

# FARM, DAIRY, and HOUSEHOLD.

## Humus and Fertility.

Experiments show that where the supply of humus is maintained the supply of plant food is also maintained. The Minnesota station found in the Kisson County experiment that after two years of a proper rotation in which the supply of organic matter was kept ample, or perhaps increased a little, that the amount of nitrogen slightly increased while the amount of phosphorus and potash remained practically the same. Then farmers know that when they keep the supply of humus ample in their soil they can always produce crops. I saw a field last week that has been farmed for seventy-seven years, and it produced eighty-five bushels of corn to the acre last year. For the past twenty years it has been rotated as follows: Corn, small grain, clover meadow two years, pasture two years and then the rotation repeated. The last year the ground was in pasture it received a coat of all the manure the farmer could gather around the lots. Twenty-five years ago this farm was considered worn out. It was called a clay farm and never produced more than thirty bushels to the acre. However, when the present owner took possession and followed the systematic rotation given above, the fertility began to increase, till it is the richest farm in Illinois. Not a particle of commercial fertilizer was applied in this way, but the productiveness of the soil was increased.

Let the reader look around him in his own neighborhood. There is a farm in every neighborhood that has been built up in this way, and what one farmer has done in every neighborhood can be done by every farmer in that neighborhood. The great need of the worn-out soil is humus; the great need of the soil whose productiveness has begun to slow signs of decreasing is humus; if the supply of humus is maintained, the fertility of the soil will also be maintained.

Grow more clover or alfalfa, rotate your pastures with your crops and apply all the manure that accumulates around the lots, and we believe that you will never be confronted with a worn-out farm.—W. G. Sherlock in the Nebraska Farmer.

## Tanning of Sheep Pelts.

We are in receipt of a request from a reader, says the Homestead, to tell how to tan a sheep pelt.

Sheepskins make fine robes when they are tanned in a proper manner. When the pelt is removed from the sheep it should be thoroughly salted in its flesh side and rolled up so care, so it will not become putrescent and give off a bad odor. When it is thought best to tan it should be unrolled and the surplus salt removed; then wash the pelt in a strong soap and make it as pliable as possible, after which all the surplus flesh should be removed so that nothing but the skin and the wool remain. It is thought that the old-fashioned lye soap is better for this purpose than any other. This may be a matter largely of opinion, however.

When washing the pelt it should be thoroughly worked by hand or rubbed up on a washboard. When thoroughly washed and all the water removed a preparation of equal parts of pulverized alum and borax should be well rubbed in on the flesh side. The alum acts as a stayer to hold the wool fibres from coming out and the borax helps in the tanning process. These substances will be more effective when dissolved in warm water and applied in liquid form. To prevent rigidity of the skin it should be thoroughly worked by hand until it is perfectly dry.

## Car Shortage and Transportation Congestion.

A great deal of discussion is being indulged in all over the country relative to the existing shortage of cars on all of the railroad lines and snippers' conventions are common things, the object being to call upon the various state legislatures and congress to do something towards bringing the railroad companies to time and relieve the situation. Whether these meetings will have the desired effect remains to be seen.

The prosperity of the United States during late years has been unprecedented and there has been an unusual demand for railroad rolling stock to transport the immense quantities of produce and manufactured articles that are a part of the country's trade during good times. Many of the railroads were unprepared for such a condition and rush orders to the locomotive works and car builders made matters no better.

To a certain extent there has been a paralysis in certain business lines. Many sawmills have been closed down or operated on half time, coal and other fuel have remained in the bunkers, much grain, hop, etc., are still piled in warehouses awaiting to be moved, and similar conditions prevail on other products.

The railroad companies impose demurrage penalties on all shippers who do not unload their cars within a certain time after delivery. This appears to be too much one-sided and the shippers are now clamoring for reciprocal demurrage laws and state railroad com-

missions which it is thought will help matters somewhat and cause the railroad companies to bring into service numerous cars that are said to be standing idle in freight yards.

This transportation congestion has become a serious matter in the handling of the business of many of the most important trades and it is to be hoped that the situation will be relieved and the present trouble overcome before another harvest puts into the market its overwhelming quantity of products.

As a sample of the present transportation congestion we note the fact that a few days ago there were 18,000 cars of grain unloaded and idle at Galveston, Texas, on account of the lack of elevator capacity. Thousands of cars stand on 200 tracks in California loaded with merchandise and building material for the rebuilding of the earthquake-stricken city of San Francisco. Hundreds of these freight conveyers are held in various terminals throughout the Pacific Northwest because of a shortage of warehouse facilities. All of this works a hardship on the country in general. The question is: Will legal steps make conditions any better?—Pacific Homestead.

## Flesh Condition of Fat Fowls.

In fattening fowls it is necessary to know the influence of feed on the system, because if this is not known and provided for, there is a probability that mistakes will be made, or that the best results will not be obtained. It is possible to add greatly to the weight of fowls by feeding food that is rich in carbohydrates, like corn, but the results are often unsatisfactory. The oily, yellow fat produced by feeding corn is objectionable in appearance, and, if a bird is so fat, a greater part of it is lost in the crippling pan. It is not thought desirable to add fat to the system beyond a certain degree.

The food employed chiefly in England consists of ground oats. Not oat meal or partially ground oats—the oats, hull and all, are ground to the fineness of flour. In Belgium, the feed consists of ground buckwheat, and in France it is ground barley. Of the ground oats a great deal can be said in its favor. It contains six per cent of fat and plenty of phosphates of limey matter, which go far toward whitening the flesh. Buckwheat ground is not considered quite so good. It is rich enough in carbohydrates, but lacks in albuminoids or flesh-forming elements.

In the countries named where fowls are being prepared for market the fowls named are always mixed with milk, but not made sloppy. In England skim milk is used, and also in some parts of France, but in other localities the whey is used for the purpose of mixing the feeds. The butter fat of whole milk is not required.

In all the feeding processes, fat is added to the milk during the last ten days, the object being to soften the flesh and by causing a distribution of the globules of fat throughout the tissues, making it much more palatable and likewise increasing the weight.—Iowa Homestead.

## Courtship Among Animals.

Another human trait that seems almost universal among the lower animals is the coyness and reluctance of the female in her relation to the male. Her first impulse is to refuse and flee. She is negative as the male is positive. Among the birds there is something like regular courtship, there is rivalry and jealousy and hostile collision on the part of both sexes. With the birds the propagating instinct in the female is evidently not subject to the same law of recurring intervals that is among animals. Hence the female must be stimulated and won by the male. He addresses himself to her in a way that is quite exceptional, if it occurs at all, among mammals. His aim seems to be to quicken her sexual and mating impulses. In the case of animals these impulses recur at certain periods, and no courtship on the part of the male is necessary.—John Burroughs in The Outlook Magazine.

## Honey in Place of Butter.

If people would use more honey and less butter on their bread it would be better, says an exchange, for their health, especially for children and invalids—at least such as suffer from defective or weak digestive power. Honey is a partly digested form of sugar and thus relieves the stomachs from the task of changing cane sugar to grape juice, which must be done with other forms of sugar before they can be absorbed into the system.

## Arm and Leg Warmth.

It is surprising, but it is nevertheless a fact, that the arms and the legs in winter need warmer clothing than the trunk of the body. Few people realize this, or it is quite a common sight to see women in the streets with their shoulders well covered by heavy furs, while their arms are only scantily protected, says Home Notes. This is a great mistake, and is frequently the cause of unnecessary colds and chills.

Notarial work of all kinds promptly executed at the News office.

## Eggs by Weight.

The time will probably come when eggs as well as poultry will be sold by weight. But the fact that in actual practice the users of eggs make their estimates by number and not by weight makes this change less imperative than the change in the case of poultry. Still it is hardly fair to sell a dozen Minorca or Brahma eggs weighing 30 ounces or more for the same price as an equal number of Leghorn eggs that weigh less than 24 ounces. Already the buyer will show a preference for the larger eggs and a poultryman with large eggs for sale could doubtless get a special price if his article were fancy in every other respect. Of course he would have to find a customer who really wanted his eggs more than other people's. He should take advantage of some season of scarcity and in that time make his product indispensable.—Cultivator.

## REGISTRATION OF LAND TITLE.

In the Circuit Court of the State of Oregon for Linn County.

In the matter of the application of T. D. McClain to register the title to the following described real estate, to-wit:

Beginning at a stone on the south boundary line of the Donation Land Claim of Lewis Stewart and wife, same being Lot No. 181 and Claim No. 34, in Township 15, South of Range 2 East of the Willamette Meridian, Oregon, which is South 27 degrees, West 27 1/2 chains, and South 10 degrees and 30 minutes West 1 1/2 chains distant from the Southwest corner of the Donation Land Claim of Thomas M. Munkers and wife, same being Lot No. 118 and Claim No. 34 in said Township and Range; thence North 28 degrees 15 minutes West 10 1/2 chains, thence North 80 degrees 15 minutes West 24 chains, more or less, to the left bank of the North Fork of the Willamette River, thence in a southeasterly direction following the meanders of said river, down stream, to a point which is 10 rods West of the section line between sections 2 and 4 in said Township and Range, said point being also the northeast corner of a tract of land conveyed to a. F. Munkers by Lewis Stewart on March 24th, 1869 and recorded at page 228 of Volume B, Deed Records; thence in a southeasterly direction along the Eastern boundary line of said tract conveyed to a. F. Munkers, 120 rods, more or less, to where same intersects a certain slough or creek; thence in a northeasterly direction following the meanders of said creek in the center thereof, to where same crosses the section line between sections 2 and 4 in said Township and Range; thence North 150 chains, more or less, to the Northwest corner of said section 2; thence on the South line of said section 2, 14 1/2 chains to the North line of said Claim No. 34; thence North 80 degrees 15 minutes East 8 1/2 chains, more or less, to a point, which is North 80 degrees 15 minutes East 8 1/2 chains distant from the Northwest corner of said Claim No. 34, said point being also the Northeast corner of a certain 16-acre tract conveyed to Thomas M. Munkers by deed from Lewis Stewart and Nancy Stewart, his wife, executed March 24th, 1867, and recorded at page 206, Vol. A, Deed Records for Linn County, Oregon; thence South 28 degrees 15 minutes East 16 chains to the South boundary line of said Claim No. 34; thence North 50 degrees 15 minutes East 16 chains, more or less, to the place of beginning, containing 200 acres, more or less, in Linn County, Oregon, ag. Inst. J. B. Cooney, defendant.

TO ALL WHOM IT MAY CONCERN:

Take notice that on the 27th day of December, 1906, an application was filed by said T. D. McClain in the Circuit Court of Linn County, for initial registration of the title to the land above described. Now, unless you appear on or before the 21st day of February, A. D. 1907, and show cause why such application shall not be granted, the same will be taken as confessed, and a decree will be entered according to the prayer of the application, and you will be forever barred from disputing the same.

J. W. MILLER, Clerk.

L. L. SWAN, Applicant's Attorney.

## Stray Notice.

I have taken up a stray heifer, one and one half years old, and dark brown in color, she has no marks or brands by which she can be identified. Owner can have the animal by proving ownership and paying expenses incurred on the strays place, to-wit: feed of said calf.

NOAH KING.

## WINTER RATES TO YAQUINA BAY.

As a Winter health and recreation resort Newport is the one for excellence. Recognized for its "WINTER" to give the people an opportunity to enjoy the fresh air and view of the ocean, the Southern and Corvallis & Eastern R.R. have resumed the sale of tickets through to Yaquina Bay from Albany, Oregon. Tickets will be sold throughout the Winter and Spring until May 31st, every.

Wednesday and Saturday and from Albany, Corvallis, and Philomath on the Corvallis & Eastern R.R. tickets will be sold to Yaquina and Newport daily.

The rates will be the same as during the summer, and will be good for return 30 days for an out-of-state.

The Northern Sanitary Baths will be in operation during the winter. Winter treatments will be given daily.

## Other Health Resorts Closed.

During the Winter nearly all other health resorts are closed or difficult to reach, and none of them have the advantages of Newport and vicinity as regards climate, point of interest, recreation and amusement. For those desiring to enjoy fishing, boating, or seeing the ocean in sunshine or in storm, the famous coast is unequalled, its surroundings are beautiful scenery, climate mild, healthful and invigorating. Cottages for rent clean, fresh vegetables, milk, honey, fruit at lowest possible cost. Bath and massage treatments to be had for the purpose of securing them.

For information from any S. P. or C. & E. agent, or from the general passenger agent of either company to Yaquina Bay, Oregon, call on the Rate from Albany to Yaquina, \$1.50. Rate from Albany to Newport, \$1.00.

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No. 2—  
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" " arrives Yaquina 5:45 "

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No. 9—  
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No. 11—  
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Arrives Albany 11:40 A. M.

No. 12—  
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All of the above trains connect with Southern Pacific Company trains, both at Albany and Corvallis, as well as train for Detroit, giving direct service to Newport and adjacent points as well as Bostonish Hot Springs.

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