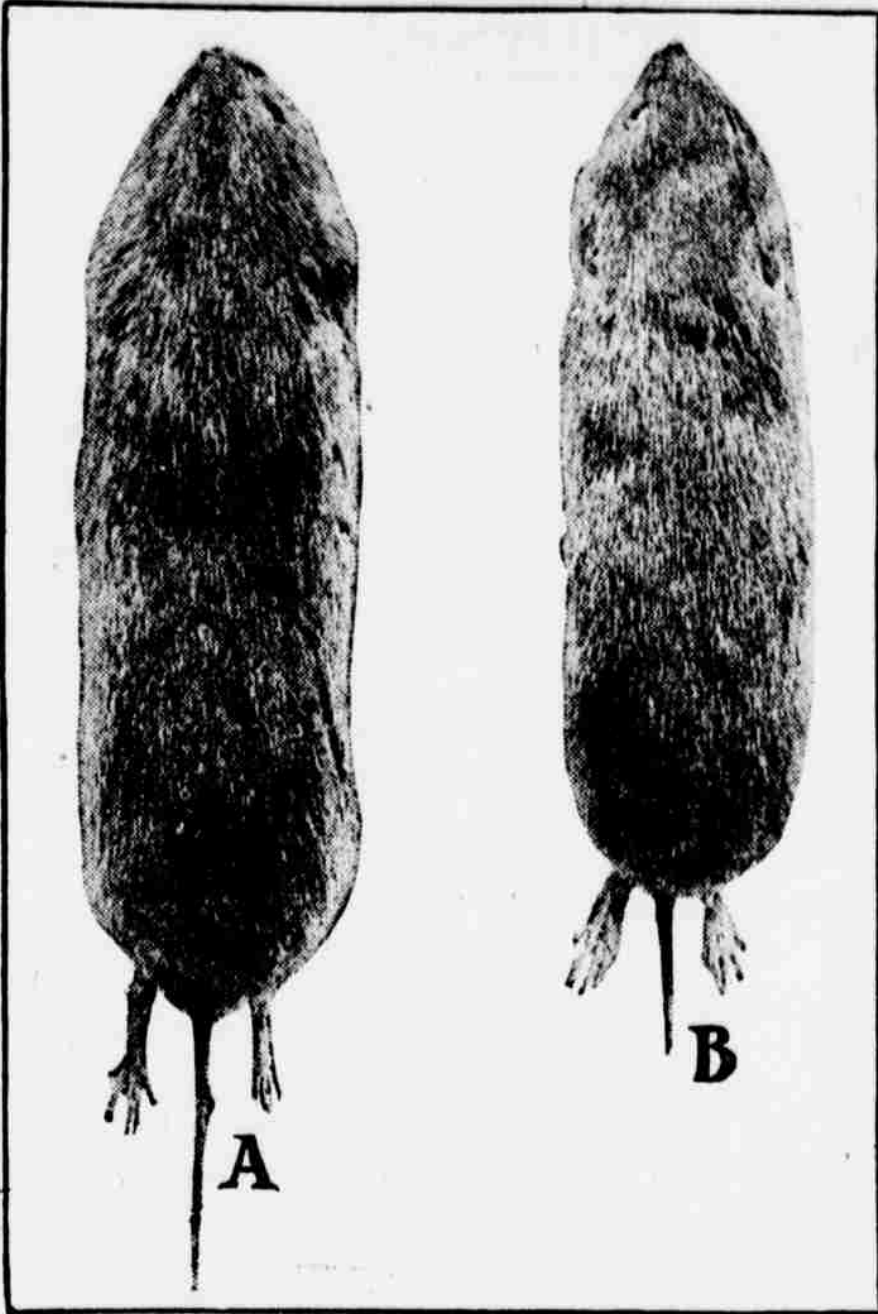


RID FARM OF INJURIOUS FIELD MICE



Field Mice—A, Meadow Mouse; B, Pine Mouse.

(Prepared by the United States Department of Agriculture.)

Field mice, under certain conditions, may become extraordinarily abundant, and, as they are injurious to most crops, methods for controlling them are of importance. Unfortunately most of their natural enemies are being destroyed or driven away from the farms, so that these mice are becoming more and more of a serious pest.

Altogether there are some fifty species of field mice known to exist in the United States, but for the farmer who is concerned only with getting rid of them there are only two classes—meadow mice and pine mice. The runs of meadow mice are mainly on the surface of the ground, under grass or some sheltering litter. These runs lead to shallow burrows which serve as winter homes. In summer the mice use surface nests of dead grass. The young may be brought forth in either meadow mice destroy grass, cut down grain, clover and alfalfa, eat grain left standing in shocks, injure flowers and vegetables—in short, do harm in a hundred ways. In the lower Humboldt valley in Nevada in 1907-1908 they totally ruined 18,000 acres of alfalfa. Trees and shrubbery are also attacked and large nurseries of young apple trees have been known to have been almost wholly destroyed by the mice cutting through the bark at or below the surface of the ground.

When the mice completely girdle a shrub or young tree and eat through the inner layer of the bark, the action of the sun and wind soon complete the destruction of the tree or shrub. If the injury is not too extensive, prompt covering of the wounds will usually save the tree. In any case of girdling, heaping up fresh soil about the trunk so as to cover the wounds and prevent evaporation is recommended as the simplest remedy. To save large, valuable trees, however, bridge grafting is often resorted to.

Pine mice ordinarily live in the woods and are not, therefore, found on the open plains, though they like land that is not frequently cultivated. They tunnel their way from fence rows, sedges and woods into gardens and cultivated fields, where they live on seeds, roots and leaves. Like meadow mice, they also destroy fruit trees, particularly in upland orchards. They attack the trees below the surface, so that their work is frequently not revealed until the tree is dead.

Means of Extermination.
When the mice, both meadow and pine, are in small numbers, trapping is probably the easiest method of getting rid of them. From 12 to 20 traps to an acre may often be set with advantage in the mouse runs. Where the mice are abundant or the areas large, poisoning is a quicker means of extermination. The following formulas are recommended in Farmers' Bulletin 170 of the United States department of agriculture:

Dry Grain Formula.
Mix thoroughly one ounce powdered strychnine (alkaloid), one ounce powdered bicarbonate of soda and one-eighth ounce (or less) of saccharine. Put the mixture in a tin pepper box and sift it gradually over 50 pounds of crushed wheat or 40 pounds of crushed oats in a metal tub, mixing the grain constantly so that the poison will be evenly distributed.

Dry mixing, as above described, has the advantage that the grain may be kept any length of time without fermentation. If it is desired to moisten the grain to facilitate thorough mixing, it would be well to use a thin starch paste (as described below, but without strychnine) before applying the poison. The starch soon hardens and

fermentation is not likely to follow. If crushed oats or wheat cannot be obtained, whole oats may be used, but they should be of good quality. As mice hull the oats before eating them, it is desirable to have the poison penetrate the kernels. A very thin starch paste is recommended as a medium for applying poison to the grain. Prepare as follows:

Wet Grain Formula.
Dissolve one ounce of strychnine sulphate in two quarts of boiling water. Dissolve two tablespoonfuls of laundry starch in one-half pint of cold water. Add the starch to the strychnine solution and boil for a few minutes until the starch is clear. A little saccharine may be added if desired, but it is not essential. Pour the hot starch over one bushel of oats in a metal tub and stir thoroughly. Let the grain stand overnight to absorb the poison.

Distributing Poisoned Grain.
The poisoned grain prepared by either of the above formulas is to be distributed over the infested area, not more than a teaspoonful at a place, care being taken to put it in mouse runs and at the entrances of burrows. Small drain tiles, 1½ inches in diameter, have sometimes been used to advantage to hold poisoned grain, but old tin cans with the edges bent nearly together will serve the same purpose.

Field mice may also be driven away by thorough cultivation of fields and the elimination of fence rows. In the case of trees, clean tillage and the removal from the neighborhood of weeds and grass will prove an effective precaution.

Finally, the farmer should remember that there are many animals, birds and snakes around the farm which do little or no harm, and are most useful in keeping down the numbers of field mice. Among these owls deserve special notice. Mice are the chief diet both of the short-eared and the barn owl. The common screech owl destroys English sparrows as well as mice. It stays close to orchards and farm buildings and is, therefore, a useful assistant.

TREATMENT FOR HOG VERMIN

Wise to Have Dipping Tank and Use It on All Stock, Whether They Need it or Not.

Lice on hogs are treated: By getting the animal in a corner and scrubbing him with an old broom dipped in crude oil.

By pouring kerosene on his back with a can (this kills the lice and often pretty near kills the porker).

By hanging a blanket saturated with crude oil in a gap through which the hogs must pass, thus oiling them automatically.

By setting up a manufactured device which gives the animals an oiled surface against which to rub.

Most Poisonous Weed.
Wild parsnip or water hemlock is one of the most deadly poisonous plants that grow in the fields or open range country.

SOME QUEER STUNTS DONE BY LIGHTNING

Drives Nails Bowls Over Men, Makes Children Speechless and Burns Clothes.

Frederick, Md.—Three persons lost their speech for a quarter of an hour, two were knocked unconscious and one was stunned early the other morning when a bolt of lightning struck the home of Preston Gernand, Myersville, this county.

The same bolt burned holes in bed clothing, drove nails in the kitchen cabinet as neatly as if they had been driven with a hammer and completely demolished the furnishings of two



Bowled Gernand into the Yard.

rooms, one a bed chamber and the other a kitchen. Those rendered unconscious:

Mrs. Henry Gernand, Tallahassee, Fla., professional vocalist, and sister-in-law of Preston Gernand; Preston Gernand, owner of the property. Mrs. Preston Gernand was stunned.

Two hours after the bolt had struck the home the entire family had fully recovered from the shock. The lightning did not fire the residence. The lightning struck the chimney of the Gernand home, passed through the bedroom of the three Gernand children, burning the bed clothing and rendering the children speechless.

From the bed chamber the bolt passed through the floor into the kitchen. There Mrs. Gernand and her sister-in-law, Mrs. Harry Gernand, were seated waiting for the storm to pass over. On the outside of the building sat Gernand on a chair. The lightning extinguished the light, knocked the two women to the kitchen floor and bowled Gernand from his chair into the back yard half a dozen feet away, where he lay unconscious.

Mrs. Gernand recovered and lighted a lamp. Her sister-in-law was unconscious, and she found her husband lying on the ground in the yard. Mrs. Gernand summoned a farm hand and sent him for a physician several miles away. The family had partly recovered when the physician arrived.

SO HE TOOK THE CAT HOME

Man is Awakened by a Meowing Cat Just in Time to Escape Train.

Zion City, Ill.—When Theodore Dwyer reached his home in Zion City after a visit to an aunt in Covington, Ky., he carried a black cat under his arm.

"Most wonderful cat I ever saw," explained Dwyer. "I see I dreamed I was in a barber shop. The barber's chair and the head rest were as hard as a brick. And the barber was using a huge shaving brush, almost a foot square it seemed. And then the barber's cat commenced meowing. It hollered so loud it woke me up."

"Then I found the barber's chair was a railroad tie. Instead of a head rest my head was resting on a rail. This darned black cat was meowing at the moon and rubbing her side against my cheek. She woke me up. I grabbed her and jumped off the track just as an express train thundered by. 'Cat,' I says, 'come along with me. You've saved my life.' My aunt told me I ought to bring her home and I did. That was the closest shave I ever had in my life and this is the shaving brush."

QUEER LETTER OF SUICIDE

Brooklyn Man Explains Why He Did Not Leave All His Money to Government.

New York.—A young man who registered at the Hotel Atlan, 159 West Thirty-fourth street, as H. Henry of Brooklyn, committed suicide there by shooting himself in the right temple. He died at Bellevue.

He left a dollar bill marked "For the elevator man," and a note addressed to "The Judge," saying: "You do not see why I shot myself, and you never will know why. Who am I? That is of no importance to you. I thought I would give all my money to the government, but it would be foolish because it is very rich, so I gave it to people that need it more. Please do not bother the owner of this hotel. I think I have done what God commanded me to do. Be good to your country and kind to human beings."

DO YOU NEED =HELP=

FOR THE APPETITE FOR THE DIGESTION FOR THE LAZY LIVER FOR CLOGGED BOWELS

= TRY = HOSTETTER'S STOMACH BITTERS

It is a tonic, appetizer and stomach remedy of well known merit GET THE GENUINE

Saffron Beam.
"I fear that you are inclined to look on your fellow man with a jaundiced eye," remarked the altruist.
"It isn't my fault," said the pessimist. "My fellow man shows on an average such a broad yellow streak that the reflection has affected my vision."

ONLY A FEW PIMPLES

But Many More May Come if You Neglect Them. Try Cuticura Free.

Cuticura Soap and Ointment are most effective in clearing the skin of pimples, blackheads, redness, roughness, itching and irritation as well as freeing the scalp of dandruff, dryness and itching, besides satisfying every want of the toilet and nursery.

Sample each free by mail with Book. Address postcard, Cuticura, Dept. Y, Boston. Sold everywhere.—Adv.

Picked a Real American Name.

A somewhat unpatriotic little son of Italy, twelve years old, came to his teacher in the public school and asked if he could not have his name changed.

"Why do you wish to change your name?" the teacher asked.

"I want to be an American. I live in America now."

"What American name would you like to have?"

"I have it here," he said, handing the teacher a dirty scrap of paper on which was written "Patrick Dennis McCarty."

Exposed.

"And you say you can't imagine how you got your attack of hay fever?"
"Can't account for it now, do—but, say, come to think, I did run a risk. I sat next to a girl in a car who carried a copy of 'When Knighthood Was in Flower,' and I suppose I got a sniff of the pollen."

How Did She?

"You can't tell me that woman believed your story about being a gentleman in reduced circumstances," said one weary hobo.

"Yes, she did. She told me so."
"How did she come to give you a knife to eat your pie with then?"

Fresh Stuff.

"I like a summer resort which has old legends attached to it."
"Current gossip is good enough for me."

His View.
Optimist—What do you consider the greatest thing that ever happened?
Pessimist—It hasn't.—Puck.

CURED OF BRIGHT'S DISEASE.

Mrs. A. L. Crawford, Medfield, Mass., writes: "Dodd's Kidney Pills cured me of Bright's Disease, and I am healthy and strong to-day and have been blessed with good health ever since my cure. When the doctors pronounced my case Bright's Disease I was in such a serious condition that they could not do anything for me. I kept getting worse. My limbs from my ankles to my knees swelled and my eyes were so swollen that I couldn't see. As a last hope I thought I would give Dodd's Kidney Pills a trial. I gradually improved and kept on taking them and they cured me thoroughly."

Dodd's Kidney Pills, 50c per box at your dealer or Dodd's Medicine Co., Buffalo, N. Y. Dodd's Dyspepsia Tablets for Indigestion have been proved 50c per box.—Adv.

Fame is a bubble, but it is just as well to allow someone else to blow yours for you.



The General says:
When you find this label on a roll of Asphalt Roofing it is guaranteed by its maker who knows how well it is made. Your own local dealer will tell you all about the responsibility that stands behind our guarantee on

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The guarantee of 5, 10 or 15 years for 1, 2 or 4 ply Certain-teed is backed by the largest Roofing and Building Paper Mills in the world. This roofing has given excellent service on all classes of buildings for years and years. It costs less and gives a better service than metal roofing, wood shingles, and many other types of roofings. Certain-teed Roofing is sold all over the country are outliving the period of the guarantee.

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Will Clear \$1.00 Worth of Land



Get rid of the stumps and grow big crops on cleared land. Now is the time to clean up your farm while products bring high prices. Blasting is quickest, cheapest and easiest with Low Freezing Du Pont Explosives. They work in cold weather.

Write for Free Handbook of Explosives No. 69F, and name of nearest dealer.
DU PONT POWDER COMPANY
WILMINGTON DELAWARE

DIDN'T "RAISE" THE CHICKENS

But Evidently Dealer Hadn't Quite Comprehended Question Asked by His Customer.

Here is a little story that was told by Congressman William C. Adamson of Georgia when the conversation turned to natural misunderstanding:

A young housewife who lives in a suburban town went to the village store to make some purchases. "These chickens look very nice," remarked the customer, pausing before the poultry counter. "How much are they?"

"One dollar apiece, madam," was the prompt response of the obliging proprietor. "You can't find better poultry for the money in the whole country."

"One dollar," thoughtfully mused the customer, and then added: "Did you raise them?"

"Oh, no, madam!" was the hasty assurance of the misunderstanding storekeeper. "That is the same price I offered to sell them for yesterday."

Isn't It So.

"What in the world made you marry him so long as you don't love him?"
"Oh, that is the easiest way I know of to get rid of a man."

The brakemen often follow instructions too closely. Some men should be permitted to forget their "packages."

Hardly Complimentary.

A New England housewife one afternoon received a call from a hobo to whom that morning she had given some doughnuts.

The knight of the road doffed his ragged headpiece and with great civility addressed her thus:

"Madam, this morning you gave me three doughnuts. Would it be asking too much to request a fourth?"

"I'll be glad to give you another," said the woman, as she prepared to wrap one in a newspaper. "So you like my doughnuts, do you?"

"It isn't that, madam," explained the hobo. "You see, some friends of mine down in the meadow wish to have a game of quolts."

No Need to Worry.

"Say, do you know I was fearfully embarrassed last night when you introduced me to Mrs. Rich. Do you suppose she noticed my clothes needed pressing?"
"I'm sure she didn't. She never notices anything unless it's out of the ordinary."

Deep Voice.

"Why do you call your cat Carmen?"
"She's a contralto."—Louisville Courier-Journal.

Few men are able to appreciate getting the short end of a joke.

Some office holders get up and howl about the burden of holding a political office, but never think of resigning.

"DEAR MOTHER:— A good thing to send would be a package of Grape-Nuts, or something of that kind that is not expensive or heavy and is of good food value. Your son, WILL."

From a Canadian soldier at the battle front; reprinted from the Renfrew (Ont.) Journal.

Wherever hardships are endured, wherever big deeds are accomplished, there a food is demanded that provides maximum of value in brain- and body-building material with minimum of bulk.

In this respect no other food equals

Grape-Nuts

In building the Panama Canal thousands of brain workers as well as brawn workers kept themselves fit and in trim by eating Grape-Nuts dry from the package.

Not only does Grape-Nuts supply all the brain- and bone-building, nerve- and muscle-making elements of choicest wheat but also the rich nutriment of malted barley.

Grape-Nuts is highly concentrated nourishment in compact form—always ready, crisp and delicious—thoroughly baked and packaged to keep indefinitely, anywhere.

Wherever time is precious and sound nourishment vital you'll find Grape-Nuts.

"There's a Reason"

Sold by Grocers everywhere.