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(Compiled by Jay V. Fike, Superintendent of Schools of Clarke County, Washington, and consisting of 85 pages,) will assist Eighth Graders to pass the State examination. It contains seventeen full sets of State questions used during the past seven years. Teachers and pupils should EACH have a copy for review work before taking examination. These booklets are for sale by County Superintendent Fike at his office, or will be sent postpaid upon receipt of 35 cents per copy by addressing

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was too obliging.

Fresh from the lecture on politeness the street car conductor went on duty resolved to extend courtesy to all. From the car barns up to 99th street he put his resolution into effect. He assisted the feeble and heavy-laden, he smiled serenely under unmerited abuse and he hurried no one unduly. At 98th street he noticed that a woman in the middle seat was preparing to leave the car at the next corner. The child beside her was too big to cause her any particular trouble in alighting, but the conductor had been pleased with the way the woman smiled upon the child, so he hurried forward to help.

The woman stepped down first and the conductor, with one sweep of his arm, set the child down beside her. His signal to go on was followed by a scream, then another and another. "Boo hoo," howled the boy, and "My child! Bring my child back here," cried a woman in the car. Half a block further along the car stopped.

"He isn't mine," gasped the woman when she and the boy had caught up with the car. "I only just smiled at him."—New York Sun.

Do It Now.

I expect to pass through this world but once. Any good thing therefore that I can do, or any kindness that I can show to any fellow creature let me do it now. Let me not defer or neglect it, for I shall not pass this way again.—Edward Courtney.

Well Guessed.

"Tommy," said the teacher, "how do they ascertain the measurement of a vessel?" "I guess they measure it with a navy yard," was the unexpected reply.

Quills and Their Uses.

Quills are things that are sometimes taken from the pinions of one goose to spread the opinions of another.

Truth Eternal.

Truth, like genuine gold, will always bear the touchstone, and appear the brighter the more it is examined.

MEXICAN MUSTANG LINIMENT

SAVES POULTRY LOSS.

Mrs. N. Warren, Seattle, Wash., writes: "My flock of chickens had Roup and upon advice of a friend I tried Mustang Liniment. I find it a wonderful remedy and my birds are improving fast. I am sure that I shall not lose any. I am very grateful and will tell my friends it is not safe to be without Mexican Mustang Liniment." 25c. 50c. \$1 a bottle at Drug & Gen'l Stores

METHODS FOR ERADICATING INJURIOUS BITING INSECTS

Constant and Concerted Warfare Must be Made Against Little Pests—Arsenate of Lead May be Purchased Ready Prepared and Is Quite Convenient to Use—Other Recipes.

(By GLENN W. HERRICK, Mississippian.)

There are many kinds of insects that pester the farmer and fruit grower and all of them, taken together, may be divided into two great groups dependent upon the kind of mouth parts they have and the manner in which they attack plants. The insects of one group have jaws and bite off bits of plants and swallow them. They are known as the biting insects. The members of the second group have a bill or sucking tube which they insert into the tissues of plants and suck out the juices. These are the sucking insects.

The grasshopper is a familiar example of the first class of insects, for it has biting mouth parts, composed of two pairs of jaws, one of which is hard and black and easily seen with the eye. With these jaws the grasshopper bites off pieces of leaves, stems, etc., and swallows them much as a cow or horse would do. Very many insect pests have biting mouth parts like the grasshopper and eat parts of plants. For example, the caterpillars, or "worms," on cotton, tomatoes, cabbage, etc., the June bugs, fig-eaters, potato bugs, etc. All such insects are known as the biting insects.

It is plain that an insect that bites off pieces of leaves and swallows them stands a relatively high chance of being killed by putting some poisonous substance upon the leaves before they are eaten. It is absolutely necessary to know what kind of an insect is causing the injury—whether it is a biting or sucking insect. This is the first point to determine.

Probably Paris green is one of the best known poisons for biting insects. It is rather expensive, difficult to buy unadulterated and is quite liable to burn the foliage of plants if applied too strong.

It can be applied dry as follows: 1 pound of Paris green, 25 pounds of slaked lime or flour. The two should be thoroughly mixed and may be sifted on the plants from a thin muslin sack, preferably in the morning while the dew is yet on.

Paris green may also be applied in water, which we believe is a better method than the dry one for most plants. Quick lime is added to prevent burning of the foliage and the poison is used in the following proportions:

1 pound of Paris green, 200 to 300 gallons of water, 3 pounds quick lime. Slake this lime in a little water and add the Paris green. Stir thoroughly



The Way the Female Grasshopper Places Her Eggs.

and then add the proper amount of water—for potatoes 200 gallons of water, and for peaches 300 gallons.

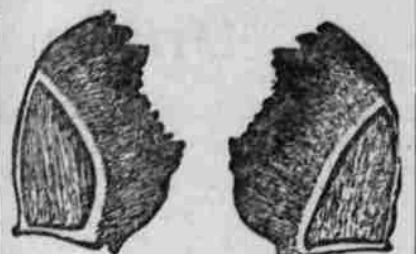
Arsenate of lead is a combination of arsenic and acetate of lead and is better than Paris green, because it sticks to the foliage better, will not burn the leaves, and remains in suspension longer. It can be made as follows:

11 ounces acetate of lead (white sugar of lead), 4 ounces arsenate of soda, 60 gallons water. Dissolve the acetate of lead in 4 quarts of water and the arsenate of

soda in 2 quarts of water. Pour them together, mix thoroughly and then dilute with 50 gallons of water. It is then ready to use at once.

Arsenate of lead can be bought ready prepared and is very convenient to use. It should be used at the rate of 4 to 6 pounds of the arsenate of lead to 100 gallons of water. White arsenic is cheap, easy to get, and is not often adulterated. Therefore, when it is combined with lime or sal soda to prevent burning of the foliage, it is a most satisfactory insecticide.

It may be prepared as follows: 1 pound white arsenic, 4 pounds quick lime, 4 gallons water. Boil the lime and arsenic together in the water for half an hour and then



The Biting Jaws of a Grasshopper.

dilute with 200 gallons of water for spraying.

Arsenate of lime may also be prepared by boiling two pounds of white arsenic and eight pounds of sal soda in two gallons of water for 15 or 20 minutes, or until the arsenic and soda are dissolved. This constitutes a stock solution which may be kept in a sealed jug for a long time. When ready to spray, slake two pounds of quick lime, take one pint of the stock solution and mix them both with 40 gallons of water.

SEASON WOOD BY ELECTRICITY

Method as Pursued in France Described in British Technical Paper—Does Work Well.

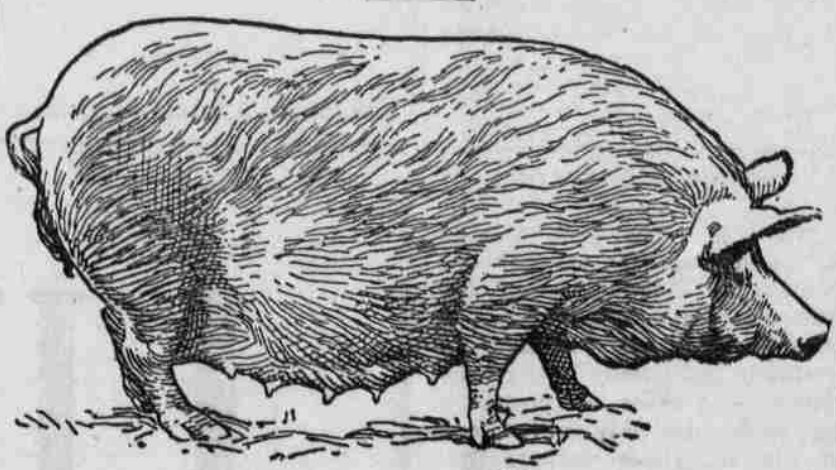
The following item from a British technical paper concerns a new process of seasoning wood by electricity in France:

A large tank is filled with a solution containing 10 per cent. of borax and 5 per cent. of resin, with just a trace of carbonate of soda. In the bottom of the tank is a lead plate which is electrically connected to the positive pole of the dynamo. The timber to be treated is stacked on this plate, and when the tank has been filled another plate is superimposed and connected to the negative pole of the dynamo. When the current is switched on it passes through the stack of wood between the two plates, and in its passage it is said to deposit borax and resin in its place, completely filling up all pores and interstices. When the process is completed the timber is removed and dried, after which it is ready for use. It is claimed that the timber submitted to this treatment, no matter how green it may be, becomes completely seasoned.

Protect the Silo.

Wherever possible the silo should be located in a sheltered place, as it has a great bearing on the extent to which the silage will freeze. A silo that is built on the west side of a barn, where it is exposed to the coldest winds, even if it is built with dead air spaces, will freeze more than one built of solid concrete if it is sheltered.

TAMWORTH ADAPTED TO BACON



The Tamworth hog is not as popular in the United States as it deserves. A few pigs of this breed were brought over from England about 30 years ago, but until the last three or four years it was not regarded favorably.

The appearance of the Tamworth is somewhat against it. Its rather long head does not impress farmers favorably, and there is a general belief that it costs more to bring a Tamworth to maturity than almost any other type. Experiments show, however, that this claim is based mainly on prejudice, for the Tamworth in Canada has proven itself to be an excellent and economical feeder. This breed is especially well adapted

to bacon, because of its light shoulder, its length of side and a tendency to produce a greater portion of lean meat than many other breeds.

When the Tamworth is crossed on breeds of more fattening tendencies, and with finer bone, say the Berkshire, it makes an excellent bacon hog. It is claimed by some breeders that the Tamworth is the best bacon hog in existence, but this may be taken with a grain of salt.

Damage by Rats.

The rat family came over to this country in the Mayflower, and it now costs the people of the United States \$100,000,000 a year to feed the tribe.

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Middle Course Difficult.

To see the good nowhere—that is pessimism, and this is easy. To see the good everywhere—that is optimism, and this is not difficult. But to find the good somewhere—that is sobriety, and this is no wise easy. —Ivan Panin.

Was in the Tolls.

"Gee! Now tell me as man to man what you would do if you were married to that woman." "You tell me what you would do; I am married to her."—Houston Post.

FACTS ABOUT BLUING.

Since the placing of RED CROSS BALL BLUE on the market there has been a rapid falling off in the sales of all liquid bluing. Why buy water containing a small percentage of bluing when you can get a solid package and dissolve it as needed. Makes clothes whiter, lasts longer, and is cheaper. Large package, 10 cents. **ASK YOUR GROCER.**

Circumlocution.

"I am inclined to think," said the man who speaks with firmness though with caution, "that our friend Mr. Grafton Grabb was created on the Sabbath."

"For what reason?" "We are told that an honest man is the noblest work of the Creator, and also that on the seventh day the Creator rested."

Always Friendship.

In the hour of distress and misery the eye of every mortal turns to friendship; in the hour of gladness and conviviality, what is our want? It is friendship.—Walter Savage Landor.

Do you ever have Headache, Toothache, or Earache? Most people do. Hamlin's Wizard Oil is the best household remedy and liniment for these everyday troubles.

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Albumen is made from blood secured at the packing houses and used for setting the colors of printed fabrics. Ashes from the hickory and cobs used in smoking meats are used for fertilizer. Certain hard bone is ground up and used for case hardening steel. In this process the steel implement is heated while immersed in the powdered bone. Glue is made from the hoofs and sinews of animals.

Pettis Eye Salve

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Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

Selfish Interest.

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No Credit to Him.

"I don't believe he ever deceived anybody but himself." "Well, that's probably because he has found himself so easy."

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about the unhealthy condition of your stomach, liver and bowels? If so, you only make matters worse. Just get a bottle of

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