of pulverized vegetable matter.

into the earthy principles of rocks, and produce, at of all characters; and these have afterwards been aplength, the effect mentioned above; but its power is plied by man to his own use. wonderfully increased, whilst passing from its liquid state, to that of ice.

As soon as the surface of a rock is furrowed, and the mosses and lichens have fastened themselves upon it, all the plants which require but little nourishment, contradictory accounts have appeared in your paper, take root and decay there in turn; and the product of respecting the comparative value of roots as food for each successive decomposition adds something to the stock; and while every other kind has been applaud-

soil is produced, fit for cultivation.

soils which were too stiff have been improved by a except the potato, is more used in my family than the suitable admixture of other earths; all the soils have parsnip; we soldom boil a dinner without it, from October in turn manured by the remains of plants, or the tober to June. And where the soil suits, no root is collections of the baru-yard; and man has learned by more easily raised, or gives a better yield; have raised experience what kind of culture, and what species of at the rate of a thousand bushels an acre.

As parsnips have generally commanded a pretty the materials, man disposes of them in such a manner good price and a ready sale, I have considered them too as to cause them to produce according to his necessi-valuable to field to stock; but having raised about a ties, or his tastes.

which are those best suited to agriculture?

which all arable lands were originally but the ruins; certain their worth, the inventive faculties of my im-

is generally formed by the aggregation, more or less forty bushels of carrots for me hat winter. By reference, most commonly, feldspar, quartz, and mica. These elements of granita also commonly, feldspar, quartz, and mica. These elements of granite, also, separately form rocks, in the same condition, and would calve about the in which only two of them are combined, as in micace- same time she did last spring, I thought it would be a ous schist, which is composed of quartz and mica, dis- fair way to make the trial.

The composition of the various stones which con- days of her calving. This winter, I commenced teedstitute granite, is widely different; quartz is almost ing at the same time, but being convinced that the
entirely formed of siliceous carth; feldspar of silex,
lamina, lime, potash, and the exide of iron; mica contains besides these, magnesia. So that when granite
is decomposed, it produces those lands which, upon
concluded she was farrow, until she showed signs that
analysis, afford all these principles; whilst the washlong from the quartz mountains form only beds of
double what it was on carrots. The commenced teedtains besides these, magnesia. So that when granite
concluded she was farrow, until she showed signs that
could not be mistaken. The milk has been nearly
double what it was on carrots. The cow has now
siliceous earth; and the ruins of rocks of micaccous

organized bodies, are ranged by naturalists amongst fed and milk d her both winters, and the other keep-

All the lands which are produced by the destruction of primitive rocks are of the first formation, and ought to be so designated to distinguish them from are worth more for milch cows than carrots, and after

which I am now about to speak.

the greater part of the arable lands, there are others to which some lands owe their origin. The succes- become unfit for culinary purposes. sive destructions which the whole surface of the globe appears to have suffered; the decomposition of pyritous ment of the parsnip, the most difficult part is to pre-beds, which appear to have covered a part of it; the serve the roots after they are dug. After trying numerous lakes which have disappeared by the hand various methods, have decided that the best is to wash of man, or by the accidental rapture of their natural the dirt from the roots as soon as they are dug, before

and by their decay they afford light successive layers confines; the eruptions of volcanoes; the overflowings of the sea; the bony remains of animals, and the decay Water, by its own action, will penetrate by degrees of vegetables buried in the ground, have formed soils

## PARSNIPS FOR STOCK.

Mr. Editor,-Within a few years, various and slight bed of earth formed by the first, till in time a ed, very little has been said of the parsnip. For the last twenty years I have been a constant cultivator of The great stones which injured the harvests upon this valuable root in a small way, raising from five to alluvial soils, have been removed by blasting. The one hundred bushels a year. No winter vegetable,

hundred bushels last season, and finding that I should But in what does the difference of soils consist? and have more than would supply my customers, concluding are those best suited to agriculture? | ed to feed out the surplus. Having had but little ex-In examining the nature and variety of the rocks, of perience in feeding parsnips, and being desirous toasand which, notwithstanding all the labor of man, pre-serve their primitive characters, we shall find the fol-lowing varieties.

agination were put in requisition to hit on a method that would show their relative value with some other kind of roots. This, I thought required the aid of Amongst rocks of the first formation, or, as they are chemistry, but being ignorant of the science, conclud-

posed in beds, sometimes curvilinear; quartz forms by itself, nearly without mixture, some of the primitive fair mess of milk was obtained; quite as much as I mountains.

The composition of the various stones which condays of her calving. This winter, I commenced feedsiliceous earth; and the ruins of rocks of microcous passed the time that she dried last winter, and conschist contain only the elements of feldspar and microcous rinues to give six pounds of milk a day. I want her to dry 30 days before calving, but think she will not do of lime, without any appearance of the remains of it without stopping her feed. The same person has primitive rocks, and give rise to the formation of cal-carcous soils. As to her flesh, there is no carcous soils. ter on carrots.

This experiment has convinced me that parsnips those which owe their existence to other causes, of two months' feeding, have discovered no unpleasant taste in the milk. Parsnips that are dug in the spring, Independently of those causes which I have just after the tops start, or if permitted to grow in the explained, and which have produced the formation of cellar and become strong, in either case will affect the milk: this I once ascertained by feeding some that had

In all my experience in the cultivation and manage-