equals yearly the sum of some hundreds America, there were scores of fields We now come of thousands of pounds. to a more interesting, and at the same time intricate as well as important branch of the science of wheat-growing, viz:-

... We have long entertained the opinion, that in a great majority of cases, rust might nearly, if not altogether, be prevented; this opinion has not been hastily formed, but has become more deeply established in ratio with our increased Every observing person of decomposed vegetable matter. It is to produce straw than wheat. now generally supposed that rust is occa- The skilful cultivator will avoid, if copposite character. No one scarcely reserve such for spring wheat. extent. The weather has a powerful confident that our readers are not preinfluence in promoting or allaying this pared to agree with the deductions, we direful foe to the wheat grower's but, have made. At another time we may on the other hand, the cultivator has have greater confidence in going more nearly as much.

would instance the fact, that in the year the present, however, we shall conclude

the province in chess and smut alone, 1839, the year of general rust in North which escaped, although being immediately in the vicinity of some fields which were totally destroyed; and the present season, which will be long noted for the absence of the disease, there can be found in almost every section of the country, some fields or patches so seriously injured, that they have not paid the expense of harvesting. The soils which produced wheat free from rust in 1839, was either a calcareous clay, limestone-gravel, stiff sandy loam, or all of must have noticed that rust is less fro the other description of soils which are quent on some soils than others—those noted for their comparative barrenness which most usually escape, being deno- in vegetable matter; and those upon minated lean soils, and those which most which the wheat crop have failed the promoted the disease, of the opposite present year, are of a deep rich vegeta-quality, or such as contain a large share ble quality, which are better calculated

sioned by the overflowing or bursting of possible, making his land so rich that his the sap-vessels, produced by too luxuriant wheat-plants will be in danger of becoma growth of the plant. Some attribute ing surfeited with vegetable food,—the it to other causes, but this appears to us means of doing this will be found in mathe most feasible. Some seasons encou- nuring the land for the crops which will rage the disease more than others; for precede or follow the wheat crop, and by instance, the summer of 1839 was so well deep ploughing and liming or marling calculated to produce a pretty general the land for this crop in all cases where rusty crope of wheat, that a person act the soil is deficient in calcareous subquainted with its cause and operations stance. Much of the land in Canada is could have foretold the result some too rich for fall wheat, and on all soils months before the calamity happened, that would be likely to produce a great The present season has been one of the bulk of straw, it would be advisable to calculated on rust the present harvest, a certain degree of delicacy in extending and few have suffered to any considerable our remarks upon rust, because we are into the details of this highly interesting, As proof of this bold assertion, we and to some most intricate subject; for