hasten on to the close of the subject, in the made to drain away the wet, which is apt to do discussion of which the difficulty lies more in great damage to corn." There is, indeed, scarcely what I shall leave unsaid, than in that which I an end to the writings of the Romans upon agri-

science.

Amongst many of our farmers, both Canadian prove that there is no science in all this? and old country, the theory and practice of agriultimate are still studiously kept in opposition to those who argue that modern agriculture is not so
each other, and form, when thus understood, a very far ahead of the ancient system as many
sort of "vexed question," which will at times would make us believe. "There is nothing new unprofitable contention.

there was no science in agriculture until Davy and other modern chemists wrote. Although we have no account of the theory of agriculture as an art, and indeed as formerly practised, and other modern chemists wrote. Although we have no account of the theory of agriculture as an art, and indeed as formerly practised, and agriculture as a science, and as now placed before the world, consists in having, by the aid of having been taught by the early eastern nations, yet a steady advance in the art is clearly discernible in the Old Testament, whose records abound enabled to bring the laws of nature under subwith descriptions and accounts of "flocks" and jection to our will, and adapting them at pleasure "herds," cattle, sheep, and even their diseases to the useful ourposes of life. Of this the ancients with descriptions and accounts of "flocks" and jection to our will, and adapting them at pleasure "herds," cattle, sheep, and even their diseases, as well as "sheep-folds," "stalls fo, all manner of beasts," and the manner in which then provender was prepared. That they were acquainted with the arts of the dairy is also manifest. "Surebut hotter." And Samuel speaks of the "Cheese of kine." Their chief productions of grain were, wheat, barley, beans, lenti's and rye. We have no reason in fact to doubt that they were skilful husbandmen. They ploughed and sowed much the same as we do at this day. They had hoes and mattocks. "On all hill sides," says the prophet," that shall be digged with the mattock there shall not come thither the fear of briers and thorns." In Egypt they irrigated their lands, When their corn was ripe it was cut with the sickle or scythe, bound into "sheaves," threshed, a little practice, and a fig for the visions of theory. fanned and ground into flour.

that he thought deeply upon the subject is evident practice in general to undervalue theory. from his writings. "No man," he says, "can be It is not yet sixty years since a Scottis recommends "fallowing" and "frequent ploughrecommends "fallowing" and "frequent ploughing." Xenophon also recommends green plants
to be ploughed in, and even crops to be raised for
the purpose; for "such," he says, "enrich the
soil as much as dung." He also recommends
earth that has been long under water to be put
upon land to enrich it, upon scientific principles.
He says the stubble should be left long, and burned upon the land. Homer enforces the necessity

But this is not the place to moralise. I must of "water courses and ditches," that they may be culture. And it is really curious to notice how One part of the subject, however, and which their system two thousand years ago, goes nearly perhaps after all is the most important, is the on all lours with ours at this day; so much so, in-mode and manner in which our profession can be deed, that one is almost brought to doubt whether most effectually assisted by the application of much improvement in agriculture as an art has taken place. Now will any one undertake to

excite in their several advocates unseemly and under the sun," says Solomon; and this remark holds as good at this day as it did three thousand I am not my self one of those who believe that years ago. The principal difference in agricul-When their corn was ripe it was cut with the rable. Give me, says the common thinker, only Science, however, is, without any doubt, the great The Greeks, too, it is evident, improved upon source of instruction for practice; and it would be the art to a very considerable extent. Xenophon, just as reasonable for the man who lights the gas who lived some hundreds of years before the lamps in our streets, to laugh at the German philochristian era, wrote largely upon agriculture, and sopher who discovered the use of gas, as it is for

It is not yet sixty years since a Scottish noblea farmer until he is taught by experience; obser- man gave the first hints as to the application of vation and instruction may do much, but practice chemical science to agriculture. It is not forty teaches many particulars which no master would years since these hints were enlarged upon and ever have thought to remark upon." "Before we enforced by Sir Humphrey Davy; and even to this commence the cultivation of the soil," he obser- day, import nt as agriculture is to all men, most ves, "we should notice what crops flourish best rural operators proceed upon practice alone, and upon it; and we may even learn from the weeds are totally ignorant of many methods suggested by it produces what crops it will best support." He scientific men, of cultivating the ground in a much