principles of land drainage and its effects better understood, by the majority of our farmers, greater exertions would be made by them, to put their farms in a better position, in regard to this most important work in connexion with agriculture.

It is now ab ut 16 years since the first drain tiles were made in this part of the country; they were made by hand at the Bowmanville pottery, and were used by John Smart, Esq., on his fam at Port Darlington, and after a fair trial, he found them to be the best, although not the chape-t material for that purpose at that time. And although he had previously drained with cedar to a considerable extent, still by taking into account the difference in the durability, he ad pted the tiles in preference to the cedar, and continued to use them for a number of years, u til he changed the nature of his farm from that of a wet cold clay, which he could never begin to labour in spring until it was almost too late to sow, and in consequence of which the crops were very often justed and almost worthless, to that of a rich mellow clay, which can scarcely be equaled in this section of the country for producing any kind of crops. in regard to the cedar drains which I have stated Mr. Smart had constructed fifteen or twenty years ago, they now cave more or less every year, and will soon be useless altogether

I am aware that some persons will scarcely think it possible, but it is nevertheless true, that I have examined the drains and found the cedar in many places completely decayed, by what is termed dry rot, not by wet rot, as it would be almost natural to suppose, and in many places nothing now remains to uphold the soi, and the drains are frequently being broken through even by an mals passing over them. So much then for cedar drains.

The next gentleman who commenced drain ing operations after Mr. Smart was the Hon. S. Simpson, a gentleman of high standing and of considerable energy and ability, who have ing become possessed of a nicely situated farm in the vicinity of Bowmanville, determined to make it second to none in this country, either as to its general appearance, or capability of producing crops. But finding many portions of it cold and wet, in consequence of which it would not produce good crops, he determined to commence draining; and in order to obtain drain tiles at a cheaper rate, than they could be made for, by hand, he was the means of importing the first mat f r making tiles into this part of the cousince which, he has spared no means ne sary to put his farm (comparatively speak into a good state of cultivation in regadrainage. Mathew Joness, E-q., another minent agricu'turist in this section, has done much to improve his farm in this reg

There are many others whom I mention who have not hesitate I to foll good example in regard to this important w But suffice it, to say, that through the eple of those gen lemen whom I have men ed, many have been induced to improve farms by what is termed partial drainage.

The gentlemen mentioned were at that considered high farmers, and it was supp by many, that they had more money than knew how to make a good use of, and the was, as it were, throwing money away, v suppositi n however has proved erroneou even by the small amount of draining have done, compared with that which it w yet pay them to construct, they have e lished the fact, not only in the rown m but also in the minds of many farmers a them, that it will pay to drain, and th land drained partially, the farmer can mence operations a week earlier in spring on undrained soils. This is of itselfay advantage when we consider the shortne our seasons, even were crops on drained not more sure than on undrained land, of u there is not the least doubt, and that the duce is frequently from five to ten bushel acre mo e in consequence of even p These facts, as I have all draining. stated, have been established in the min many, but I cannot say in that of a maj of our farmers, many of whom, although sessed of means to enable them to drain because they cannot see that the money out in that way would yield them in equal to what they are very frequ promised for the use of their spare f will not even give it a trial. Many fa also I, have no doubt, are ignorant of the that a great change takes place in the after it is cleared of stumps, and that chemical properties formerly existing t vegetable matter become exhausted. 1 is a well established fact, that the sol comes more retentive in its nature and more compact, consequently it requires ** care and attention, both as regards no ment, drainage, subsoiling and many