

# FARMS AND FARMERS

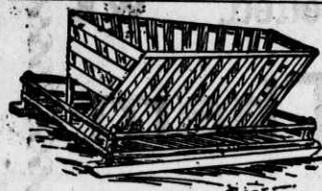


## Feeding Fodder.

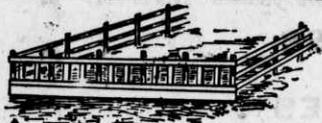
There are almost as many ways of feeding fodder to advantage as there are feeders. One very convenient method of making a feeding rack for fodder has been sent us by a subscriber that is constructed around the fence in such a way that the cattle can reach through between some strong poles to obtain the fodder. The remainder of the rack is made of common one-inch lumber. A rack of this kind will prevent waste, is easily filled from the



outside of the fence and the stock cannot get in or break the rack if it is properly constructed. A more elaborate rack is shown in this illustration, which consists of an ordinary hay rack around which has been constructed a guard made of strong poles. The fodder is put in the inside rack where the stock can reach it and the outside rack prevents waste by catching the pieces of fodder that are pulled out by the stock. A great many like this rack



very well. Another contributor sends us a very good rack as shown in the accompanying illustration. This correspondent has fenced in his fodder yard with an ordinary fence on two sides. The other side is made of two 2x6 pieces and a common board at the bottom. The cattle reach through between the cleats and eat the fodder from the ground as it is thrown within their reach. This place is kept pro-



vided with fodder all the time. The size of all these racks will depend on the amount of stock to be provided for.—Iowa Homestead.

## Apple-Tree Borers.

There are several borers of the apple tree—the flat-headed, which bores under the bark and sometimes in the wood; the round-headed, which bores into the tree, remaining in the larval state three years, and the twig borer, which enters just above the bud. Dig out the borers with a sharp knife or probe into the bores for them with a sharp-pointed wire. Scrub the trees and apply early in June and July whale oil soap (or soapsuds), with a little carbolic acid added. Burn all twigs attacked. The soapsuds keeps the moths off. The digging out of the round-headed and flat-headed borers must be done effectively. The borers are about an inch long. A sharp wire kills them in the tubes made by them.—New England Farmer.

## Cover for Sap Bucket.

During rainy and stormy weather in sugar season there is always a great deal of trouble from rain in the sap.

Some farmers have covers for their buckets which dispense with any devices which may be suggested. Among the many ways suggested the following proves to be very profitable. Take a piece of board or shingle about 14 inches long and one-fourth inch thick; round one end out to fit the roundness of the tree. This may be done with a knife or small saw. Then fasten a good stiff wire at the end rounded out for the tree with small staples or cleats. Bend the wire so that it will hold tight to the tree. This will afford adequate shelter.—Epitomist.

## Silage for Dairy Cows.

Answering a correspondent, Hoard's Dairyman says the amount of silage required by forty cows will depend upon the amount fed per day and the number of days it is to be fed. In this latitude (Wisconsin) the careful dairyman estimates for feeding 200 days at least and at the rate of not less than an average of thirty pounds per day to each animal. More and more also is he beginning to provide some extra for use during the summer drought and does not consider four tons per cow any too much for a year's supply.

## The Clover Crop.

A year ago pessimists were predicting the disappearance of clover as a profitable crop. A previous dry summer followed by a hard winter had practically killed old seedings and also those of 1901. Farmers, after spending a mint of money in clover seed that failed to result in a stand, had come to regard the great legume as permanently enrolled on the "has been" list. But this spring another tale is being told. King Clover is himself again. All over the land he is doing well. Hundreds of thousands of acres of clover hay will be cut this year where last season there was none. The area in clover in 1902 was unusually large. Much of the crop was ruined by a wet harvest season, but the catch of clover was all that could be desired. This summer there will be a large decrease in oat acreage, but a vast increase in clover. Thus even the disadvantages of a water-logged season have their offset. This year's crop of clover will have a feeding value not easily estimated, and its effect in restoring fertility will have a perceptible influence. It is a significant fact that alfalfa sown last year in the corn belt invariably made a good catch; mere proof positive that conditions under which clover will do well are admirably suited to its relative, alfalfa.—Live Stock World.

## Ventilation in Summer.

It is very important that good ventilation is provided for the fowls during the hot months, months when the sights are oppressively close. Fowls will crowd together, no matter where they roost, and unless they be given pure, fresh air disease of some kind will likely make its appearance. A house, inexpensive and comfortable, may be arranged so that the sides and ends are entirely open. It matters but little how open the house is during the hot months. What the fowls need most is a dry place, with plenty of fresh, pure air. An open shed does nicely for the summer months, but, of course, the fowls must be made comfortable before the chill winds of autumn begin to arrive.

One thing, though, that we should guard against is the common practice of allowing the fowls to roost in the tree tops. There is nothing more dangerous. They injure themselves by flying out, and often cannot be broken to go to the house until after they have contracted colds from the fall winds and rains. Keep them in the house, but arrange it so that they will have plenty of fresh air, yet not be subject to the many dangers of a roost on the fence or tree top.—Home and Farm.

## Farm Notes.

A prominent English poultry breeder will make a large display of Old English game fowls and Dorkings in the poultry exhibit at the World's Fair.

Ten acres of small fruits will often make a man more truly prosperous than ten times as much land in wheat or corn. He may not be worth as much in actual capital invested, but he will be getting a larger net income, and doing it with less severe toil. The small farm well tilled, whether it be in fruits, dairy, vegetables, etc., is almost always the most satisfactory. The principal capital needed to start such a farm is a level head and knowledge of the business.

Mildew is one of the greatest obstacles in the way of gooseberry growing in most parts of the country. A grower of experience has found that salt hay spread over the whole surface of the ground to the depth of three inches is a preventive. Common coarse hay or bog grass, soaked in brine, would possibly answer just as well. On account of the manner in which the salt absorbs water from the atmosphere, the mulching, and consequently the vines, are kept at an even temperature.

In an experiment made to determine the absorptive powers of milk there was inclosed in jars a portion of milk, and in different jars, but not in connection, different substances, giving off flavors. At the end of eight hours a portion of the milk was drawn from near the bottom of each jar, by means of a pipette, so as not to disturb any part of the milk. In every one of fifteen trials the milk had absorbed the flavor to such an extent that it had penetrated the very lowest stratum.

When the grass is allowed to produce seed it exhausts the soil more than when a crop of hay is cut before the seeds are permitted to appear. When seed heads form then the plant has fulfilled its mission and has stored in the seeds a larger proportion of the mineral elements than remains in the stalks of the plants, in many cases, as the green plants, when cut down early, consist largely of water. A grain crop and a crop of seed from grass deprive the soil of a proportion of all the fertilizing substances existing therein.

## LATE NEWS ITEMS.

A cure for lockjaw has been discovered by Dr. S. A. Mathews of the University of Chicago, and has been successfully used in treating George Newman, South Chicago.

The Reliance and Shamrock III. have been measured in the Erie basin by C. E. Mower, the official measurer of the New York Yacht club. As the result of his measurements and calculations it was announced tonight at the yacht club that the Reliance would flow the challenger one minute and 5 seconds over a 30 mile course.

The hottest day of the season was characterized by thunderstorms, which did thousands of dollars' worth of damage in San Bernardino, Cal., valley. The climax of three hot days was reached when the mercury marked 110.

Two little boys, sons of John Basin of Buffalo Hump, Idaho, who were lost in woods for three days and who lived during that time on salmon berries and the raw flesh of wild birds they caught, have been found by some of the large searching parties and have been returned to their home here little the worse for their experience.

The thermometer at Lewiston, Ida., recently registered 108 degrees, the hottest day of the year.

Dividends of \$20,000,000 have been paid by the mines of the Inland Empire, according to a careful article read by Bernard MacDonald, E. M., at a meeting of the Society of Engineers recently at Spokane. Mr. MacDonald, who was formerly manager of the Le Roi at Roseland, is one of the best known mining engineers in the northwest.

Henry L. Bidwell, the prominent and well known justice of the peace of Hope, Idaho, accidentally shot himself at Clark's Fork, Idaho while waiting for the passenger train to return to his home.

The kidnaping of a young white girl and the killing of one of a posse that tried to rescue her are the crimes charged against a party of eight negroes, fortified on Bruce's Island, 16 miles west of Fort Smith, Ark. The negroes are said to be well armed.

D. J. Tromley, who alleges that he is a private detective from Michigan, was recently taken from the Hillsboro, Ore., city jail by a crowd of 25 young men and treated to a liberal dose of tar and feathers. For some weeks Tromley has been stopping with a woman who resides near the courthouse, and has made himself very obnoxious to ladies who reside in the immediate vicinity.

The home of Rome Respass, owner of the race horse "Dick" "Welles," in Harlem, near Chicago, was entered recently by burglars, who secured \$4000 in cash and diamonds. The loss is about equally divided between Mr. Respass and Jockey Dominick, who lives with Respass.

The London Daily Mail's correspondent at St. Petersburg describes a sensational incident which occurred during the Kieff strikes. On one occasion, he says, when the troops were ordered by the governor to fire on the strikers, a young captain stepped in front of his company and forbade the troops to fire on "their poor starving brothers." The soldiers obeyed the counter order and the captain made a flaming revolutionary speech to his men. He was immediately arrested, tried by courtmartial and sentenced to death.

Massachusetts democrats may nominate General Miles for governor.

Eight women concerned in the smashing of a joint last week were arraigned in the Wichita, Kan., court. All pleaded guilty of assault and were fined \$10 each and costs.

Dwight, the 12 year old son of C. W. Taylor, a farmer living four miles northwest of Pullman, Wash., had a narrow escape from death and may yet die from his injuries. He went after the cows on horseback and his horse returning riderless search was instituted and he was found in the pasture with his skull frightfully crushed. Doctors were called and removed pieces of the skull, leaving a hole nearly two inches square in the skull. A piece of bone had been driven into the brain.

At a recent convention of the liberals of Grand Forks riding held at Grand Forks, B. C., Alderman Neill McCullum was unanimously chosen as the liberal candidate at the approaching provincial elections.

News from Victor, Col., says the miners' union officials announced that three general supply stores will be established at once by the union for the benefit of the striking miners of the Cripple Creek district.

The parade of the military, naval and civic bodies of San Francisco and state which took place recently furnished an imposing spectacle for the vast crowds of people at G. A. R. encampment.

A fierce forest fire which has been raging near Elk, Wash., for the past week has already completely destroyed about 1000 acres of the finest timber in this part of Spokane county. llyrs.tba(hoH-xNAnoarOFs2 82 82 82

Ten to 12 ships a day arrive in the port of New York.

## Lost Hair

"My hair came out by the handful, and the gray hairs began to creep in. I tried Ayer's Hair Vigor, and it stopped the hair from coming out and restored the color."—Mrs. M. D. Gray, No. Salem, Mass.

There's a pleasure in offering such a preparation as Ayer's Hair Vigor. It gives to all who use it such satisfaction. The hair becomes thicker, longer, softer, and more glossy. And you feel so secure in using such an old and reliable preparation.

\$1.00 a bottle. All druggists.

If your druggist cannot supply you, send us one dollar and we will express you a bottle. Be sure and give the name of your nearest express office. Address, J. C. AYER CO., Lowell, Mass.

## \$100.00 TYPEWRITER FREE

SHORTHAND A MINE. Free use of a hundred dollar standard typewriter furnished to students taking a course of stenography and typewriting at their own home. Students helped to good position. Write for plan. Western Stenographic Institute, Spokane, Wash.

## Kansas City By Boat.

Kansas City, Aug. 19.—Boats are again being used to transport persons between the two Kansas Cities, the James street and the Metropolitan street railway's bridge over the Kansas river having been carried out by the strong current. The river is higher than at any time since the June flood and other structures are in danger.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during teething period.

Piso's Cure is a remedy for coughs, colds and consumption. Try it. Price 25 cents, at druggists.

It has been said that a number of society men never pay anything but compliments.

FITS Permanently Cured. No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. Send for Free \$2 trial bottle and treatise. Dr. R. H. Kline, Ltd., 931 Arch St., Philadelphia, Pa.

A New York man claims to be a female reformer. He manufactures costumes for chorus girls.

## SAN FRANCISCO ILLUMINATED.

Brilliant Effect in Honor of the G. A. R.

San Francisco, Aug. 18.—The members of the G. A. R., who have been arriving by every train for the past week to attend their thirty-seventh annual national encampment, were treated to a genuine surprise tonight. As they came from the east and south they had noted the city was in gala attire. They had seen business buildings decorated in the national colors and had casually observed the wires strung across the principal streets. The twin gothic arches erected in the center of the business section of the city also came in for a share of appreciation. But this gave way to admiration as darkness fell and the electric current was turned on. Then, suddenly, as if by the call of a magician's wand, the city was transformed from its daily commercial aspect into a veritable palace of delight. The gothic arches spanning the principal avenues, elaborate in their decorations and crowned with flags, suddenly burst into bloom, each a marvel of color and artistic design. Possibly nothing finer has been seen in America; certainly nothing of equal beauty in this city.

## Deafness Cannot Be

by local applications, as they can not reach the diseased portion of the ear. There is only one way to cure deafness, and that is, constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian Tube. When this tube gets inflamed you have a rumbling sound or imperfect hearing, and when it entirely closes deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are caused by catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars for any case of Deafness (caused by catarrh) that can not be cured by Hall's Catarrh Cure. Send for circulars, free.

F. J. CHENEY & CO., Toledo, O.

Sold by Druggists, 75c.

Hall's Family Pills are the best.

If every girl who thinks she knows how to play the piano knew how to cook, the divorce lawyers would go into some other business.

## Bilious?

Dizzy? Headache? Pain back of your eyes? It's your liver! Use Ayer's Pills. Gently laxative; all vegetable. Sold for 60 years.

Want your moustache or beard a beautiful brown or rich black? Use BUCKINGHAM'S DYE. FIFTY CTS. OF DRUGGISTS OR R. F. HALL & CO., BARBUDA, N. H.

## ARE YOU LOSING WEIGHT

If so then your system is out of balance, and there is a flaw somewhere in your constitution, and a possibility that you are losing health, too. The falling off in weight may be slight, but it makes a wonderful change in one's looks and feelings, and unless the building up process is begun in time, vitality and strength are soon gone and health quickly follows. If you are losing weight there is a cause for it. Your blood is deteriorating and becoming too poor to properly nourish the body, and it must be purified and enriched before lost weight is regained. It requires something more than an ordinary tonic to build up a feeble constitution, for unless the poisons and germs that are lurking in the blood are destroyed, they will further impoverish the blood and weaken the system, and you continue to lose weight.

In S. S. S. will be found purifying and tonic properties combined. It not only builds up weak constitutions, but searches out and destroys germs and poisons of every description and cleanses the system of all impurities, thus laying the foundation for a healthy, steady increase in weight and future good health.

Food may be bountiful and the appetite good, but still the system weakens and we remain poor in flesh unless what we eat is properly digested and turned into rich, pure blood. S. S. S. re-inforces the Stomach and aids the digestion and assimilation of food, and there is a rapid up-building of health and strength. S. S. S. acts promptly and beneficially upon the nervous system, strengthens and tones it up, and relieves the strain by producing sound, refreshing sleep. You can find no tonic so invigorating as S. S. S., and being composed exclusively of roots and herbs its use is attended with no bad effects. Old people will find that it braces them up, improves the circulation of the blood, and stimulates all the bodily organs, and persons of delicate constitutions can take S. S. S. with safety, as it does not derange the Stomach like the strong mineral remedies, but acts gently and without any shock to the system. Those whose feelings tell them they are not strong or well, and who are growing thinner and falling below their usual weight, should take a course of S. S. S. and build up again. S. S. S. is recognized everywhere as the leading blood purifier and the safest and best of all tonics. We cheerfully furnish medical advice, without charge, to all who will write us.



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