

AGRICULTURAL. Fertilizing by Feeding Stock.

A recent work treating of agricultural matters, suggest feeding stock as one method of restoring a farm to a good condition. Thousands of farmers, it says, in Pennsylvania, New Jersey, New York and Ohio, and even further west, where the land is not as rich as it once was, and where farmers are learning the value of manure and the advantage of good farming, practice a regular system of feeding animals to feed their land, they make hay, grow corn, roots, rye, wheat, potatoes, and make butter; sell the grain, potatoes and butter, and feed hay, corn fodder, roots and straw, and even purchase feeding stuffs, and buy lean stock in the early fall to consume all these. The cattle or sheep are turned on the stubbles and pastures as long as there is good feeding. They are then fed during the winter on dry feed, and as they become fat and fit for market are turned off, so that by the spring they are all disposed of. A steer weighing 1,200 lbs. and costing \$10, is thus made to weigh 1,600 lbs. and sells for \$80, or even more; because there is not only the increased weight made for the profit, but the increased value of a fat animal from a thin and unsaleable one. The feed is thus disposed of at a good price, and there is a profit beside to pay for the labor. In addition, there is a large quantity of manure, which is worth much more than common barnyard manure because of the high feeding of the cattle. In a similar way the owner of the poor land may buy cattle, and all the fodder and grain, and feed them, and make an equal profit as the farmers above mentioned; because they charge the animals with the feed at market price. There is then the manure left to go upon the land and increase the next year's crop, which makes less purchased food necessary. As the land improves, and the crops increase in yield, the profits of the business are larger. In a few years it will be unnecessary to buy fodder, and the income from the farm will then be more satisfactory, because the expenses will be lessened.

Horse Feeding in Winter.

The horse needs more care during the winter than in the summer. He should be rubbed dry whenever coming in from a drive or a day's work, that he may not have to remain in the stable with his hair wet and matted either with perspiration or with the rain or snow, to which he may have been exposed, and his legs, and especially the fetlock joints, thoroughly cleaned, and all snow or mud removed from the feet. He should never be fed dusty or mouldy hay, nor damaged grain, and it will be better if all hay be slightly wet before it is fed. Have regular hours for feeding and give about the same quantity at each feeding. The practice of keeping the rack or manger full all the time, or of throwing in a forkful of hay every time the stable is entered, is wasteful as well as injurious to the horse.

Oats are as cheap as hay at present prices, so that it is better to sell hay and buy oats than to keep without grain and give all the hay the horses will eat. Oats are also better than corn, or corn meal, for a horse that is not worked all the time, as they are not so heating. A few roots each day serve an excellent purpose in keeping the stomach and bowels in good condition, and carrots or turnips are the best for this purpose, some horsemen preferring one and some the other. Probably turnips are best for growing colts which are not worked, as they contain more of the phosphate or bone manures.

Color of Beef Cattle.

A Western journal claims that many breeders and feeders claim that their white or roan Shorthorns feed better than the reds, but is glad to note that breeders are ignoring color in breeding for beef. It adds that roan is the Shorthorn trademark, and will again be the popular color. The Jerseys, since they have ignored the color craze, have made great progress on their more practical points of butter records. The white Hirkleyvinton prize steer was a better handler and better feeder than any red or black steer at the fat stock show.

Pure Water for Cows.

Some one sensibly observes that you might as well drink the water from a filthy barnyard as to allow a cow to drink, and then use her milk. Whatever impurities may be in the water are taken up by the system of the cow and are given off in her milk, and pass off into the system of the human consumer. Owners of cows should be very careful to allow them only pure water to drink, and it is just as important that their food be pure and wholesome also. It is a matter in which cleanliness is next to godliness.

Feeding Pea Meal.

It is said that while pea meal is a great butter-producing food, it is very dangerous to feed it in large quantities. It is much worse even than finely ground corn meal for forming into balls in the stomach, repelling the gastric juice, and thus creating inflammation of the stomach. The safest way to feed it to mix it well with plenty of oil meal, new process.

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Errata. There is an omission in the advertisement of Dr. J. H. McLean's Thoracic Lung Balm in not giving the address of Mrs. R. S. Fischrucken, who lives at Neave, Ky., where she practices medicine. She claims it is the best Throat and Lung medicine ever used. Dec 16th

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