caves-water from the farm-yard. Having formed the pit as above, cart into it good black moss soil, or other suitable absorbent, laying it across the top of the pit so as to catch, and to be well saturated by, the liquid as it flows from the tile mouth. In a week or so, when the first layer of soil has been well saturated, throw it down towards the bottom of the pit, and lay more I cat soil on the spot from whence it was removed, continuing the practice at spare times, as the moss soil becomes well saturated with the liquid. By following this system throughout the autumn and winter, a very large quantity of excellent manure may be obtained at little trouble or expense; for when the pit is once full of soil, well mixed and saturated, it can be carted out and spread upon the land, or banked up for spring use, so that two or three pitfuls may be obtained in one season.'

RICH SOIL FOR MEYDOWS .- MARTIN BURR, of Des Moines, Iowa, writes to the Maine Farmer: "I am an old man of seventy-eight years; sixty-seven of that time I have lived in the State of Maine, in Mercer, on Sandy River, myself a humble farmer. During the last fifty years, or more, a month or so before haying, I seldom failed to hear the cry from my brother farmers, 'if we do not have rain soon, we shall fail of a crop of grass.' This is almost the universel cry, not realizing that all men who say so, thereby virtually admit that they are incompetent and poor farmers. I have endeavoured for many years to impress upon the farmers of my acquaintance the fact, that no spring drought, or early lack of rain, ever cuts short a full crop of grass, when the soil is rich; and no farmer should be content with an average crop of less than two tons to the acre, and all the fields that will not yield that amount should be turned into pasture. Never feed mowing fields, either fall or spring; cut the grass early, and when the crop falls below two tons to the acre, curich the soil by top-dressing, turning over with the plough, or turning it to pasture, and every farmer so doing to them in blood. It therefore becomes may in reaso his stock of cattle, from a quar- evident, that unless the animal's food is of blood is naturally free from any only matter, ter to a third, in from three to five years, such a character as to supply the nutriment and, consequently, the roots of the wool can-may raise double the crops of corn and grain required, its growth must cease. On the not get their supply; neither can the skin on the farm. All this may be achieved, smi-other hand, a liberal supply of proper matter maintain its soft and greasy condition. A ply by culti-sting, not moving, any more land promotes a rapid growth, and gives it a liberal supply of good food is therefore an interval and gives it a liberal supply of good food is therefore an interval and gives it a liberal supply of good food is therefore an interval and gives it a liberal supply of good food is therefore an interval and gives it a liberal supply of good food is therefore an interval and gives it a liberal supply of good food is therefore an interval and gives it a liberal supply of good food is therefore an interval and grain and gr than i-made ich. In the outskirts of the strength of texture considerably greater than essential for the production of the best quality little village in the t was of my former home is obtained from inferior food, whilst its soft-, of wool. The influence of food does not end in Maine for cighteen years, and those years | ness is fully preserved. during the Southern Rebellion, I cut hay FOOD PROMOTIVE OF THE GROWTH OF WOOL, as important as the quality. Any period of from half an a re of land annually, sufficient The food required for promoting the growth short supplies or of inferior food leaves a to pay for the breat for myself and wife, and of wool differs but little from that usually clear record in the fibre of the wool, prooccasional visitors and help, the ground given under any liberal system of feeding. ducing a harsher and weaker structure, which averaging not less than there tons to the The special requirement is a supply of is readily distinguished from the growth process, with a casinally at the directions of massalphur, which it usually secures from such duced when the animal is well fed. These nure, ashes or pla-ter. The above is written green crops and corn as clover, vetches, beans, portions are of necessity less able to stand to impress on the Farme's of Maine, the fact peas, lentils, &c. The influence which these the strain of manufacturing processes, and that they, and they only, are to blame for have on wool has been frequently observed, the value of the wool is decreased. Large the failure of their hay crops, and if they and we have in this fact an explanation of quantities of wool are thus injured by a will not learn to do better, they should cross much of the softness of texture which is then a short supply of food, which would have been their grumbling.

Stock Department.

Wool.

The following article appears in a recent issue of the Mark Lane Express :-

The winter and early spring months have which is worthy of a passing notice. This is a season of the year when there is a great liability to injury, which proper attention can easily prevent. The growth of wool is probably more entirely under control than any other part of the body, and gives more permanent indication of any influences which operate upon it. Its mode of growth and its source of nourishment are so completely under the system of management adopted, that we can with care improve its quality, and regulate its general character.

HOW WOOL MAKES ITS GROWTH.

The manner in which wool makes its growth is exceedingly simple. We find beneath the skin a series of small cells, from one of which each fibre of wool emanates. It may be compared •) a minute onion, with its rising stalk. and from which it may extract the materials required for building up its frame-work. This nutriment is secured by the small cells, by which the wool is rooted beneath the skin, which absorb all that the wool requires from will tend to show how the nourishment of wool is so much under our control. If the blood does not contain the materials required for the wool, it is simply impossible for any growth to be secured. The cells cannot absorb the necessary supplies if not presented

produced. Wool appears to require other materially increased in value if some ad-

materials for growth, but only such as are necessary for the production of flesh and fat, We shall therefore be perfectly safe in promoting the growth of wool-so far as food is concerned-if, in addition to our ordinary supplies of food, we give the animal some variety of the leguminous crops already named. We have already noticed that the an influence upon the quality of the fleece, wool has to penetrate the skin in its outward growth. The condition of the skin has for this reason a most important influence upon the character of the wool. It acts as a sort of gauge, regulating the size of the fibre. Any circumstances which enlarge this gauge produce an opening for the growth of coarser wool, and the opposite result is secured by any agency which decreases the size of these apertures, thereby producing a finer fibre. It is essential to the character of a good wool that there should be an evenness of staple. Irregularities in the size of the fibre are always undesirable, causing weaker portions, which do not withstand equal tension, and, consequently, decreasing the general strength of this wool for manufacturing purposes. This arises from the influence of the skin in contracting, or expanding the pores, and This fibre of wool, after commencing its out- usually originates in great change of temperward growth, has to penetrate through the ature. Excessive heat naturally opens the pores of the skin; it then becomes visible to pores, and favours the production of coarse the eye, and by its extended growth clothes wool; any great severity of cold contracts the animal with a covering, varying in char- the pores and makes the wool small in the acter according to circumstances of its growth. Inbre. It is therefore clear that, to secure an Like every other organic structure, it needs even growth of wool, we must shield the suitable autriment, upon which it may feed, animals from extremes, both of heat and cold, and, as far as may be practicable, moderate by shelter their respective influences. The value of wool is also materially influenced by the softness of the skin, and this is in its turn very much a consequence of a sufficient supply the blood circulating beneath them. This of good food. It has been very generally noticed that, when the growth of wool is rapid, and of a healthy character, there is not only an abundance of yolk in the wool, giving it a soft or greasy feel, but the skin has much the same condition. This is never found upon sheep which are badly fed, and in poor condition. Under such circumstances the , here, for a regularity in the supply is almost