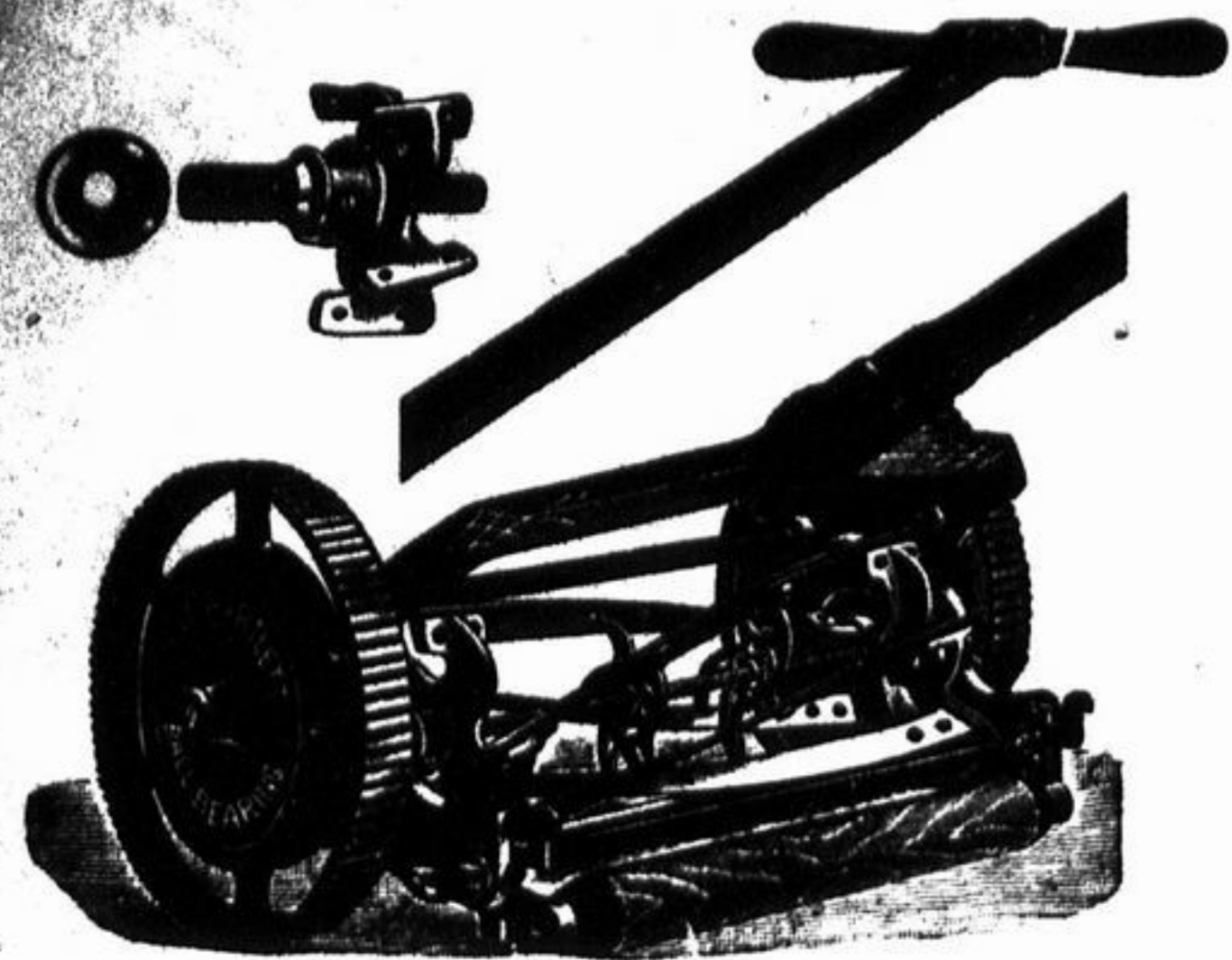


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The manurial value of foods corresponds to their nutritive value.

California raised a large potato crop in 1907, many farmers clearing from \$250 to \$300 per acre.

Stock-proof, time-wearing fences are the only kind. The worry they save is sufficient to make them well worth while.

The hen is a faithful advocate of advertising. If you don't believe it plan to be in the vicinity of the hen house about 9:30 a. m.

In a test at the Kansas experiment station it has been demonstrated that alfalfa and Kafir corn make the very best ration for the dairy cow.

The 500-pound fat hog is getting to be quite unsalable at the market. He is big in more ways than one. The local buyer will take him only on a big margin.

The man who keeps his troubles to himself is better thought of than he who burdens his neighbors with them. The neighbors have their own troubles to think about.

Five unemployed men of Monessan, Pa., recently left with their families for Portland, Tenn., where they will begin farming on the community plan. Other families are preparing to do the same thing.

It's like trying to break an old horse to new tricks to teach an old farmer after a lifelong use of ink and graphite, how to wag his hands properly over a typewriter to produce legible results. Some farmers are trying the trick.

Any man can afford to go to extra expense to get his corn land plowed early so as to give the weeds an opportunity to grow and in turn get them destroyed just before planting. Nothing will beat the disk as a weed destroyer.

Every man has his own way of raising hogs, but one of the worst ways is to allow a big bunch of sows to run together when the pigs are young. This results in so much stealing that the pigs are runt and it is hard on the old sows.

The feelings of regret that arise within the farmer who makes a test of his seed corn after it is shelled and finds that only 60 per cent of it will grow must be experienced in order to be understood. Words fail to describe them.

The matured mind is slow to grasp new ideas. It is in the youthful mind that the seeds of reform along any line can be best planted. It is for this reason that the work of our agricultural college extension departments in the common schools will bear such superior results over that done in the short courses and institutes. If the present generation of coming farmers is properly grounded in the principles of good farming, the change which will take place for improvement will be hard to imagine.

Treating Corn for Crows. The coal tar treatment of seed corn to prevent crows from pulling it up is recommended by those who have tried it. The method of application is given as follows: Take a convenient sized box or other vessel, in which place a peck or one-half bushel of corn at a time. Dip the end of a stick in a vessel of coal tar and stir the corn with this. If stirred thoroughly it will take very little tar. The grains do not need to be completely blackened, but even if this is done it will not injure the seed. After stirring in the tar completely a little dry ashes or dirt can be stirred in to prevent sticking of the grains if necessary. Crows or even hogs will not disturb corn that has been thus treated.

Worms as Planters. Many readers may recall the surprise they felt on reading Darwin's book on earthworms to find how the great naturalist had lent an irresistible charm to so apparently unimportant a subject. It led them to entertain a respect they had never previously felt for the humble borer in the earth. It now appears that earthworms must be regarded as useful otherwise than as simple cultivators and renewers of the soil. According to E. A. Andrews, they are the tree-planters also. They draw the flat seeds of the silver maple into their burrows, and such seeds, in districts too dry for them to germinate if left upon the surface, sprout from the worm holes, and grow into seedlings, which, under favoring conditions, may become flourishing trees.

Fate of the Unprogressive Farmer. The agricultural colleges are reaching 50,000 homes a year, the federal lecture courses a million people a year. What will the effect be in a generation or two? It is disappointing to have to record that the old-line farmers are remaining practically untouched by the new movement; but the new generation and the new West are quickly adopting scientific methods. One of the richest men in the West to-day is putting his daughter through the full four-year agricultural course that she may be able to manage the estate that will fall into her hands; and a foremost physician of Chicago, who has just bought a 75,000-acre farm in Mexico, is having his boy take not only the four-year university course, but a two-year post-graduate as well. What will happen to the old-line

HINTS FOR FARMERS.

The following is furnished by the Farm Journal, Philadelphia, Pa.:

THE POULTRY YARD.

The deadly louse is at work. Do not expect the stock to thrive without any green food.

June is a hot month; do not neglect the supply of fresh water.

Look out for rats. Do not allow them to have any hiding places near the coops.

Cut down the quantity of heating food in the ration, such as corn, and feed plenty of green stuff.

If you give your hens plenty of mixed feed, so arranged that they can sort it over, they will balance their own ration.

Placing slatted racks over the water troughs is a good way to keep the festive ducks from wasting their drinking water.

Put everything drinkable into shallow vessels. Fix it so that the chicks can drink and still not get their feet into the water or milk.

Don't be afraid to give the chicks all the sour milk they will eat. Good for them. If there is anything better I have never found it.

Are your chicks bothered with gapes? Well, spade up a portion of the yards each morning and induce the chicks to burrow in the freshly turned earth, rather than to allow them access to the rotten wood yard, where the trouble lies.

Now is the time when the roosts of most hen houses are more or less alive with the terrible little mites. In kerosene we have a cheap and never-failing remedy. Soak the roosts with it from time to time; or, still better, spray it all over the inside of the building, reaching every crack and crevice. It kills wherever it touches, and the treatment will save much suffering to the poor fowls, and money for the owner.

THE SCIENTIST HELPING THE FARMER.

The Farmer Judge of Springfield sees the True Way of Agricultural Progress.

They have taken hold of the arm of the scientist and are studying along with him. The scientist is the only man on earth who demonstrates; therefore he is the only man who knows absolutely what he is talking about. Nature works by law, and you can rely upon that law.

NEVER SATISFIED WITHOUT THE "WHY."

It is the business of the scientist to teach us "why." Nobody has ever been satisfied until he has learned why, and nobody ever does very good work at a business until he has learned the why. Why? And here we have in Illinois a great agricultural department made possible by the national government, sustained and supported with marvelous loyalty by our State authorities, to teach us why. Any man in Illinois can learn what his soil lacks to restore it to its original fertility. It won't cost him anything to do it. Now is not that worth doing?

A NEW PAGE IN HISTORY.

There is no country on earth where the hand of man has tilled the soil long and continuously that he has not ruined it. And if we here in America shall teach the world how to use the land without abusing it we will have written a new page in history. We will have made ourselves a name that will live forever, not only as agriculturists, but in the history of the progress of the world. Why not do it?

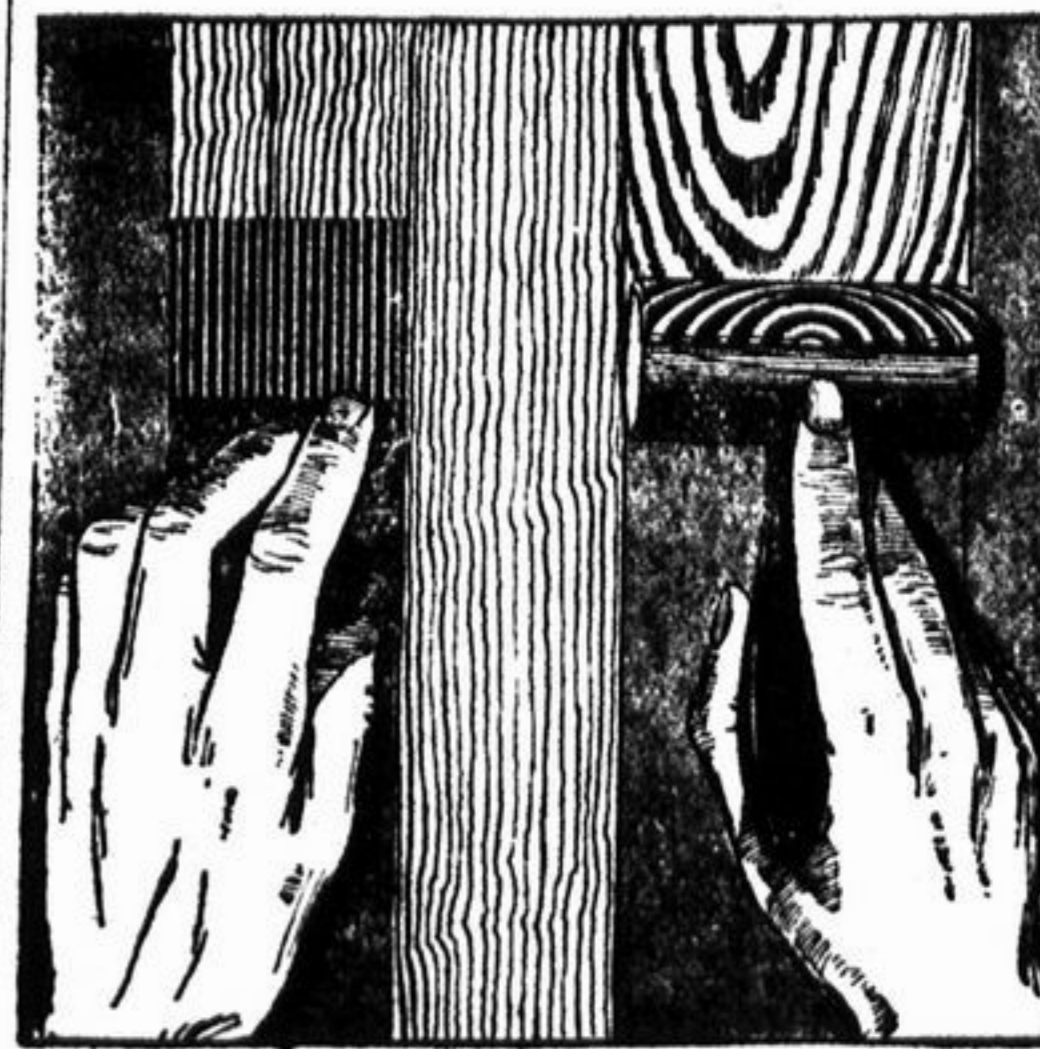
I tell you we are just playing with the business of farming; we have not begun to do business yet; we don't know what a heritage we have here. It is the youth of the land that must make this development. The professor is on the right track; teach it to the children! Teach it to the children! That is where the power of the nation resides; the schools of Illinois will make the thing go. Sooner or later we will get these great subjects drilled into the children of the day.—Judge J. Otis Humphrey, of Springfield, addressing the Illinois Farmers' Institute.

DITCHING THAT EDUCATES.

Over at Champaign there is an Irish ditch digger. He digs ditches so well that the farmers pay him two prices for his work, and what a farmer pays two prices for is pretty good stuff. He is an old man and does not need to work. When asked why he still digs ditches, he said, "I can't find any man who will dig to suit me. There is more in digging ditches than just putting mud out of a hole." He was throwing in a tile and it did not lay just straight. He took out the tile and scooped up a place so as to lay it in a perfect line. He was asked why he didn't let the tile go? He replied that the water might go through it in a way, but that it would not go through it right. "When I go home at night and lie down on my bed I can see the water running through every tile I ever laid, and if anything was wrong I couldn't sleep good, so I lay them right." That is a man whose work has educated him. That man or woman and only such character, who, when he has anything to do, sets to work at once to find out the laws by which the deed can be done and makes the action correspond to the law just as closely as possible. Find out the right laws by which the deed can be perfectly done.—William Hawley Smith, addressing the Illinois Farmers' Institute.

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Similar low rates to hundreds of other points west and northwest. If you have never seen the rich irrigated farming districts of Montana and Wyoming you should join one of our personally conducted excursions the first and third Tuesdays of each month to the Yellowstone Valley and the Big Horn Basin.

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