ATES.

Every field on the farm should be entered by a good self-shutting and self-fastening gate. A proper inclination in hanging will secure the former requisite, and a good latch, properly constructed, the latter. Each field should be numbered, and the number painted on the gate-post. Let the farmer who has bars instead of gates, make a trial of their comparative convenience. by taking them out and replacing them without stopping, as often as he does in one year on his farm, say about six hundred times, and he cannot fail to be satisfied which is the cheapest for use.

BUILDINGS.

These should be as near the centre of the farm as other considerations will admit. the hay, grain, and straw, being conveyed from the fields to the barn, and most of it back again in manure, the distance of drawing should be as short as possible. This will, also, save much travelling of men and of cattle, to and from the different parts of the farm. The buildings should not, however, be too remote from the public road; and a good, dry, healthy, spot should be chosen. The dwelling should be comfortable but not large-or it should, rather, be adapted to the extent of the lands. A large, costly house, with small farm and other buildings, is a bad indication of management. censure of the old Roman should be avoided, who, having a small piece of land, built his house so large that he had less occasion to plough than to sweep.

The barn and out buildings should be of ample extent. The barn should have space for hay, grain, and straw. It is a matter of great convenience to have the straw for littering stables, housed, and close at hand, and not out of doors, under a foot of snow. There should be plenty of stables and sheds for all domestic This provision will not only save one third of the fodder, but stock will thrive much better. Cows will give much more milkwill yield more and better wool-and all will pass through the winter more safely. wood-house near, or attached to the dwelling, should never be forgotten, so long as comfort in building fires, and economy in the use of fuel, are of any importance.

A small, cheap, moveable horse-power should belong to every establishment, to be used in churning, sawing wood, driving washing machine, turning grindstone, cutting straw, and slicing roots.

There should be a large root ceilar under the barn, into which the cart may be dumped from the outside. One great objection to the culture of ruta-bagas and beets, in this country—the difficulty of winter-keeping—would then vanish.

Both barn and house cellars should be well coated on the bottom and sides, with water-lime

mortar; which is a very cheap and effectual way to exclude both water and rats.

CHOICE OF IMPLEMENTS.

Of those which are much used, the very best only should be procured. This will be attended with a gain every way. The work will be easier done and it will be better done. A labourer who, by the use of a good hoe for one month, can do one quarter more each day, saves, in the whole time, an entire week's labour.

CHOICE OF ANIMALS.

The best of all kinds should be selected, even if costing something more than others. Not "fancy" animals, but those good for use and profit. Cows should be productive of milk, and of a form adapted for beef; oxen, hardy, and fast-working; sheep, kept fine by never selling the best; swine, not the largest merely, but those fattening best on least food. A Berkshire, at 200 pounds, fattened on ten bushels corn, is better than a "land pike" of 300 fattened on lifty bushels.

Having now taken some notice of the necessary items for commencing farming, it remains to glance a little at

SOILS AND THEIR MANAGEMENT.

Soils are of various kinds, as heavy and light, wet and dry, fertile and sterile. They all require different management, in a greater or less degree.

Heavy soils are often stronger and more productive than light; but they require more labor for pulverization and tillage. They cannot be ploughed when very wet, nor so well when very dry. Although containing greater or less portions of clay, they may be distinguished, as a class, from lighter soils, by the cloddy surface the fields present after ploughing in dry weather; by their eracking in drouth; and by their adhesiveness after rains.

Sandy and gravelly loams, also contain clay, but in smaller quantity; so that they do not present the cloddiness and adhesiveness of heavy soils. Though possessing generally less strength than clay soils, they are far more easily tilled, and may be worked without difficulty in wet weather; they do not crack or bake in drouths. Indian corn, ruta-bagas, and some other crops, succeed best upon them. Sandy soils are very easily tilled, but are generally not strong enough. When made rich, they are fine for some succulent crops.

Pcaty soils are generally light and free, containing large quantities of decayed vegetable matter. They are made by draining low and swampy grounds. They are fine for Indian corn, broom corn, barley, potatoes, and turnips. They are great absorbers, and great radiators of heat; hence they become warm in sunshine, and cold on clear nights. For this reason they are peculiarly liable to frosts. Crops planted.