not from the centre of it.

wasted.

and passing on all such as is sufficiently beans and barley, or soaked Indian corn. the teeth. But the modern and scientific should consist of a variety, and not, as is too the use of muscular power causes a loss of more liberally given, and especially cabbage, his profit which is derived from the fat of in conjunction with other food; but as the the animal; and hence, with the aid of the period of parturition approaches, and especipulper, and every other possible mechanical ally immediately after parturition, to guard mal, presents the food to the stomach in the cooling. I know some who invariably give most finely comminuted state, and he finds an ounce of Epsom salts in the liquid food to his advantage in it.

As against this it may be said in Canada, that labour is so dear as to prevent all such for milk-making must be contained in the mechanical aid being profitably used. In reply, food. Cottagers are often successful with it should be urged that to those who do their their sows, where they have a chance of own labour, either solely or within their own | roaming in lanes and coming home to receive families, it cannot make much difference | a little meal, boiled potatoes, pot liquor, whether the attendant looks on while the vegetables, &c. In cold weather, warmth animal prepares his food, or himself attends | and shelter are essential. Never allow a pig to the preparation of it. Most farmers now have horse powers; and a pulper, whether holes in the floor and lie in them, for cold home made or purchased, can easily be attached to the horse power, and the work is heaves or lung complaint. then done without personal labour. At all, when taken from the mother, should have events, the end of all personal labour is profit, pollard, a little meal, and a variety of food and if more profit can be made with palpers than without, no doubt the pulpers will find their way into the hands of the farmer.

VECTIS.

## Pig Breeding and Feeding.

The same rule applies to pigs as to other farm animals-choose a good breed, especially in the male parent. Where there is a ing, they will not weigh so well, or cat so great natural tendency to fatten, follow the well, as those fattened on pea and barley advice of the late Mr. Fisher Hobbs, who meal, with or without milk. I was very said, when selling a breeding sow, "Let her successful in fattening pigs or large hogs in work hard for a living; don't feed her boun- hot weather by placing them on sparred tifully, or she will get fat and have no pigs, floors, with a pit under them. There is a or very few." but remember that the kind of food you give, if placed on soft barley-straw, there is no her is a most important consideration. The circulation of air under them; therefore stiff feetus cannot be properly formed unless the reedy wheat-straw is much to be preferred. materials are of the right sort, for there must. They get fever in hot weather, unless there be the elements of bone, muscle, and fat- is circulation of air around them, and plenty

does animal food; and consequently if the avoid the fatal mistake of giving to the sow food is presented in a state other than the a large quantity of roots before parturition. finest pulp, the stomach does not extract the The same mistake is often made with sheep whole of the nourishment-it only takes and cows. If a sow is allowed to range at what there is on the surface of the lump, and large, she does well, having access to pasture, because in a good pasture we have a As with boiled roots, so with raw ones, great variety of plants, possessing various every particle of the food that passes through and valuable qualities-aromatic. condimenthe animal in the shape of a lump is lost and tal, and others, generally available to the juvenile formation and development, which In ruminants, such as the ox, the loss is the natural instinct of the animal teaches her not so great as with the horse and pig. The to select. This may be supplemented by ruminant chews and swallows his food has- pollard, bran, a little meal, boiled potatoes, tily, and when it is softened it is again and a few Swedes or white turnips, but very brought to the mouth, and re-chewed and few mangolds, especially when fresh and swallowed; the stomach each time accepting succulent. A moderate supply of peas, finely divided to pass its exit orifice easily, may be added; also tares, clover, and green and rejecting and returning to the mouth in beans with the pods on. Cabbage is very the shape of "cud" all those portions which safe food. Nothing comes amiss to a sow. are not so finely divided, to be re-crushed by . The great point is to take care that the food farmer has ascertained that all this is at often the case, confined to one sort, especially tended with a loss of muscular power, and roots. After parturition roots may be much contrivance, he lessens the labour of the ani- against fever, the diet should be sparing and the sow after parturition. After recovering from the excitement, the necessary materials to bury itself in stable manure, or make will strike the heated side and give him Young pigs, but especially skimmed milk with fine pollard or middlings; as they grow older, peas, soaked Indian corn, &c. A few roots and green food are always acceptable. For fattening pigs nothing beats one-third pea-meal and two-thirds barley-meal, if mixed with skimmed milk so much the better. Pigs may be fattened very rapidly by steamed roots mixed with meal or boiled potatoes. the food given warm. Although bulky look-There was wisdom in this; natural tendency in pigs to huddle together;

an immense advantage in this respect. urine all passes through and away, and they lie clean, cool, and dry, with air circulating around them. Pigs naturally deposit their solid excrement in a corner, away from their bed. When barley was 18s 6d per qr. I fattened about 400 pigs, and was always very successful in avoiding disease; they were all placed on sparred floors. In hot weather we showered occasionally upon them from the jet about SO gallons of water per minute. After the first alarm they enjoyed it. Their skin became as clean as the back of one's hand, and they fed and prospered most satisfactorily. It pays to give a pig when he first comes from market a good scrubbing with soap and water. In winter it is necessary to put some straw upon the sparred floor, or to enclose the place so as to keep it warm, providing sufficient ventilation. Pigs pay (in manure) as well or better than most animals, but the meat market will not carry a heavy supply, for, unlike beef or mutton, it is easily over-supplied. October and the cool months are best for town markets. Fat pigs in the country sell well at, and immediately after harvest, also at hoeing time. Pigs, like other farm animals, should always have access to water, also to a lump of rock salt. Bear in mind that pigs have no wool. and if well bred very little hair, therefore they require warmth, if you desire to economise food and produce fat. As sows are very apt to overlie their young, this is easily prevented by a ledge or board, of about 8 inches wide, projecting from the wall of the piggery, 6 to 7 inches from the floor. The little pigs are safe from pressure under this J. J. MECHI. ledge.

## Basement Stables.

Formerly it was the custom to place barns but little above the level of the ground, with the stables in one side or end, provided with small slide windows of wood for throwing out the manure, which lay under the caves exposed to the deteriorating effects of the elements. Farmers who build at present seek to elevate the barn so as to allow of a basement or 'cellar,' as it should often be called, and many old barns are raised so as to provide a basement storey, which is in many cases formed in part by excavations from a hill-side, with cellar walls on one or more sides backed up with

These basements, when properly constructed, are of great value for some purposes, but few of them can be converted into suitable stables for cattle.

When one side is walled up with stone supported with earth on the outside, there is a constant moisture on the walls which communicates dampness to the atmosphere. In winter, when the nights are long, and the power of the sun is feeble. the effect of such walls on the air is extreme, and when more the latter alone is of little use; therefore, of water. The latticed or sparred floors have than one side is furnished with stone walls the