

FARM NOTES.

—When you are breeding fleeces for mutton, do not think too much of the fleece.

—To make these animals pay, keep the best obtainable, and give them the best care possible.

—When we consider the capital invested, the poultry on the farm is a pretty good dividend payer.

—Mutton specialists cannot afford to sacrifice the quality of their product for a few pounds of wool.

—When you find the mutton sheep best adapted to your needs, breed that kind, regardless of the wool question.

—Sheep must have plenty of exercise, or they will run down at a rapid rate. They must be kept strong in their legs.

—If a larger proportion of our farms were stocked with improved sheep, the hired-help problem would be solved at once.

—One man can grow a large flock of sheep, and grow enough food to winter them in good condition, with very little labor.

—No animal deteriorates so rapidly from neglect, or shows so marked an improvement for good, as a well-bred sheep.

—When buying sheep, go in for those that are close-wooled. If the wool comes clear up to the eyes, much the better, for wool is one of the things we are after.

—The appetite of the sheep is something that needs watching. Feed only the amount they will eat at a time. Over-feeding is no advantage to them, and is of course, a loss to the feeder.

—It should be managed to build the flock up a little every year. This can be done by saving out the choicest lambs, by buying now and then a good herd for the flock, and by the very best feeding and care possible.

—One trouble with the sheep business in this country is that it has not been made enough of a business. It has been played with, so to speak, and putting the real effort into things which seemed to us "more important."

—While the potatoes are in full bloom, showing which vines are strong, vigorous and most likely to propagate a sturdy plant next season, stick small boards beside these choicest hills, and dig them separately for seed this fall.

—Calves that are fit for veal should be marketed early, as the price is then higher than it is a few weeks later, and this, with the feed saved by early marketing, insures considerable more profits than to hold the calves till they are larger.

—If the lawn is weedy and the grass does not seem to make a good growth apply nitrate of soda at the rate of 150 to 200 pounds per acre. Scatter broadcast just before a rain or before watering. Nitrate of soda may be used on spinach and other leaf crops to advantage.

—Sheep have many good points to recommend them as farm animals of proof: They are prolific, the manure is very rich and evenly distributed over the soil surface, and the wool and flesh will always command a good price in the market, not to mention other favorable qualities.

—Watch the currants and the gooseberries for the currant worm. As soon as it appears use Paris green and lime to give it a greenish tinge. Dust over the plant while wet. If the worms appear near fruiting time pick the fruit and then apply the poison, as it will otherwise disfigure the fruit.

—The development of lactic acid, or the souring of cream, does not increase the butter-fat content. As a rule, when cream becomes sour it is more difficult to test than when it is sweet. The difficulty in obtaining an accurate test of sour milk or cream lies in the fact that it is not easy to obtain an accurate sample.

—Silos should be located where they will be convenient to feed from. This is of great importance. When stock is kept in basement barns the silo should be on a level with the stable floor or lower. Caution should be observed in locating the silo away from the milking room, as the milk will become tainted if exposed to a strong odor of ensilage at milking time.

—A horse will eat oats from a heap. We cannot feed plants and trees that are dead wrong to pile manure up to the body of a tree, although the bulk of the manure is not lost, as the plant foods will be soaked out by rains and finally find their way into the soil and to the roots of the trees. The better way is to let the trees and plants while on pasture—over the whole ground.

—Foreign experiments indicate that earth-worms do not appear to have any marked direct effect on the production of plant food. Organic matter seems to decompose with formation of nitrates equally quickly whether they are present or not. They are rich in nitrogen, containing about 1.5 to 2 per cent., and they decompose rapidly and completely; thus they furnish a certain amount of plant food in the soil when they die. Their chief work is to act as cultivators, loosening and mulching the soil, facilitating aeration and drainage by their burrows.

—The future of the mutton crop depends upon the attention given the young lambs, and the degree of which they are kept growing from the start. It pays to feed sheep grain on pasture. A little feed regularly goes a long way to make them profitable. The extra growth of wool will pay alone.

After the lambs have been taken away from the ewes, they need good pasture. It is a good plan, too, to leave a few gentle ewes with them to help them get wonted to their new surroundings. Separate the pastures in which you keep the ewes and the weaned lambs so far apart that they will not hear each other call.

There is no better general feed than good green grass for growing and producing farm animals. Whenever you discover a sheep limping along, catch him and examine his feet for rot.

A CITY IN THE SEA.

Ruins of an Ancient Town on the Bed of the Adriatic.

Near Rovigo, on the peninsula of Istria, in the Adriatic sea, the ruins of a large town are said to exist at the bottom of the sea. It had been observed for some years that fishermen's nets were sometimes entangled in what appeared to be masses of masonry, of which fragments were brought up from the sea bed, says the Pall Mall Gazette. A diver declared that he had seen walls and streets below the water.

The city authorities decided to investigate. They sent down a diver, who, at the depth of 851 feet, found himself surrounded on the bottom of the sea by the ruined walls, undoubtedly the work of man. Continuing his explorations, he traced the line of walls and was able to distinguish how the streets were laid out. He did not see any doors or window openings, for they were hidden by masses of seaweed and incrustations. He traced the masonry for a distance of 100 feet, where he had to stop, as his diving cord did not permit him to go farther.

Some people think that they identify this lost town with the island mentioned by Pliny the elder under the name of Clissa, near Istria. This island cannot be found now, and it is thought the submerged town may have been a settlement on the island that so mysteriously disappeared.

LIGHT REFLECTION.

The Reason Why Foam Always Appears White in Color.

When water or liquid of any color is violently agitated small bubbles of air are mixed up with it, and thus foam is formed, and its whiteness is due to the fact that when light passes from one medium to another of a different refractive index it is always reflected, and this reflection may be so often repeated as to render the mixture impervious to light.

It is, then, this frequency of the reflections of the limiting surfaces of air and water that renders foam opaque, and as each particle reflects light in all directions so much light is reflected that the mixture appears white.

To a similar cause is due the whiteness of transparent bodies when crushed to powder. The separate particles transmit light freely, but the reflections at their surfaces are so numerous that the resulting effect is white. Thus glass when crushed is a white powder and is opaque, but when it is put under water it once more becomes transparent, because the water fills up the interstices between the particles and the reflections are destroyed. Salt and snow are also common examples of this condition.

How Roots Penetrate Hard Ground.

The extreme tips of a delicate root are protected by a sheath set with minute scales, which as it is worn away by friction against the soil is constantly replaced, so that it acts as a wedge and the root thread is carried down uninjured. Another aid to penetration lies in the provision whereby the root as it pushes downward in search of nourishment exercises a slightly spiral, screwlike motion which worms its tip into the ground. Another important agent is the acid cell sap, which exudes on to and dissolves to some extent the rock or hard soil. This may be tested by placing a small piece of polished marble in a pot in which a plant is set and covering it with earth. After some weeks the marble will be found to have been corroded by the continuous action of this acid.

Why the Spider Was There.

When Mark Twain in his early days was editor of a Missouri paper a superstitious subscriber wrote to him saying that he had found a spider in his paper and asking him whether that was a sign of good luck or bad. The humorist wrote him this answer and printed it: "Old subscriber—Finding a spider in your paper was neither good luck nor bad luck for you. The spider was merely looking over our paper to see which merchant is not advertising, so that he can go to that store, spin his web across the door and lead a life of undisturbed peace ever afterward."

Nursery Wincows.

If the nursery window is not protected by outside bars hammer a large screw or nail into the groove of the lower sash, so that the window cannot be raised more than six inches. If the top sash is drawn down this is quite enough for ventilation, and, no matter how ingenious or venturesome the little ones may be, they cannot wriggle through the lower opening.—Philadelphia Press.

Maybe Mary Was Too Sedate.

Mrs. Nured—Mary, for dinner I think we'll have boiled mutton with caper sauce. Are there any capers in the house? Mary—No, ma'am. Mrs. Nured—Then go out in the garden and cut some.—Harvard Lampoon.

Putting in a Sting.

Maud—Jack is telling around that you are worth your weight in gold. Ethel—The foolish boy. Who is he telling it to? Maud—His creditors.—Denver Times.

How He Escaped.

"What do you think. A fellow stole a drum from the orchestra yesterday." "Did he get off?" "Yes, saw a cop coming and beat it."—Exchange.

Let us be kind if we wish to be regretted.—Pierre Loti.

Announcements.

The following are the prices charged for announcements in this column: Sheriff \$8.00, Probationary \$2.00, Treasurer \$8.00, Register \$6.00, Recorder \$6.00. All other offices \$5.00. Announcement will not be made for any candidate unwilling to pledge himself to abide by the decision of the Democratic voters as expressed at the primaries.

**SHERIFF.** We are authorized to announce that D. J. Gingrich, of Huston township, will be a candidate for County Sheriff, subject to the decision of the Democratic voters of the county as expressed at the primaries to be held Saturday, Sept. 30, 1911.

**TREASURER.** We are authorized to announce that John D. Miller, of Walker township, will be a candidate for County Treasurer, subject to the decision of the Democratic voters of the county at the general primaries to be held Saturday, Sept. 30, 1911.

**PROTHONOTARY.** We are authorized to announce that D. R. Foreman, of Centre county, subject to the decision of the Democratic voters of the county as expressed at the general primaries to be held Saturday, Sept. 30, 1911.

**FOR DISTRICT ATTORNEY.** We are requested to announce that D. Paul Portney, of Bellefonte, will be a candidate for District Attorney, subject to the decision of the Democratic voters of the county, as expressed at the general primaries to be held Saturday, Sept. 30, 1911.

**REGISTER.** We are requested to announce that J. Frank Castoria, will be a candidate for County Register, subject to the decision of the Democratic voters of the county at the primaries to be held Saturday, Sept. 30, 1911.

**AUDITOR.** We are authorized to announce that Jeremiah Brungart, of Centre county, subject to the decision of the Democratic voters of the county as expressed at the primaries, Saturday, September 30th, 1911.

**COMMISSIONER.** We are authorized to announce that John R. Lemen, of Ferguson township, will be a candidate for County Commissioner, subject to the decision of the Democratic voters of the county, as expressed at the primaries to be held Saturday, Sept. 30th, 1911.

**COMMISSIONER.** We are requested to announce that John L. Dunlap, will be a candidate for County Commissioner, subject to the decision of the Democratic voters of the county, as expressed at the primaries to be held Saturday, Sept. 30th, 1911.

**COMMISSIONER.** We are authorized to announce that Captain W. H. Fry, of Ferguson township, will be a candidate for County Commissioner, subject to the decision of the Democratic voters of the county, as expressed at the primaries to be held Saturday, Sept. 30th, 1911.

**COMMISSIONER.** We are authorized to announce that John H. Runkle, of Potter township, as a candidate for County Commissioner, subject to the decision of the Democratic voters of the county, as expressed at the primaries to be held Saturday, Sept. 30th, 1911.

**COMMISSIONER.** We are requested to announce that William H. Noll Jr., of Spring township, will be a candidate for County Commissioner, subject to the decision of the Democratic voters of the county, as expressed at the primaries to be held Saturday, Sept. 30th, 1911.

**COMMISSIONER.** We are requested to announce that William A. Stover, of Penn township, will be a candidate for County Commissioner, subject to the decision of the Democratic voters of the county, as expressed at the primaries to be held Saturday, Sept. 30th, 1911.

**COMMISSIONER.** We are authorized to announce D. A. Grove, of Ferguson township, will be a candidate for County Commissioner, subject to the decision of the Democratic voters of the county, as expressed at the primaries to be held Saturday, Sept. 30th, 1911.

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College township, as a candidate for County Commissioner, subject to the decision of the Democratic voters of the county as shown at the primaries Sept. 30th, 1911.

**RECORDER.** I hereby announce myself as a candidate for Recorder, subject to the decision of the Democratic voters at the primaries to be held Sept. 30th, 1911. EDWARD C. MCKINLEY, of Boggs township.

**RECORDER.** We are authorized to announce that W. Francis Speer, of Bellefonte, is a candidate for the nomination for Recorder by the Democratic party, subject to the primaries on Sept. 30th, 1911.

**RECORDER.** We are authorized to announce that D. A. Dietrich, of Walker township, will be a candidate for Recorder of Centre county, subject to the decision of the Democratic voters of the county, as expressed at the general primaries to be held Saturday, Sept. 30th, 1911.

**REGISTER.** We are requested to announce that J. Frank Castoria, will be a candidate for County Register, subject to the decision of the Democratic voters of the county at the primaries to be held Saturday, Sept. 30, 1911.

Castoria.

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W. S. GLENN, M. D., Physician and Surgeon, State College, Centre county, Pa. Office at his residence. 35-41

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