the land from the effects of a former. In another certainly be the best, by means of which it in insects, those which feed on one plant not being ter the land has become completely impoverished. able to exist on another, and they therefore dismost important, and if this be true, namely, that and fossil or mineral manures, which serve rather each kind of crop requires chiefly for its support to decompose some substances, and modify the a particular portion of the soil, and another a effects of others, than to contribute of themselven different portion, then the soil will grow to the to the supply of vegetable matter and support of best advantage, and be least injured by that kind vegetation. of crop for which it contains, in the greatest quantities, the proper nutriment; still this por- rendered serviceable as manure, it is necessary not be repeated until the soil has had time to be- to evaporate, it should therefore be placed some come in a manner reformed by the addition of little depth below the surface of the soil, for if decomposed animal or vegetable matter, so as left for a length of time unburied, it loses greatly repeated was supported.\*

to the consideration of manures.

and require renovating. Some soils will bear ed it is constantly losing its value. cropping for many years without being sensibly fit state for culture. If the soil were originally roots of plants it causes them more readily to ab-

respect, rotation of crops is useful in destroying kept so. It is too late to begin good farming af-

Manures may be divided into two classes: appear for want of nourishment for the larve .- first, animal and vegetable matter, such as farm-The principle first mentioned, however, is the yard dung, which is composed of both these;

Before vegetable and animal matter can be tion of the soil will become exhausted, and it 15 that putrefaction should take place. To accomfound necessary to have recourse to a crop which plish this, the substance must be sufficiently exwill be fed by other ingredients. And as a ne- posed to receive the action of the air, but not so cessary, consequence the same crop should as to allow too great a quantity of the moisture to renew the substance whence the crop to be by evaporation without enriching the soil. The most hungry soil is capable of being enriched by Keeping up the rotation will of course not be the mixture with it of the putrefying substances sufficient to prevent exhaustion of the soil; it and by the gases which these substances emit in must be assisted by fresh material, -and this leads, the process of decay. The covering of earth promotes decay and absorbs these gases, causing It is well known that animal and vegetable them to contribute to vegetation, while, if expossubstances subjected to the process of decay, form ed to the air and heat, the enriching juices of the food for the growth of plants; in other words, manure are wasted, and only that part of the soil the process of vegetation goes to consume the benefitted on which the heap rests. Manure animal and vegetable matter existing in the soil. (we are now speaking more particularly of farm-The best soils by repeated cropping become to a yard manure) should be ploughed in as soon after degree exhausted of this nutritious substance, it is laid on the field as possible, for while expos-

Salt, in its various forms, is an useful manure. impoverished; but by allowing them to remain possessing qualities favorable to vegetable as well too long without the assistance of artificial fertil- as to animal life; it renders the so. I more fertile, izing, they become so reduced as to require a and cleanses it as well as the seed grain from great length of time to bring them again into a noxious unfirmities; and by its action on the ever so fertile, that course of husbandry must sorb the nutriment from the soil. The fertility of land near the sea coast is known to be much nure.

> Of earths the most important assistant to the soft is lime, principally from its power of decomposing

<sup>\*</sup> To discover what each crop actually requires, so as to render the land again capable of bearing enhanced by the vapour of the sea, hence one it, by adding the substance, has as yet proved be-cause of the fertility of the soil of Great Britain, you the power of the learned. Even Johnston and a strong argument in favor of manufing in says, "if we knew exactly what to add to each intend situations such as this Province; for not their." Fir i detailed account of the approved rothers. Fir i detailed account of the approved rothers and soil is learned to the sail vapor, the want taking on the learned the sail vapor, the want tations on c'y, loam, and sand, the reader is refermay in some measure be supplied by the portions red to "Jackson's Agriculture." It will be at of saline matter contained in the farm-yard maonce seen how far they are applicable to the cli-mate, soil, and price of labour in this province. In the main it is submitted they might be beneficially adopted.