill and experience to the west possible cost. Mr. Gibbs has from one to to hundred thousand tiles on hand, and is preared to manufacture as many as may be required tthe above rates, which we believe afford him aly a very slight remuneration for the labor nd material employed. There are other manuacturers in various parts of the country, who we sume will soon be able to furnish tiles at corsponding prices, but farmers who at present are nable to obtain them nearer home, if living near ny of the railroads, can obtain them from Toronto t no very great cost of carriage. All strong clay nds, whether they appear naturally wet or dry, m benefitted by thorough drainage, as are all nds, heavy or light, containing springs, or subject poverflow of water, and in fact lands of almost very description, except the light and loamy pils upon naturally dry sandy or gravelly subols. The winter season, while the sleighing is ood, is as favorable a time as could be selected a drawing home tiles to be laid in when field perations commence.

On Breeding.

Editors Canadian Agriculturist.

Having noticed in the Agriculturist of Dec. st, an article over the signature of W. A. C., a the principles of breeding, I consider the stere laid down all very good, (except stell th), and I presume few, with this excepton, would be found to differ from them. The bjections, which I shall attempt to urge are

against the spirit of the article, which in my humble opinion is calculated to make a wrong impression, though not so intended, and it is the more dangerous, containing as it does, so much that is really good, while at the same time it would discourage experiments, the very root of all improvement.

Your correspondent is a little inconsistent in his reasoning, when, in his introductory remarks he says, "We cannot believe we have penetrated beyond the nere threshold of this art," and in the next sentence recommends for a guide "the most successful practice of modern times until further discoveries enable us to add to or modify such as already known." How I would like to ask are those discoveries to which he alludes to be made, if not by experiments in crossing breeds-the only means by which all improvement in the art of breeding has or ever can be effected-surely not by standing still. If W. A. C.'s principles had always been acted upon where would we be in the art of breeding, and where some of our most valuable breeds? And if so much has already been accomplished, what may we expect from the future? Who would be willing to say that new breeds may not be established in Canada equally, if not better adapted to the general wants of the country, than any which we now have? It is not to be expected that new breeds can be established without much care and pains, but enterprise: and perseverence might accomplish much.

I have been highly interested in reading the remarks of W. C. Spooner on cross-breeding, containing much valuable information, and which I trust may be the means of inducing experiments that will result in improvements in the art of breeding.

Having commenced crossing the French Merino with the Leicester, I am encouraged to. continue, and feel satisfied that they can be made profitable for more than slaughter, although Mr. Spooner alludes to the unsuccessful attempt in England to cross the Merinos and: the Southdowns. But where carcass is evidently the chief object, nothing else could have been expected. In connection with this question I would beg to notice your remarks on S. King's letter in the Agriculturist, Dec. 16th, when giving the opinion of Mauufacturers and not his own. You say, "Few who have studied the theory and art of breeding would concur with him," and dispose of his question by referring him to the letter of W. A. C., which I presume embodied the views of the Board in their decision not to allow a prize on the cross referred to. As I was the exhibiter, and consequently an interested party, allow me to ask one or two questions. As rule 11th is all that has any bearing on that point:--lst. What facts are there adduced to prove his statements? 2nd. If those are the views on which the Board decided "that no cross of distinct breeds should