

Fertilizers And Moisture.
Farmers should invest largely in commercial fertilizers. They cost something, but greatly increase the yield of crops. Water is necessary to dissolve fertilizers, for which reason they should be applied on the land early, in order that the plentiful rains of spring may prepare it for the use of plants. The failures that have occurred with fertilizers are usually due to the lack of moisture, and manure from the barnyard may be equally as useless if there is an insufficient supply of moisture in the ground.—Epitomist.

Reducing Farm Expenses.
The farmer who begins the new year with the intention of reducing expenses will find many opportunities for so doing, and will also be surprised at the end of the year at the many avenues for allowing the loss. One cause of the loss is the neglect of farm wagons and implements. An account kept of the cost of repairs will show that quite a large sum goes in that direction, much of which could be saved. The use of more oil on tools, and keeping them sharp and in the best condition for use, will save labor, which is an item that must be paid for. Too many unprofitable animals, however, cause more loss than anything else, and the farmer should begin the new year with sufficient courage to thin out the flocks and herds so as to retain only the best and most profitable.—Epitomist.

A Cheap Cellar.
Our house is built on a hillside. The ell, or kitchen roof, is but very little higher than the bank where it was left for walling up.

I dug back in the hill twelve feet, just as wide as the kitchen porch, covering the top of dugout or cellar with a porch. The soil was tough, red clay, and after cementing the inside, I used rocks for front wall the same as for walling up the balance of the bank.

The top of the cellar was celled over head and filled in with sawdust up to the roof. A door was supplied with a window hinged in; also, a screen door which could be used in the summer. A series of shelves holds the canned fruit. Long, narrow bins hold potatoes, beets, etc., on one side; the other side is lined with broad shelves, one foot apart for apples. A sprinkle of sand on the shelves and layers of sand in the bins, prevent fruit and vegetables from spoiling. Pumpkins and squashes are set around on top of shelves. Nothing ever freezes, and but few vegetables rot or decay.—L. B. Phillips, in the Epitomist.

About Merino Sheep.
A theory was prevalent in Spain early in the last century that the superiority of the wool of Merino sheep was due to their annual migration, and that if they remained stationary for a few generations it would become as coarse as that of the Andalusian sheep, says the London Live Stock World. Mr. Jacobs, M. P., F. R. S., who visited Spain in 1809 and 1810, found this belief to be general, and says that at that time the Merino flocks invariably passed the summer in the northern mountains, returning to the warmer climate and richer pastures of the south of Spain for the winters. In April they began the journey northward, and as the time approached they became restless, and if not closely watched would begin the journey alone; instances having frequently occurred of flocks proceeding several leagues northward early in the morning before the attendant shepherds were awake. Shearing began the middle of May, the shearing of eight ewes or five rams being considered a good day's work. As soon as the flocks arrived at their summer quarters they were allowed as much as they would eat—the quantity allowed for the five summer months being about two and one-half pounds for each sheep—this rock salt was laid on flat stones, and the sheep licked it as they passed from fold to pasture. At the end of July the rams were placed with the ewes in the proportion of six to 100. Rams were considered the more profitable, as though their wool was not so fine, the fleece was heavier, and they were longer lived.

Making Cider Vinegar.
This receipt for making cider vinegar, although necessitating considerable labor, seems so near practical common sense that it is suggested readers store it in the scrapbook for reference next season. An Indiana writer tells about it in the Rural New Yorker:

I will give you my way of making. I have been making cider vinegar for twenty years. When the apples are getting ripe, we gather all the fallen ones and bring them to the shed. When we have eight or ten bushels, one of two persons cuts every apple in two; cuts out all the rotten and worms, and discards all we think will not make good cider (worms, rotten or green apples will not make good vinegar). We clean our barrels thoroughly, lay them down on a platform near the press with a spigot in each; these are filled full as we make the cider. In fall, before freezing, we draw off this spigot to each barrel. There will be from one to two bucketfuls of settlings in each barrel, which we throw away. When spring comes, about April 1, we draw off the cider and put in clean barrels, under an open shed filling the barrels within four or five bucketfuls. Then my wife makes me fresh yeast, of which I put one to one and a half pints into each barrel, also five pounds brown sugar dissolved

in a bucket with the cider of each barrel. The vinegar will be strong enough to use in two or three months. The first good rain we fill each barrel nearly full with rain water. When fall comes we draw it off as before and put it in the house again. At that time it must be diluted with water to use. We sell a great deal of cider and vinegar and have customers that have patronized us for eighteen years. You will observe we take a great deal of pains and time to do as we do in making the vinegar, but it pays well to be clean and honest in all your transactions.

Poultry and Farm Life.
Of all the many places I have been and read about, both in country and city life, I know of no better place or one in which I can take more solid comfort, than I can in a well kept flock of thoroughbred poultry. I love to care for them, watch them grow and develop into prize winners. We find many a young man rushing off for the city as soon as he possibly can, to seek his fortune among such a mob that, should he be lost, or even working on from day to day, would be thought no more of than if he were on the opposite side of the world.

There are more places of immediate amusement, to be sure, in a city, no matter where it is, than in the country, but what is life for? Is it to be spent in hours of pleasure, or shall we as citizens of a flourishing nation put our shoulder to the wheel and our brains in action and raise ourselves above the common level of those who are content to drift along from year to year, satisfied with a few paltry dollars, with which to barely pay for their own keeping, missing the opportunity to broaden out and become acquainted with the great works around about us.

In speaking with our city friends they ask us what we have at our country homes to invite our boys and girls to remain at home. This is somewhat of a difficult question for some of us to answer, for the pure and simple reason that we have allowed our farms and buildings to get rusty and look unattractive, when with a little extra work with the bush scythe, stoneboat or a garden rake on our lawn our homes may be made attractive and homelike. We find our city friend continually paying out his money or working late hours, in order to have his lawn look better than his neighbor's. We see him working overtime, day in and day out, that he may raise money for something extra. Now let us go right back upon our hills and choose some good, earnest, energetic farmer. Here we have a father interested in general farming and in turn bringing up a family of children who feel a great pride in being sons and daughters of a man who can make a success of a life that keeps the universe in existence. As they grow to manhood and womanhood they soon become aware of the fact that many and many a man from the city, in riding by their homes, will remark "here lives a happy man." And it could be said of more, should each one of us be educated to the fact that it is the most noble life of man.

Of this same family, we can follow them and in nine cases out of ten every one will sooner or later engage in some kind of farming. One may choose the occupation of the father, another may take up farming, another poultry raising, etc. The well educated mind travels in a course with which it is most closely connected, and when we find our country boys rushing off to the rank and file of the city we may give vent to a drawn conclusion that there is a neglect somewhere.

But to return to my starting point. Poultry is the rock of my standing. In it I find the greatest opportunity to carry out every thought that I learn in every day life and it gives a quick reply to whatever problems I put into it. In studying nature we find laws of which sometimes we wish to learn more about and we can turn them to fit our poultry culture and make a handsome return for our trouble. There is nothing but what we can in some way turn into benefit, for something should we desire it. Country life and poultry is a great factor of it.—Archie E. Vanderroot in the Indiana Farmer.

Farm Notes.
Never let a prompt horse work with a lazy driver. Fire the driver or cut down his feed.

It is a good plan to have a pair of well bred mares to make up the extra farm team for the light work. The colts dropped after fly time are "clear gain."

Keeping the cattle interested and happy, is the condition sought after by successful stockmen. These conditions apply especially to the dairy herd.

Hogs require less attention than any other farm animal, yet they yield the biggest returns from money invested in them than any other farm animal.

Roots are a valuable succulent feed for hogs in winter and are greatly relished. Sugar beets or mangels should be stored for the brood sows and fall pigs.

Make up your mind that you will not let the calves get stunted. Keep them growing. They will be better cows, and better cows are what we are all working for.

As long as a good boar shows vigor he should be kept with the herd. It is never a good plan to discard a good vigorous animal just to make room for another one that is younger.



(Facsimile of the genuine package slightly reduced.)

BURDENS LIFTED FROM BENT BACKS

Weary is the back that bears the burden of kidney ills. There's no rest nor peace for the man or woman who has a bad back. The distress begins in early morning. You feel lame and not refreshed. It's hard to get out of bed. It hurts to stoop to tie your shoes. All day the ache keeps up. Any sudden movement sends a sharp twinge through the back. It is torture to stoop or straighten. At night the sufferer retires to toss and twist and groan. Backache is kidney ache—a throbbing, dull aching in the kidneys. To cure backache you must first cure the kidneys. Plasters or liniments won't do. You must get at the cause, inside.

DOAN'S KIDNEY PILLS CURE SICK KIDNEYS

BACKACHE, DIZZINESS, NERVOUSNESS
Completely Relieved by Doan's Kidney Pills in Two Tests.

Mrs. P. W. Bessinger, 1328 Taylor St., Columbia, S. C., says: "I heartily recommend Doan's Kidney Pills, knowing from experience that they are a valuable remedy. Several years ago I suffered severely at times from pains in the small of my back and often felt dizzy and nervous. The kidney secretions were irregular in passage and caused me much annoyance. Hearing Doan's Kidney Pills highly recommended I procured a supply, and after taking the contents of several boxes I was so greatly relieved that I considered it unnecessary to continue their use. Recently I felt a slight recurrence of my trouble, but I immediately began using Doan's Kidney Pills and was relieved."

HOW TO TELL WHEN THE KIDNEYS ARE DISORDERED.

PAINFUL SYMPTOMS—Backache, sideache, pains when stooping or lifting, sudden sharp twinges, rheumatic pains, neuralgia, painful, scanty or too frequent urination, dizzy spells, droopy.

URINARY SYMPTOMS—Discolored or cloudy urine. Urine that contains sediment. Urine that stains the linen. Painful passages. Blood or shreds in the urine. Let a bottleful of the morning urine stand for 24 hours. If it shows a cloudy or fleecy settling, or a layer of fine grains, like brick-dust, the kidneys are disordered.

TWO YEARS CURED.
Backache, Kidney and Bladder Trouble Disappeared For Good.

J. A. Wirt, Russell St., Canisteo, N. Y., says: "I had kidney and bladder trouble for more than a year. My back was lame and I had an ache across my kidneys day and night. For days at a time I could not stoop or lift, and if I attempted to do so sharp shooting pains radiated through my body. The kidney secretions were unnatural and there was much sediment in them. The passages were also too frequent and caused me much annoyance. Having Doan's Kidney Pills brought to my attention I obtained a box. Their use brought relief in a few hours, and the contents of four boxes completely cured me. At that time I told of my experience in a public statement, and can now say that during the years which have since elapsed I have found Doan's Kidney Pills effective whenever I have taken them."

A TRIAL FREE Test Doan's Kidney Pills Yourself
Cut out this coupon, mail it to Foster-Milburn Co., Buffalo, N. Y. A free trial package of Doan's Kidney Pills will be mailed you promptly. A. C. L.

DOAN'S KIDNEY PILLS
Sold by all dealers. Price 50 cents. FOSTER-MILBURN CO., Buffalo, N. Y. Proprietors.

A Greedy in Music.
Illegible handwriting, which has given rise to so many comedies, led to a tragedy in the case of Bacher, a musical enthusiast of the last century, who devoted several years to the composition of a history of Viennese music. His task finished, he submitted the manuscript to the Austrian Imperial academy, which he had been led to believe would defray the cost of its publication. After three months his manuscript was returned; despite their best efforts the members had been unable to decipher it. Bacher then endeavored to have his work copied; but every professional copyist who undertook the task had to confess himself baffled. He thereupon attempted dictating the work, only to find that even he could not decipher it; and, heartbroken at the discovery that his years of toil had proved fruitless, he attempted suicide, and finished his days in a lunatic asylum.

Age Limit Lengthening.
With Chief Justice Melville W. Fuller of the supreme court of the United States seventy-seven years old Friday, and Associate Justice John M. Harlan seventy-seven next June, and both vigorous in mind and body, the age limit of man is surely lengthening.—New York Herald.

Japanese Railway Completed.
By the opening of the last section of the Kyushu railway, the Grand Trunk line of Japan has been completed from Sapporo on the north to Kagoshima on the south, a distance of 1,300 miles. The first part of this line to be thrown open was the Tokio-Yokohama section, which began to carry passengers and goods in 1872.

CHANGE THE VIBRATION
It Makes For Health.
A man tried leaving off meat, potatoes, coffee, and etc., and adopted a breakfast of fruit, Grape-Nuts with cream, some crisp toast and a cup of Postum.

His health began to improve at once for the reason that a meat eater will reach a place once in a while where his system seems to become clogged and the machinery doesn't work smoothly.

A change of this kind puts aside food of low nutritive value and takes up food and drink of the highest value, already quickly digested and capable of being quickly changed into good, rich blood and strong tissue.

A most valuable feature of Grape-Nuts is the natural phosphate of potash grown in the grains from which it is made. This is the element which transforms albumen in the body into soft gray substance which fills brain and nerve centres.

A few days' use of Grape-Nuts will give one a degree of nervous strength well worth the trial.

Look in pkgs. for the little book, "The Road to Wellville." "There's a Reason."

Considerate Wife.
The Doctor—Mrs. Murphy, you must be at your husband's side constantly, as you will need to hand him something every little while.
Mrs. Murphy—Niver, doctor. Fur be it from me to hit a man whin he's down.—Puck.

How a Doctor Cured Scalp Disease.
"When I was ten or twelve years old I had a scalp disease, something like scald head, though it wasn't that. I suffered for several months, and most of my hair came out. Finally they had a doctor to see me and he recommended the Cuticura Remedies. They cured me in a few weeks. I have used the Cuticura Remedies, also, for a breaking out on my hands and was benefited a great deal. I haven't had any more trouble with the scalp disease. Miss Jessie F. Buchanan, R. F. D. 3, Hamilton, Ga., Jan. 7, 1909."

Kept With Barnum's Circus.
P. T. Barnum, the famous circus man, once wrote: "I have had the Cuticura Remedies among the contents of my medicine chest with my shows for the last three seasons, and I can cheerfully certify that they were very effective in every case which called for their use."

American Capital in Canada.
It is estimated that there are now between 150 and 200 American factories or branches of American factories in Canada, 50 of these in Toronto and 20 in Hamilton, and between \$150,000,000 and \$200,000,000 of American capital invested in industrial enterprises in the Dominion. This transfer of industries and of capital is bound to continue, assisted by the Canadian tariff and the opportunities for investment, which the Dominion now affords. Retailing measures, approaching commercial non-intercourse, may check the movement, but only for a time, and only partially.—London Times.

To Cure a Cold in One Day
Take Laxative Bromo Quinine Tablets. Druggists refund money if it fails to cure. E. W. Grove's signature is on each box. 25c.

Training Ballet Girls.
Ballet girls in European cities are taken at a tender age and held like apprentices for several years, under the severest discipline. They are housed and fed by the master and mistress, their teachers.

In Winter Use Allen's Foot-Ease.
The antiseptic powder. Your feet feel uncomfortable, nervous and often cold and damp. If you have sweating, sore feet or tight shoes, try Allen's Foot-Ease. Sold by all druggists and shoe stores, 25 cents. Sample sent free. Address Allen S. Olmsted, La Roy, N. Y.

The British Government has decided to open a roads department, which will administer a fund on projected highway improvements of about \$3,000,000 during the first year of its existence.

Itch cured in 30 minutes by Woolford's Sanitary Lotion. Never fails. At druggists.

Careful Queen of Diamonds.
Alexandra of Great Britain is the one queen in Europe who has not lost or broken the family jewels. The British royal ornaments have been preserved with the greatest care, and the only change she has ever made is to have certain of the jewels in the big collection reset to bring them up to the more recent fashionable requirements. Alexandra has been devoted to jewelry, its care and collection ever since her marriage. She has each set embedded in a specially designed tray of white velvet, and before she retires each night, attends personally to locking the jewels in burglar proof vaults. The only other person who has a key to those vaults is the Honorable Charlotte Knollys.—New York Press.

Ants.
It was proved long ago that ants have the power of seeing the (to human beings) invisible rays of the ultra-violet portion of the spectrum. They fear the light for their larvae, and when allowed choice between different degrees of light always carry them to the darkest place accessible. When given the choice between a compartment lighted with yellow light and one dark to human eyes, but under the actinic ray, the ants unhesitatingly choose the yellow light, showing that to their eyes it is darker than the other, to man invisible.

Free to Our Readers.
Write Murine Eye Remedy Co., Chicago, for 48-page illustrated Eye Book Free. Write all about Your Eye Trouble and they will advise as to the Proper Application of the Murine Eye Remedies in Your Special Case. Your Druggist will tell you that Murine Relieves Sore Eyes, Strengthens Weak Eyes, Doesn't Smart, Soothes Eye Pain, and sells for 50c. Try It in Your Eyes and in Baby's Eyes, for Scaly Eyelids and Granulation.

Wise and Unwise Charity.
How often it is difficult to be wisely charitable—to do good without multiplying the sources of evil. To give alms is nothing unless you give thought also. It is written, not "Blessed is he that feedeth the poor," but "blessed is he that considereth the poor." A little thought and a little kindness are often worth more than a great deal of money.—Ruskin.

H. H. GREEN'S SONS, of Atlanta, Ga., are the only successful Dropsy Specialists in the world. See their liberal offer in advertisement in another column of this paper.

Great Guns Wear Out.
After about eighty shots the rifling of the present 12-inch gun of 2,500 foot-seconds velocity become so badly worn as to destroy the accuracy. In the case of the new 14-inch gun the erosion is much less and the gun will be serviceable for about three hundred discharges.

Mrs. Sophie Mayer of New York is the first woman lawyer to appear in the courts of Austria.

It is probable that the population of the earth has doubled since 1800.

METALLIC HEELS AND COUNTERS
For Miners, Quarrymen, Farmers and All Men Who Do Rough Work
Made of steel, but lighter than leather. Support the ankle. Outlast the shoe. Easy to attach. Any cobbler can put them on. Your shoe dealer has shoes already fitted with them.
Send for booklet that tells all about them.
UNITED SHOE MACHINERY CO., BOSTON, MASS.

PISO'S
is the word to remember when you need a remedy for COUGHS & COLDS
Worms

"Cascarets are certainly fine. I gave a friend one when the doctor was treating him for cancer of the stomach. The next morning he passed four pieces of a tape worm. He then got a box and in three days he passed a tape-worm 45 feet long. It was Mr. Matt Freck, of Millersburg, Lousipin Co., Pa. I am quite a worker for Cascarets. I use them myself and find them beneficial for most any disease caused by impure blood."
Chas. E. Condon, Lewistown, Pa. (Mills Co.)

Messant. Palatable. Potent. Taste Good. Do Good. Never Sicken, Weaken or Grip. 10c, 25c, 50c. Never sold in bulk. The genuine tablet stamped C.C.C. Guaranteed to cure or you' money back.

BROWN'S BRONCHIAL TROCHES
An immediate relief for Hoarseness, Cough, Sore Throat, Bronchial and Asthmatic Troubles. An article of superior merit, absolutely free from any harmful ingredients.
Price, 25 cents, 50 cents and \$1.00 per box. Sample mailed on request.
JOHN I. BROWN & SON, Boston, Mass.