

FARM NOTES

Profit in Crop Rotation.
Farmers in lower Delaware are greatly interested in an experiment just concluded by Capt. William E. Lank, who has thoroughly proven the advantage of the rotation of crops on a four-acre field. Last spring he mowed the four acres, which had been in corn the previous year. The manure was plowed under, the ground well harrowed and peas drilled in. The crop grew well, and in June the peas were sold at a net profit of \$92.

As soon as the peas were removed, plows again turned the soil over and it was planted with corn. From this a fine crop of fodder was saved, yielding a net profit of \$65. The ground now has a fine set of scarlet clover on it, the seed having been sown at the last harrowing of the corn, with every indication of \$40 worth of clover hay in the spring and a constant improvement to the land.

Construction of Colony House.
During the dull season our local lumber dealer and his assistant built some portable colony poultry-houses as follows, writes an Indiana correspondent of Orange Judd Farmer: The frame is securely bolted to the sills, which are made sled-runner style. The walls are made from closely-fitted tongue and groove drop-siding. The floors are tight, and the ventilators covered with screen wire to keep out rats, weasels, etc.; the cover is roofing felt. Each house is painted. The size is 6 by 8 feet; 6 feet high in front and 4 at the back. They cost me \$15 each for all material and work. Very likely they could be built for less in places where lumber is cheaper.

First Imported Horses.
It is said that the first horses imported into New England were brought over in 1629, or nine years after the landing of the Pilgrim Fathers. One stallion and seven mares survived the voyage. From this it will be seen that the first nine years of our history was a horseless "age" in New England. The colonists in Virginia differed from the sober-minded Puritans of New England in being fond of sport, loving fast horses and trying their speed on the race track. The horses imported were English hunters and racers. Fearnought, brought over in 1764, left his mark on a numerous progeny of uncommon beauty, size and speed.

Keeping Up Spraying Fight.
The fight against insect, scale and fungus diseases in our orchards must not be dropped with the harvesting of the fruit crops. It cannot be hoped that you have, by your spraying operations during the summer season, killed all the scale insects and fungi, and doubtless during the press of work on the farm during the midsummer season the matter will have been neglected, or very little done, since the fruit was formed, and it can be depended upon that there will now be on your orchard trees a fine collection of all sorts ready to hibernate and come forth in the spring stronger than ever.

How West Has Developed.
Five years ago it was freely predicted that land values in the West had reached their height, but they are 20 to 40 per cent higher now than then. The families of the first comers are grown. The second generation has come to the fore and is taking part in the business of the communities. They have grown up with the country and know what it can produce and just how valuable it is for the purpose of production and for a home.—C. M. Harger in the Atlantic Magazine.

Good Roads of Sawdust.
Making good roads with sawdust is being practiced in a number of localities in the South. Two ridges of earth are thrown up (a road machine being required to do the work) at a certain width from each other, the space between being filled with a six-inch bed of sawdust. Dirt is then mixed with the sawdust, and it is claimed that heavily loaded vehicles in passing over this kind of a road make no impression upon it. It is estimated that the cost of building is about \$250 per mile.

Feeding Calves by Hand.
It is always best to feed the calves by hand, because one knows just what they are getting and how much. It is really not such a terrible task to feed a dozen calves, but is quite a nuisance to go through the motion just for one or two. Perhaps a great many dairymen who object to raising calves or their own herds would change their minds if they should practice it in a wholesale way.

Light in Cow Stables.
The light in a cow stable should come from the rear of the cows, so

the milkers can see to clean the cows properly for milking. This arrangement is accomplished in modern stables by building them thirty-four to thirty-six feet wide and having two rows of cows facing toward a feeding alley in the center.

World's Wheat Crop, 1909.
Broomhall's final estimate of the 1909 wheat crop of the world places the total wheat production of the wheat acreage of the world at 3,347,000,000 bushels, an increase of 285,000,000 bushels over the production in 1908, a 427,000,000 bushel increase over the crop of 1907. The production in Europe aggregated 1,872,000,000 bushels, being 160,000,000 bushels over the 1908 crop. The crops of North and South America reaches 1,040,000,000 bushels, or 80,000,000 bushels over last year. It is likely that this great production will not be more than enough to supply the demands of the world's population.

Conservative Corn Policy.
It is, after all, but evidence of a desire to speculate when the corn belt farmer, particularly the one located in the northern part, plants a type of corn which is too big to mature in the season lying between the limits of killing frosts in spring and fall.

Where an exceptionally favorable season makes possible the proper maturity of such corn one year, there will be a half dozen seasons when it will get hit with the frost before it is ripe and sour and mold in the crib. It is better to play safe and grow a smaller and earlier maturing type.

Feeding Substitute for Corn.
In these days of high priced corn there is a lesson in the experience of Boyden Pearce of Hancock County, Me., who says: "I have been forced to depend upon my farm for my pork and have learned that plenty of rutabaga turnips, clover and one bag of corn will put a hog through the winter; then to pasture till fall. It makes good pork and at a low price. There is money in it and no need to depend upon the West for pork."

Salt for Milking Cows.
Your cows will get enough salt by simply putting a lump of rock salt in the manger. A cow giving a good flow of milk, well fed, ought to have two ounces of salt a day, an ounce in the morning and an ounce at night. Some advise giving this to them on their ensilage, when you feed ensilage and grain. You can take a small piece of salt in your fingers and weigh it, and will soon be able to judge the amount in an ounce.

Cleanliness in Dairy Counts.
Cleanliness in all lines of dairying counts for quality of products. After milk vessels have been washed with soap and hot water they must be finally rinsed with scalding water. When scalding water is used no drying with rags will be necessary, as the heat from the water will dry the vessels without aid. Sunning after cleaning is to be commended.

Animal and Bird Farm Aids.
According to the Department of Agriculture of France a toad is worth \$9; a lizard, \$9; a swallow, \$20; a titmouse, \$8; the robin, \$4; a mat, \$30; an owl, \$12; a screech owl, \$16; a fern owl, \$30. That looks bad when some of us come to think it over and call to mind how many of our friends we have killed.

Providing Salt for Pigeons.
On one of the largest squab plants in this country salt is furnished the breeders by dipping the small sacks in water and then allowed to dry until they become hard and firm. These are then placed in the lofts and the pigeons pick out the salt through the sacks. Never give common granulated salt loose.

Whitewashing the Houses.
Nothing is better for poultry buildings from a sanitary point of view than a good coat of whitewash. Especially is this true when getting the poultry houses ready for the winter. All may not be aware there is quite a science in whitewashing. There are different kinds, and each is adapted for a different use.

Working for Top of Ladder.
Do not hesitate to work on the top rounds of a ladder in the poultry business. The higher you get the less crowded it is, and therefore the better the business pays, says a writer in an exchange. You may feel a little lonesome at times, but it is the kind of loneliness that is right easy to bear.

SOMETHING FOR EVERYBODY

Sicily lost 60,000 inhabitants by earthquake in 1693.

The Siamese peninsula is to be developed in the immediate future by the construction of over 600 miles of railway.

Several German shipyards are equipped with electro-magnets powerful enough to lift dead weights of 50,000 pounds.

Milk costs at least 10 cents a quart in Mexico and butter 50 cents a pound. The demand for poultry is always greater than the supply.

Three hundred women were contestants in a recent archery tournament in London. Archery has become a popular sport with women in both England and France.

Abdul Hamid's 2,000 waistcoats and the hundreds of boxes of shirts and waistcoats found in Yildiz kiosk recall the posthumous sale of King George IV.'s wardrobe, which realized \$45,000.

As far as we know, the shortest associational report on temperance was presented by J. J. Barrow and C. W. Scarborough and adopted by the Central Association in 1879. It was as follows: "No drunkard shall inherit the kingdom of heaven."—Biblical Recorder.

At this season of the year, when sore throats, laryngitis and similar complaints are very prevalent in London, it may interest our readers to know of a very simple remedy which is recommended by the celebrated Dr. Fauvel, of Paris. He recommends a gargle of ordinary tea before going out in the morning and if possible, on returning at night.—London Chronicle.

Surely "the world do move." Here's Chicago putting rubber soles on its noisy milk peddlers who clatter up back stairs at 2 a. m., to the rout of Morpheus and the discomfort of tenants. Now, if somebody will invent noiseless milk wagons, nonrattling cans and a few more things of the kind, a dozen quiet loving and sleep needing home suburbs of New York will gladly build him a monument.—New York Tribune.

Constantinople is the dirtiest city in the world, the only street cleaners being the starving dogs, cats and rats; but the people do use soap. Last year there were imported into that city 3,500 tons of soap selling from 20 to 60 cents a cake. Practically all the soap of Constantinople arrives from the island of Mitylene, which makes 32,000 tons a year from its olive oil. Constantinople still burns candles largely. The annual imports amount to 4,000,000 pounds.

While alighting from a tram car in Vienna some months ago, Fraulein Anette Schmidt accidentally injured a fellow-passenger's eye with one of her hat pins. The unfortunate man was taken to the hospital and eventually lost sight of the injured organ. Fraulein Schmidt, who visited him regularly, offered, says a writer, to become his wife and look after him for the rest of his life. Her offer was promptly accepted and the marriage took place lately.—Chicago News.

Off the northwest coast of Australia there is an island which till recently belonged to no one. It is not a very large island. In fact, it measures only 365 yards by 30 yards. It has, however, a good anchorage, and for that reason its possession may at some time be valuable. The British government has, therefore, annexed the island, and an official notification of the fact recently reached the commonwealth minister for external affairs. The new British possession is known as Cartier Island, and is almost surrounded by coral reefs.—Westminster Gazette.

Germany pays comparatively little attention to poultry raising. For the greater part of its supply of eggs and poultry the empire is dependent upon Italy, France, Belgium and the Balkan States. The imports into Germany of eggs and poultry have increased marvelously since 1872, in which year the combined imports of these two items amounted to only \$500,000. In 1880 they had increased to \$5,000,000, and in 1907, \$37,845,750 worth of imported eggs and \$12,730,500 worth of imported poultry were consumed, with exports that same year amounting to only \$313,500 for eggs and \$211,250 for poultry.

Many clergy gird against copper in the collection bags, and, of course, people who can afford silver ought not to give pennies only; but there is nothing to be said against pence if there is plenty of it. In a certain parish not long ago the vicar announced that an additional clergyman or second curate was needed. He said the cost of the maintenance was to be provided by a penny fund, to which every parishioner was wanted to subscribe. The fund was started and was so successful that the income of the new curate was assured thereby. The new assistant is to this day called "the penny curate."—Church Family Newspaper.

"Ship It to Me" SAYS SMITH

Smith wants every dressed veal and hog in the country. He never charges commission. We will pay as follows for good, fat stuff. Ship by express.

Dressed Veal, up to 130 lbs.....	12 1/2c
Dressed Pork.....	11c
Live Chickens.....	16c
Dressed Chickens.....	17 1/2c
Eggs.....	Market Price

Address
FRANK L. SMITH MEAT CO.
"Fighting the Beef Trust"
PORTLAND, OREGON

Depravity.
Goodman Gongrong—What d'ye reckon is the deader of the dead languages?
Saymold Storey—My guess is that it's the one you use when you're coughin'.

Simplifying It.
"Josiah, what is the house of lords?"
"It's one branch of the British parliament. You've heard of the house of commons, haven't you?"
"Ye-es."
"Well, the lords are the uncommons."

The Real Victim.
Mrs. Kawler—Isn't the cost of living frightful these days?
Mrs. Rennur—Indeed it is. It's so hard to save enough out of it to pay the still greater cost of moving!—Chicago Tribune.

SEEDS Catalogue for the Asking Send for It.

J. J. BUTZER
188 Street Front Portland, Oregon

WE PAY CASH

For homestead relinquishments, and can sell your farms and ranches quickly. Let us handle your business and we will guarantee your satisfaction. Give full particulars in first letter.

DAVIS & BUITKAMP
510 Dekum Bldg. Portland, Ore

\$2,000 A YEAR
Is being earned by hundreds of Chiropractors. The work is easily learned, competition slight, returns lucrative. A thousand graduates could be placed tomorrow. Write for particulars.

The Western School of Chiro-pody
Portland, Oregon



A Broken Down Foot-Arch

FERRY'S SEEDS
To grow the finest flowers and most luscious vegetables, plant the best seeds. Ferry's Seeds are best because they never fail in yield or quality. The best gardeners and farmers everywhere know Ferry's seeds to be the highest standard of quality yet attained. For sale everywhere.

FERRY'S 1910 Seed Annual
Free on request
S. M. FERRY & CO.,
DETROIT, MICH.

MODERN DENTISTRY EXPERT
At Prices that Defy Competition
TEETH WITHOUT PLATES A SPECIALTY



PAINTLESS EXTRACTION.....50c
SILVER FILLINGS.....50c up
GOLD FILLINGS.....\$1.00 up
GK GOLD CROWN.....\$5.00
GOOD RUBBER PLATES.....\$5.00
THE BEST RUBBER PLATES.....\$8.00
WHALEBONE PLATES.....\$10.00

Out-of-town patients can obtain perfect work and save money by calling at our office.
NO STUDENTS NO GAS NO COCAINE
All work guaranteed for ten years
CHICAGO PAINLESS DENTISTS
323 1/2 Washington St., Cor. Sixth
Established 15 years Here to stay

FOR **PINK EYE** DISTEMPER CATARRHAL FEVER AND ALL NOSE AND THROAT DISEASES

Cures the sick and acts as a preventive for others. Liquid given on the tongue. Safe for brood mares and all others. Best kidney remedy; 50 cents and \$1 a bottle; \$5 and \$10 the dozen. Sold by all druggists and horse goods houses, or sent, express paid, by the manufacturers.

SPOHN MEDICAL CO., Chemists, Goshen, Ind.

IN THE **HILLMAN** OF



THE DESCHUTES VALLEY
The Place You've Been Reading About
Write for Information
COOPER & TAYLOR, Selling Agts.
206-7-8-9 Henry Bldg., Portland, Oregon

The Farmers' Friend and **J. J. HILL** Empire Builder

Noteworthy Exception.
The early bird had caught the worm. Thinking the incident self-explanatory and the moral perfectly obvious, the bird refrained from trying to say anything smart.

Thereby introducing a startling innovation and establishing a new record.

His Wonderful Tact.
Wheeler—Why, Miss Snooper, how costumes completely alter people! I hardly knew you.
Miss Snooper—Do I look such a fright, then?
Wheeler—On the contrary, you look most charming.—Illustrated Bits.

Two Harassed Nations.
Bay Mackerel—Thanksgiving and Christmas may be seasons for the dismemberment of Turkey, but I know a nation in even a worse case.
Shad Rose—What is that?
Bay Mackerel—Lent, when occurs the baiting of fin-land.

Expected Trouble.
One evening Fred, aged 4, says the Chicago News, saw a shooting star for the first time. Running into the house, he exclaimed: "Oh, mamma, I'll bet there's going to be trouble in heaven to-night. Somebody let one of the stars fall."

Coining Another Word.
Willie—Pa, may I ask one more question?
Pa—Well, what is it?
Willie—If a man from Portugal is a Portuguese is his little boy a Portugosling?
Pa—Right to bed with you.—St Louis Times.

Sure of Him.
"I'll give you a position as clerk to start with," said the merchant, "and pay you what you are worth. Is that satisfactory?"
"Oh, perfectly," replied the college graduate, "but—er—do you think the firm can afford it?"—Catholic Standard and Times.

Bad Breath

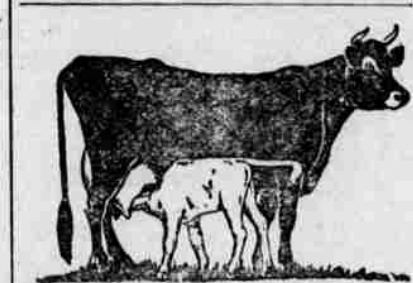
"For months I had great trouble with my stomach and used all kinds of medicines. My tongue has been actually as green as grass, my breath having a bad odor. Two weeks ago a friend recommended Cascarets and after using them I can willingly and cheerfully say that they have entirely cured me. I therefore let you know that I shall recommend them to any one suffering from such troubles."—Chas. H. Halpern, 114 E. 7th St., New York, N. Y.

CUT THIS OUT, mail it with your address to the Sterling Remedy Company, Chicago, Ill., and receive a handsome souvenir Gold Bon FREE.

Seeds

Don't waste time and money planting poor seeds. Our seeds won First Grand Prize at the Seattle Exposition. Our prices are reasonable. Big Catalogue free. Send for a copy.

Vogeler Seed Co.
Salt Lake City, Utah



KOW-KURE
Is not a "food"—it is a medicine, and the only medicine in the world for cows only. Made for the cow and, as its name indicates, a Cow Cure. Bacteraemia, retained after-birth, abortion, scours, caked udder, and all similar affections positively and quickly cured. No one who keeps cows, whether many or few, can afford to be without KOW-KURE. It is made especially to keep cows healthy. Our book "Cow Money" sent FREE. Ask your local dealer for KOW-KURE or send to the manufacturers.
DAIRY ASSOCIATION CO. Lyndonville, Vt.