Cattle, Sheep and Swine. BREEDING AND FEEDING.

The greater the variety of food for The greater the variety of 1000 for pigs the better. Dairy by-products are excellent and lessen the danger of digestive troubles. Roots are nearly always available on nearly every farm and form an excellent regulator. But hops in pastures are nearly always free discretive troubles. digestive troubles.

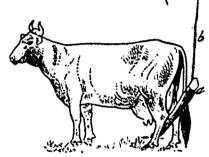
The great cause of rheumatism is dampness, and many pigs become affected with it at this season of the year. Damp sleeping places or damp walls are extremely injurious to hogs.

Don't forget to plant a few peas for the pigs this spring, an acre in your meadow or among some stumps in the grain fields; they will get a good start for fall fattening.—[O. D. Valentine,

Mich.
To kill lice on cattle, boil potatoes with skin on, remove potatoes from the water, let it cool and rub the stock over bolled potato skin solution. [a. J. Mallory.

CURE FOR KICKERS.

To keep a cov. from kicking while milking, the her in the stall. Tie a rope to a joist and the other end to one end of a rail. The left leg should be in



AN ANTI-KICKING DEVICE.

front of the rail as illustrated. If she tries to kick, she only strikes the rail end-and will not be likely to try it many times.—[S. Dole, Marion Co, Ill...

THE ANGORA GOAT.

The native home of these goats is in Turkey in Asia Minor. They are highly prized, not alone for their fleece, but also as food. Their fleece when clean is of glittering, snowy whiteness. The is of fattering, snowy writeness. The fleece varies in length from 7 to 14 in. The threads are comparable in fineness to silk and they are very strong. Hence garments much of Angora wool have a great deal of wear in them. The average weight of a fleece is about 5 lbs. We had one male that sheared as high 812 lbs. Angoray require a leafer range. as 12 lbs. Angoras require a large range in order to thrive. They are great as 12 lbs. Angoras require a large range in order to thrive. They are great browsers and will do well on shrubs, weeds, etc, that sheep would starve to death on. They are difficult to confine, as they climb readily and will also crawl through a very small hole. They are not so well adapted to defend themselves from dogs as they are generally recommended to be. We have not had a wide experience with sheep, but we judge that Angoras may be twice as well adapted to fight off be twice as well adapted to fight off

dogs.

The dams are indifferent mothers, laving their kids for many hours at a time. If a kid is dropped in cold weather and not cared for by the her? man it is liable to die. Angoras suffer greath from foot rot, especially when running on wet lands. They are also liable to scours. They have no oil in their fleece and hence must be sheltered in wet weather. As to their efficiency in keeping down sprout on recently cleared land, would say that our foreman properly that a flock of 100 goats accomplished as much as a force of six men.

elevation the man who expects to make a fortune out of goats will probably be disappointed. They require a great deal more attention than most accounts that we have seen would lead one to that we have seen would lead one to believe. In this particular section of the country there is a great deal of moisture in the air. We should think that these goats would do better at a greater elevation above sea level where the air is drier. Our elevation is about

The first goats brought into this country years ago sold for \$1000 apiece. It is very difficult to get pure blooded stock. In the native home of these goats we understand there is nothing like the attention paid to preserving the purity of breed which we should here regard as indispensable. Even in the last few years very wholes specimens of regard as indispensable. Even in the last few years very choice specimens of these goats, home bred, have sold for as high as \$100 apiece. Choice imported ones would no doubt command very much higher sums. The prices which a few years ago ruled in this part of the country were from \$20 to 30 a head.

[Miller & Sibley, Pa.

The Liver Fluke of sheep is found in nearly all of the humid climates throughout the civilized world. It apas an epizootic some scasons, pears as an epizootic some seasons, usually following prolonged rain. Treatment is very unsatisfactory; in fact it is very doubtful if any medicine will dislodge them without causing serious injury to the sheep. If there are only a small number of fluke in the liver, the animal will suffer but little inconvenience from them, but if they are in sufficient numbers to interfere with the normal functions of the liver it becomes serious. Like most of the animal parasites, they usually find a more suitable host in the young than in old animals, hence young sheep usually pay a heavier tribute to them than adults. If possible, keep the sheep away from all swampy pastures, or what is better, underdrain such pastures if practicable, and your troubles from fluke will disappear. Keep the flock in good vigorous condition by supplementing the pasture in the fall and winter with a slight grain ration.—[Prof James Withycombe, Ore Exper Sta. usually following prolonged rain. Treat-Withycombe, Ore Exper Sta.

Persian Sheep I have found hardy and good mutton makers. Have sold all my surplus rams at \$40 to 50 each. A grade flock made a net profit of 50 per cent during five successive years.

IC. P. Bailey, Cal.

The Piggery Building should have dry walls, dry beds, dry floors and in fact be dry throughout. Dampness is a great cause of unthrifty and rheumatic pigs, nearly as bad as injudicious feeding. Pens should be well ventilated and admit the sun freely. The central feed passage with pens on each side is open to grave objections, because the pens on one side of the passage at least will receive little or no sun. A building facing the south, with all the pens on the south side and the feed passage on the north, is preferable. No windows are needed on the north side, but there should be a double supply on the south.

Rye Straw is good bedding for stock and that is about all it is good for. Green tye is a very good winter feed and is considerably used in California. It can be cut green for stock and allowed afterward to make a seed crop. It should be sown about the time of the first rains at the rate of about 100 lbs p a.—[Prof E. J. Wickson, Cal Exper Sta.

The Third importation to the herd of Kirk B Armour was made early this month, consisting of 100 head from the most noted herds of England, including three from the queen's herd and ten from the herd of Admiral Britten.

Bloody Water is a disease which is not clearly understood. It shows itself on farming up common goats. Half bloods on farms where drainage is very poor or where the soil is of a peculiar formation, having a sweet, julcy, gamy taste. Their fleece after the fifth cross is indistinguishable from that of the lare bloods. The fleece of any goat varies in quality on different parts of the body, and it also varies with age, an old goat being not so well wooled as the young ones. We do not know whether our limited experience qualifies us to express any positive opinions or in 1 qt of water once daily or in 1 qt of water and given to the animal judge, though, that in this-latitude and Bloody Water is a disease which is

on pasture they should be taken from it. and placed on dry food and bran mashes.—[Prof S. B. Nelson, Wash and Exper Sta.

To Grow Good Crops the soil needs To Grow Good Crops the soil needs light, heat and meture, as well as fertility. With proper preparation before planting, these conditions are secured. The soil should be crushed, cut, lifted, pulverized, turned, acrated and leveled. All this can be done at one operation with the Acme harrow, advertised in another column.

A SURE LICE KILLER—One of the standard remedies for chicken lice is Lee's lice killer, made by the George H. Lee Co of Omaha, Neb, who have recently established an eastern of lice at 68 Murray street, N Y. This preparation is effective for killing all kinds of insects. Lee's new catalog, sent free to F & H readers on request, also tells all about Lee's liquid smoke for curing meats, Lee's gopher killer and hog cholera remedy.

A Few Days' Brew Of Deadly Uric Acid.

In a few days you may brew enough urle acid in your body to produce death. Your kidneys are your only salvation. Because when they are well, they fil-

Because when they are wen, they inter out this deadly poison.
So, when your kidneys are weak or out of order, you can understand how quickly your entire body is affected, and how every organ seems to fail to deter.

and how every organ seems to fail to do its duty.

Uti: acid poison irritates the nerves, and causes rheumatic pains in joints, muscles and limbs, catarrh of the bladder, headache, backache, stomach and liver trouble, shortness of breath, heart trouble, dizziness, nervousness, irritability, lassitude, loss of ambition, weakness and wasting away.

Red brick dust and similar s iments in the urine are also caused by various

in the urine are also caused by various salts of uric acid.

The cure for these troubles is Dr. Kilmer's Swamp-Root, the great kid-

ney remedy.

It instantly relieves the congested

It instantly relieves the congested, overworked kidneys, and gradually brings them back to health.

He lithy kidneys keep down the excess of uric acid, an. you soon feel the benefit in new health and strength.

Swamp-Root should at once be taken upon the least sign of ill health. It will make you well and is for sale the world over in bottles of two sizes and two prices, fifty-cent and one-dollar.

Swamp-Root is used in the leading hospitals; recommended by skillful physicians in their private practice; and is taken by doctors themselves who have kidney allments, because they recognize in it the greatest and most successful remedy for kidney and bladder troubles.

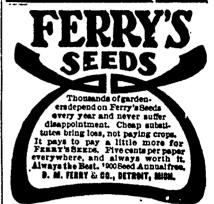
cessful remedy for kidney and bladder troubles.

To prove its wonderful efficacy, send your name and address to Dr. Kilmer & Co., Binghamton, N. Y., mentioning this paper, when you will receive, free of all charge, a sample bottle of Swamp-Root and a valuable book, by mail, prepaid. This book contains many of the thousands upon thousands of testimonial letters received from men and women letters received from men and women

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