

# FARM AND GARDEN

## HOW DEEP TO FARM.

Conditions of Soil, Drainage, Etc., Must Determine the Question.

The depth to which a man plows his land has a bearing on the success of his farming. It is possible to plow too deep, and it is certainly possible to plow too shallow, to get the best results. That someone will ask, what is the best depth for plowing? That is an unanswerable question, because all kinds of conditions exist on farms, and the recommendations are what must set the depth of plowing. The depth to which to plow is a problem that has been considered, with other questions, and not by itself, by our best investigators.

In the investigations of the soils of southern Illinois, Prof. Hopkins found sections where the potash had been very much exhausted in the upper seven inches of soil, so much so that the crops could not get enough of that element to make the growth they should make. The advice of Prof. Hopkins was to plow a little deeper, and thus get the use of the potash below the depth of the old plowing. Now, here was a case where the land had been farmed for so long a time that the potash was exhausted in the soil usually turned up by the plow. It is certain that if a new piece of soil were brought under cultivation in that region, the conditions would be the same. This illustrates the fact that no rule can be laid down.

How deep to farm must depend to a considerable extent on the drainage conditions existing on each field, says the Farmer. If the field is on a flat and wet, during a good deal of the growing season, no depth of plowing will increase its productiveness. The roots of plants will not strike below the water line, and if, during an unusually dry time, they did go down, it would be to rot when the water rose permanently around them. Therefore it is impossible to give a rule for depth of plowing in such a case. It is certain that it is useless to attempt to cultivate the land to a greater depth than it has been drained.

The character of the soil also has much to do with the depth of plowing and cultivating. A clayey soil will not give as good results if plowed deep as a sandy soil, for the air will not readily penetrate the soil to a certain depth, as it will the sandy soil, nor will the heat of the sun so quickly warm it up to a point where the seeds will germinate in it. Sandy soil can and should be plowed quite deep, for a number of reasons. One of these is that it dries out more quickly than clayey soil, as clay contains more water than sandy soil. The sandy loam will therefore facilitate the deep growing of roots, as the roots easily penetrate the interstices between the particles of soil.

There is still doubt that the soil can be utilized as deeply as such a deep, for a number of reasons. One of these is that it dries out more quickly than clayey soil, as clay contains more water than sandy soil. The sandy loam will therefore facilitate the deep growing of roots, as the roots easily penetrate the interstices between the particles of soil.

## STORING THE CORN CROP.

Crib Which Can Be Made Rat and Bird Proof.

I have a corn crib which is proof against rats and birds, writes a South Dakota correspondent of the Farm and Garden. It is shown in the cut. It is set on posts 1 foot out of the ground; rails lengthwise 3x4 inches, floor joists 2x5 laid on top of sills. Posts 2x4 inches and one-half foot apart. The floor joists rest on top of sills. Plates 2x4 inches and one-half foot apart.

## FARM BITS.

The Indiana wheat crop is figured by the state bureau of statistics as 50 per cent. larger than last year's banner crop.

Small potatoes from productive hills give a better product than large potatoes from unproductive hills. This shows the importance of selecting seed in the field at digging time rather than from the bin next spring.

Several instances were reported at the Texas 'Nut Growers' association where native pecan trees were giving regular annual returns of from \$20 to \$45 per tree in from 10 to twelve years after top-working with the proved varieties.

**Rat Riders.**  
To rid a house of rats, spray strong spirits of ammonia in holes and cracks. Then spread the white of an egg on a cloth, sprinkle liberally with red pepper and tack over rat holes, then with coppers, then applied thickly to the stones and rafters in a cellar, is also said to be effective.

**Lime on Clover Land.**  
Lime will frequently prove to be a good remedy for so-called "clover sick" land. This is especially true in places where the clover dies out on account of an extremely acid condition of the soil. Some soils, however, require other fertilizer in connection with the lime to grow clover successfully.

## TEACHER SHOT DEAD

### JEALOUS MAN MURDERS WOMAN IN SCHOOL ROOM.

### SUICIDE TO FOIL POLICE

Slayer Ends His Life with Pistol When Surrendered by Posse After Escaping From Scene of His Crime.

Cleveland.—In the presence of 60 pupils in the South Euclid school, Harry Smith, 25 years old, shot to death Miss Mary Shepard, a teacher 22 years old, Wednesday afternoon.

Cornered behind the barn in the rear of his home in Warrensville two hours later, Smith shot himself through the head, dying instantly.

Four Cleveland policemen, with drawn revolvers, and under cover of eight armed farmers, were about to rush on young Smith when he ended his life.

Disappointment in love is said to have been the motive for the cold-blooded murder. Smith, who was a fourth cousin to Miss Shepard, had wooed her for some time, and recently was rejected.

He brooded over the unhappy ending of his courtship, and Wednesday afternoon, first quitting his position, grabbed a revolver and went to the South Euclid school.

Miss Shepard responded to his knock at the door. He walked in and for a few moments talked to her in the hall.

Suddenly he whipped out his revolver, aimed it against her head and fired twice in rapid succession, both bullets crashing through her brain.

Smith leisurely walked out and drove to the Warrensville school. The news of the crime went like wildfire, and in less than half an hour an armed posse formed and was in full pursuit. The identity of the murderer was quickly established.

## GREAT SENSATION IS KILLED

### Baltim Sea Will Flow in Its Old Channel in Few Days.

Los Angeles, Cal.—In ten days, according to official estimates by W. J. Moran, of the California Development company, the work of diverting the Colorado river back to its old course will be finished and the beginning of the end of the Salton sea will be an assured fact. By Friday the railroad track being built across the river will be finished and the dumping of rock into the stream will be begun at once. The company has three steam shovels at work at the quarries and will transport the rock to the river on 80 cars, each of 100,000 pounds capacity.

The company officials have not the slightest doubt of the success of the scheme, and say it will be worth all the money spent on it, a figure now totaling close to a million dollars.

## GOVERNMENT CROP ESTIMATE

### Showing of Corn is Slightly Below That of Last Year.

Washington.—The crop estimating board of the department of agriculture Wednesday issued a bulletin showing the condition of corn on October 1, 1906 to be 90.1 as compared with 90.2 last month.

Preliminary estimates of the average yield per acre of spring wheat is 13.7 bushels.

Preliminary returns indicate an oat crop of about 863,352,000 bushels, or an average of 31.2 per acre, as compared with 34 bushels as finally estimated in 1905.

Condition of spring wheat 85.5, as compared with 89.0 last year.

Condition of oats 86.2, as compared with 92.4 last year.

## HEAVY SNOWSTORM IN INDIANA

### Seven Inches of Beautiful at Laporte is Doubled at Stillwell.

Laporte, Ind.—The record in Indiana for heavy snowstorms was broken Wednesday when, according to the government observer here, six inches of snow fell during the day.

At Stillwell, seven miles south of Laporte, the fall was the heaviest in this section, measuring 14 inches on the level. Running of railroad trains and electric cars was affected.

## Funeral to Quit Cuba.

### Havana.—Gen. Frederick Funston will not continue in command of the American forces in Cuba. Gov. Taft announced Wednesday that he and Gen. Funston will leave Havana for the United States on Saturday on the battleship Louisiana. With them will go Assistant Secretary of State—Bacon and the affairs of Cuba will be left in the hands of Gov. Magooon and Gen. J. Franklin Bell.

## Costly Fire to Goldfield.

### Goldfield, Nev.—Fire broke out Wednesday in the Palace saloon, destroying that place and three buildings adjoining. The loss is estimated at \$100,000. For a time it seemed certain that the entire town would be destroyed.

## Berker and Kaufman to Fight.

### San Francisco.—Articles were signed Tuesday by Sam Berger and Al Kaufman for a 29-round contest October 31. Jack Welch was chosen referee. The articles provide for straight Marquis of Queensbury rules.

## NO REST NIGHT OR DAY.

### With Irritating Skin Humor—Hair Begins to Fall Out—Wonderful Result from Cuticura Remedies.

"About the latter part of July my whole body began to itch. I did not take much notice of it at first, but it began to get worse all the time, and then I began to get uneasy and tried all kinds of baths and other remedies that were recommended for skin humors; but I became worse all the time. My hair began to fall out and my scalp itched all the time. Especially at night, just as soon as I went to bed and got warm, my whole body would begin to itch and my finger nails would keep it irritated, and it was not long before I could not rest night or day. I then asked me to try the Cuticura Remedies, and I did, and the first application helped me wonderfully. For about four weeks I would take a hot bath every day, and then I applied the Cuticura Ointment to my whole body; and by the time I used four boxes of Cuticura I was entirely cured, and my hair stopped falling out. D. E. Blankenship, 219 N. Del. St., Indianapolis, Ind., Oct. 27, 1905."

## New York's Great Ocean Trade.

New York is the second great seaport of the world. In 1903 over 49,000,000 tons of goods and 1,000,000 tons of exports were cleared through New York harbor. London is the greatest seaport, exceeding New York in imports, though not by exports. About 2,000,000 tons of goods are imported and 400,000 tons of exports, respectively.

## \$100 Reward, \$1000.

The reader of this paper will be glad to learn that there is a cure for the disease that afflicts the hair. It is called "Dandruff" and is a common ailment. It is caused by a microscopic animal, which requires a moist, warm, and greasy surface for its habitation. It is found on the scalp, and its presence is indicated by itching, redness, and the falling out of the hair. It is a disease that is easily cured, and the cure is simple and effective. It is called "Cuticura" and is a remedy that is guaranteed to cure the disease. It is a remedy that is sold in every drug store, and it is a remedy that is worth a trial.

## Remarkable Double Wedding.

A remarkable double wedding has been celebrated at Warrensville, Ohio. A manufacturer named Muller married his son, while at the same time his son married the widow's daughter. Thus the father becomes the father-in-law of his own son, and the mother-in-law of her daughter.

## Cheap Excursions South.

On the 1st and 2nd Tuesday of each month the Big Four Ry. will sell excursion tickets to most all points in Virginia, South Carolina, Tennessee, Alabama and Georgia at rate of one fare plus \$2.00 with return limit 30 days. Liberal stopover privileges. Write R. F. Spining, General Northern Agent, Big Four Route, 223 Clark St., Chicago, for further information.

## Evangelists Torrey and Alexander are under engagement to conduct a series of religious services in the following cities: Nashville, Omaha, Winnipeg, Buffalo, Pittsburgh and Montreal.

## Washing Windows.

The method of washing windows has changed very much of late. Have a pair of clean white muslin gloves. Dip a soft cloth in the water, squeeze all the dirt and wipe the glass off. Then wash with clean water. It leaves no lint and does the work more easy.

ELEANOR R. PARKER.

## The most important events in the average man's career are his birth and death.

Smokers appreciate the quality of Lewis' Single Binder cigar. Your dealer or Lewis' Factory, Peoria, Ill.

## About two-thirds of a man's friends are enemies in disguise.

Hurt, Bruise or Sprain St. Jacob's Oil relieves from pain.

People with real troubles never solve them.

## NERVOUS DEBILITY

### A Scranton Woman Tells How Dr. Williams' Pink Pills Made Her Well and Strong.

Nervous debility is the common name for what is technically known as neurasthenia. It is characterized by mental depression, fits of the "blues," or melancholy, loss of energy and spirits. The patient's eyes become watery and the hands tremble. The cheeks, the memory becomes defective so that it is difficult to recall dates and names of persons. The symptoms usually only may be present or all of them. My nervous system was in this condition, and I was in a state of nervous debility. I was generally miserable. Then I used Dr. Williams' Pink Pills for Pale People, as my husband had taken them with good results, and they did wonders for me. Now I have no more of the above troubles. I sleep well and feel strong and able to do my work.

Dr. Williams' Pink Pills cured Mrs. Davies and they can do just as much for other weak, pale, ailing men or women who are afflicted with nervous decline. They strike straight at the root of all common diseases caused by poor and impoverished blood.

Dr. Williams' Pink Pills are sold by all druggists, or will be sent postpaid, on receipt of price, 80 cents per box, six boxes for \$4.00, by Dr. Williams' Medicine Co., Schenectady, N.Y.

# WHOLESALE

## SKETCH OF THE LIFE OF LYDIA E. PINKHAM

### And a True Story of How the Vegetable Compound Had Its Birth and How the "Panic of '73" Caused It to be Offered for Public Sale in Drug Stores.

This remarkable woman, whose maiden name was Estes, was born in Lynn, Mass., February 9th, 1819, coming from a good old Quaker family. For some years she taught school, and became known as a woman of an alert



Lydia E. Pinkham

restore the family fortune. They argued that the medicines which were so good for their woman friends and neighbors was equally good for the women of their whole world:

The Pinkhams had no money, and little credit. Their first laboratory was their kitchen, where roots and herbs were steeped on the stove, gradually filling a gross of bottles. Then came the question of selling it, for always before they had given it away freely. They hired a job printer to run off some pamphlets setting forth the merits of the medicine, now called Lydia E. Pinkham's Vegetable Compound, and these were distributed by the Pinkhams sons in Boston, New York, and Brooklyn.

The wonderful curative properties of the medicine were so great that it self-advertising for whoever used it recommended it to others, and the demand gradually increased.

In 1873, when the panic straggled the family had saved enough money to commence newspaper advertising and from that time their business increased. Their enterprise never assured, until today Lydia E. Pinkham and her Vegetable Compound have become household names. Their roots and herbs are used annually in its manufacture.

Lydia E. Pinkham herself did not live long, she died at the great age of 80. She passed her her reward years ago, but not till she had provided for her children, three sons and a daughter.

In those good old fashioned days it was common for mothers to make their own home medicines from roots and herbs, nature's own remedies—calling in a physician only in specially urgent cases. By tradition and experience many of them gained a wonderful knowledge of the curative properties of the various roots and herbs.

Mrs. Pinkham took a great interest in the study of roots and herbs, their characteristics and power over disease. She maintained that, just as nature so bountifully provides in the harvest fields and orchards vegetable foods of all kinds; so, if we but take the pains to find them, in the roots and herbs of the field there are remedies expressly designed to cure the various ills and weaknesses of the body, and it was her pleasure to search them out, and prepare simple and effective medicines for her own family and friends.

Chief of these was a rare combination of the choicest medicinal roots and herbs found best adapted for the cure of the ills and weaknesses peculiar to the female sex, and Lydia E. Pinkham's friends and neighbors learned that her compound relieved and cured it, and it became quite popular among them.

All this so far was done freely, without money and without price, as a labor of love.

But in 1873 the financial crisis struck Lynn. Its length and severity were too much for the large real estate interests of the Pinkham family, as this class of business suffered most from fearful depression, so when the Centennial year dawned it found that property owners had to be found.

At this point Lydia E. Pinkham's Vegetable Compound was made known to the world.

The three sons and the daughter, with their mother, combined forces to

Such is the history of Lydia E. Pinkham's Vegetable Compound; made from simple roots and herbs; the one great medicine for women's ailments, and the fitting monument to the noble woman whose name it bears.

## NO MORE MUSTARD PLASTERS TO BLISTER.

THE SCIENTIFIC AND MODERN EXTERNAL COUNTER-IRRITANT.

# CAPICUM VASELINE

EXTRACT OF THE CAYENNE PEPPER PLANT

A QUICK, PURE, SAFE AND ALWAYS READY CURE FOR PAIN—PRICE 10 CENTS PER TUBE AT ALL DRUG STORES. DEALERS OR BY MAIL ON RECEIPT OF 15c. IN POSTAGE STAMPS. DON'T WAIT TILL IT'S TOO LATE. COME—READ THE HONEST AND HANDY LINE PAMPHLET WHICH WILL INTEREST YOU.

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17 STATE STREET, NEW YORK CITY.

## ENAMELINE

DUST  
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SLOPP  
WASH  
SMELL  
WOOL  
MUSSE  
OR  
SPATTER

STOVE POLISH

## REAL ESTATE.

### You Ought to Know

Have you heard about our wonderful Real Estate, that brings you more than any other land in America? Do you know that there is a great deal of land for sale in the South? We have a large tract of land in the State of Georgia, and we are offering it for sale at a very low price. The land is fertile and well watered, and is situated in one of the best sections of the State. It is a great opportunity for anyone who is looking for a good investment. The price is only \$100,000, and the land is sold on a very easy plan. If you are interested, please write to us at once.

W. W. BROWN & SONS, Greenville, S.C.

### WHAT WILL YOU DO WHEN YOU GET OLD

IT WILL, you say, you had in Georgia, that brings you more than any other land in America? Do you know that there is a great deal of land for sale in the South? We have a large tract of land in the State of Georgia, and we are offering it for sale at a very low price. The land is fertile and well watered, and is situated in one of the best sections of the State. It is a great opportunity for anyone who is looking for a good investment. The price is only \$100,000, and the land is sold on a very easy plan. If you are interested, please write to us at once.

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