

INJURIOUS INSECTS

And Common Farm Pests and Their Remedy.

Department of Agriculture.

There is no subject of more importance to the farmer at the present moment than to be informed how to deal with his natural enemies, and to grapple with his annual and other foes in the most effective and economical manner.

The clover-rot borer is best treated by a short rotation and the ploughing down of infested fields as soon as there is a pretty good growth after the hay has been cut. The best remedy for the green clover fly is early cutting.

Among roots and vegetables, cabbage worms are a common enemy of the market gardener, but they can be exterminated by dusting with pyrethrum (which is insect powder) and lime or some other dry diluting substance.

In turnip fields dust with one pound of Paris green and with 50 pounds of flour, hard plaster, slaked lime, or any other equally dry powder.

For root maggots of cabbages, cauliflower and onions, many experiments have been tried with more or less success. On cauliflower and cabbages Dr. James Fletcher, the Dominion Entomologist, has secured the best results by using the Gough tar-paper discs. For the other crops carbolic mixtures have proved of greatest promise.

The best remedies for turnipaphis are spraying with kerosene emulsion or whale-oil soap solution one pound in six gallons of water, at the time colonies first appear in August; also ploughing down deeply the tops as soon as out from the roots as eggs are found to be laid upon those in large quantities.

The pear leaf blight mite can easily be kept down by the use of the lime salt, and sulphur spray used in winter, but it is difficult to exterminate, and will reappear if spraying is neglected.

For the mealy plum aphid spray with whale-oil soap and quassa—one pound of soap in eight gallons of water.

The red turnip beetle attacks turnips, radishes, and the like, and the best remedy is to spray or dust the plants attacked with arsenical poisons in the same way as for the Colorado beetle.

For the asparagus beetle spray with either kerosene emulsion or whale-oil soap.

Potato Enemies.

For scab in potatoes soak the tubers either for two hours in a solution of eight ounces of commercial Formalin (Formaldehyde), in fifteen gallons of water, or for one hour and a half in a solution of two ounces of corrosive sublimate in sixteen gallons of water. When dry cut up for planting. Formalin has the advantage of being neither poisonous nor corrosive. Corrosive sublimate is a fatal poison if taken internally, and it also corrodes metals. The solution should, therefore, be made in wood-ens or glazed vessels. All treated seed should be planted, and any solution left over should be poured into a hole in the ground.

For flea-beetle in potatoes mix four pounds of bluestone, four pounds of unslaked lime, four ounces of Paris green, and add to 40 gallons of water. Dissolve the copper sulphate (by suspending it in a wooden or earthen vessel containing four or five or more gallons of water). Slake the lime in another vessel. If the lime, when slaked, is lumpy or granular, it should be strained through coarse sacking or a fine sieve. Pour the copper sulphate solution into a barrel, or it may be dissolved in this in the first place; fill the barrel with water, add the slaked lime, fill the barrel with water and stir thoroughly. It is then ready for use. A stock solution of copper sulphate and lime wash may be prepared and kept in separate covered barrels throughout the spraying season. The quantities of copper sulphate, lime, and water should be carefully noted.

For potato-rot use six instead of four pounds of copper sulphate.

Hessian Fly.

The remedies for Hessian Fly are late sowing, the burning of all refuse either during winter or before spring, ploughing down the stubbles deeply as soon as possible after the crop is cut, so as to place the delicate flies, when they emerge, cannot reach the surface; or to run a harrow over the fields as soon as the crop is cut, so as to start the volatile crop, or ploughing and dropping in harvesting and induce a growth of wheat on the field sooner than otherwise would be the case; but when it is found that a young crop of fall wheat is only lightly infested, it is possible to stimulate the growth of the plants by a light application of nitrate of soda. The wheat-stem maggot may be remedied in the same way.

The best remedies for checking the increase of the wheat-stem sawfly are the burning of stubbles, or ploughing deeply of all stubbles. On straw, which is not used by the following spring, and summer-fallowing in June every other year.

If the weeds have not been treated for pea-weevil, fumigate with carbon bisulphide as soon as possible after the peas are ripe.

For the pea-moth add one pound of Paris green to one hundred gallons of water and one pound of whale-oil soap to every twenty-five gallons of the mixture, and spray.

Fighting the Cut-Worm.

For the variegated cut-worm, the parent moth of which in England is known as the "pearly under-worm," Dr. Fletcher has found either of these remedies successful: The banding of freshly set out annual plants with rings of paper or tin, or the poisoning of the caterpillars either with traps of fresh vegetation tied in bundles and, after being dipped in a mixture of Paris green and water, or other poison distributed at short intervals over infested land, when the cut-worms appear. A modification of this remedy which has given the greatest satisfaction in British Columbia during the past season is known as the "poisoned bran" remedy. This was first used successfully on a large scale some years ago in California as a remedy against grasshoppers in vineyards, since which time it has come more and more into use, owing to its efficiency and the ease with which it can be prepared and applied. This mixture consists merely of bran, moistened with sweetened water, and Paris green, mixed in the proportion of one pound to 50 pounds of bran. In making this mixture the most convenient method is to dampen a small quantity with the sweetened water, a few ounces of sugar in a peck of bran, and then add more dry bran until the mass is almost dry again. If the Paris green is added to the bran without dampening it, it sinks with remarkable

The time

to fight consumption, with Scott's Emulsion of cod-liver oil, is long in advance. If it threatens, you can resist; and you may overcome it.

Don't be afraid; be brave. But tackle it; don't waste time.

Send for free sample and try it.

SCOTT & BOWNE, CHEMISTS, TORONTO.

True to His Word.

(N. Y. Sun.)

Wife—I had known that you would refuse to let mamma come and visit us, I should never have married you.

Husband—Well, didn't I tell you that I loved you for yourself alone?

Wife—And bear it. When your old foe, rheumatism, gets into your muscles, put the warming, pain-conqueror, "The D. & L." Lintiment on the sore spot, and blessed relief comes at once. Beware of substitutes.

The Microbe Question.

(Montreal Star.)

A microbe lingers in a kiss, you say? Yes, but he nibbles in a pleasant way.

Rather than in the pipe and telephone Better to catch him kissing and be gay.

Minard's Lintiment for Rheumatism.

Must Cultivate Patience. (Grimsby Independent.)

Mr. Deacon, pastor for two years of the Methodist Church at Stoney Creek, is gone.

Good-by, Mr. Deacon; you were a good man, but not a wise one.

In theory you were right. In practice your best efforts were laughed at, and what was a mighty serious affair to you was only sport for others.

You wanted to do a lot of good, Mr. Deacon, and do it quickly, but other people thought that moral changes are made slowly in this world.

Minard's Lintiment the Best Hair Restorer.

"Tears, Idle Tears."

A man does not like to be loved too soon, for, whereas, I think a woman builds into her heart an altar to an unknown god, and leaves her happiest hour to steal away and worship. . . . Masculine tenderness does not respond to tears. I do not find it so. Rather, I should say that a man's devotion fades under salt water, like a bathing suit, proving unseverable in the very element for which it is supposed to be adapted.—"Confession of a Wife," June Century.

Where Does a Sneeze Go?

"Mamma, when you sneeze a sneeze where does it go to?"

"It goes into the air, I suppose, dear."

"And when something scares it away, and you don't sneeze it, where does it go?"

"I don't know, child. Don't bother me."

"Does it go back to where it came from, mamma?"

"Oh, I suppose so. Run out and play."

"Then you've got to sneeze it some time, haven't you?"

"I suppose so. Rather, if you sneeze you had inside of you, would you sneeze any more, or would there be new sneezes to—"

"What keeps the sneeze from coming out when it starts?"

"How do I know?"

"Why is it, mamma, that some people say 'k-choo' when they sneeze, and some say 'cheese'?"

"Willie, if you don't—"

"Johnny Dickson says if I give him a penny he'll sneeze through his ears. Can he do it, mamma?"

"No, of course not, dear."

"How do you know who can't?"

"Because—Willie, if you don't stop bothering me I shall certainly—"

"Mamma, what is a sneeze?"

Whack! Whack!

New York Central and Hudson River Railroad.

The above name is a household word and the superior excellence of the road should be sufficient to attract most people, but now that the rate is in the name to New York and points east as by other lines no further recommendation should be sought. Everybody will tell you it is the best.

The Woes of Jane.

A dear little boy whose winter home is in the Oranges in New Jersey, and whose summer home is at Glen Summit, Penn., but whose identity shall not be further disclosed, attended a dame school last winter and, on an occasion when visitors were announced, took part in exercises in their honor. The exercises comprised recitations by the brighter children, and among them the dear little boy was called on. He recited in perfectly good faith the following, which he had learned or caught from an indulgent nurse with semi-poetical instinct:

Jane ate cake and Jane ate jelly, Jane went to bed with a pain in her— Now don't get excited, Don't be misled. For what Jane had was a pain in her head.

When the youngster told of this to his entirely surprised and somewhat shocked parents, they asked him:

"What did the teacher say?"

He replied: "She said nothing. She just turned around and looked out the window, but the scholars and the visitors wanted me to say it again."—Brooklyn Eagle.

Millions of Pineapples.

Dealers do not say "pineapples," but "pines." The art of abbreviation is perfected in America, and no commercial abbreviation is ever missed. Castle brought from Havana 23,000 barrels of pines in her cargo, the Seneca 15,000, the Mexico 16,000 and the Monterey 16,000. The contents of a barrel run from 74 to 120, an average of say 100, and the pines weigh from 2 1/2 to 12 pounds. Thus we have within less than one week receipts of pineapples amounting to 7,000,000. If they average 7 pounds each, the total weight is 49,000,000 pounds. The freight is about 90 cents a barrel, which means a revenue of \$1,900,000 for the steamship owners for 7 weeks' haul of pines—New York Press.

TO CURE A COLD IN ONE DAY.

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Groves' signature is on each box. 25c.

How the Japs Sleep.

The Japanese never sleep with their head to the north. This is because the dead in Japan are always buried with their head in that position. In the sleeping rooms of many of the private houses and of hotels a diagram of the points of the compass is posted upon the ceiling for the convenience of guests.

Dr. Carson's Tonic

Stomach and Constipation Bitters

Made from the formula of an eminent Canadian physician, who has used the prescription in his practice for many years with most satisfactory results.

A Purely Vegetable, Tonic and Blood Purifier. Price 50 cents per Bottle.

Usually you can obtain the preparation of your local druggist, but you cannot obtain it in your neighborhood, we will send one of more bottles on receipt of price (50c per bottle) carriage prepaid.

Prepared and Bottled at: THE GARSON MEDICINE COMPANY, TORONTO.

THE "FORGET" HABIT.

Ferguson's Cistern.

It had rained nearly every day for a month.

George Ferguson's cellar was flooded, the roof of his house had sprung a leak, and everything in the family pantry was in a chronic state of dampness.

At last Mr. Ferguson hired some men to dig a cistern.

"Make it a large one," he said, "a hundred barrels, at least. It is a pity to let all this rain water go to waste."

The cistern was completed in due time, according to order. But it kept on raining.

"Johnny," said his father, "you have disobeyed your mother again. Come out with me to the barn."

Johnny complied.

There was a washbowl on the premises, but the stern parent preferred the barn.

He bent his disobedient boy across his knee and proceeded to punish him in the ordinary method.

"Oh, that hurts!" screamed Johnny.

"I know it, my son, replied his father. "It hurts you (whack!) a great deal worse (whack!) than it hurts me (whack!) which I admit it does." (whack!) whack! whack!

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The Poor Young Man and the Banker.

"Mr. Awkash," said the trembling young man in the threadbare suit of clothes, "I have come to ask you for the hand of your daughter."

The rich banker looked around in his chair and looked at the presumptuous youth.

"Henry," he said, kindly, "you can have her, and I will see that she supports you in the best style than I have been accustomed to."—Chicago Tribune.

A BOON TO HOUSEWIVES.

English Lintiment completely removed a carb from my forehead. I take pleasure in recommending the remedy, as it acts with mysterious promptness in the removal from horses of hard, soft or caloused lumps, blood spavins, splints, curbs, sweeties, stifles and sprains.

GEORGE ROBB, Farmer, Markham, Ont.

Sold by all druggists.

The Thoughtful Girl.

(N. Y. Sun.)

Madge—Dolly is going somewhere with that young man this evening.

Marjorie—Yes, going to sit with him in the hammock. Right after dinner she went up stairs and put on a dark shirt waist.

Stops the Cough and Works Off the Cold.

Laxative Bromo Quinine Tablets cure a cold in one day. No cure, No pay. Price 25 cents.

The Need of the Hour.

(N. Y. Sun.)

Mrs. Crawford—I suppose you find a flat rather close quarters after having always lived in a house?

Mrs. Crabshaw—Yes, indeed. I don't know what we shall do unless I'm able to find a combination ping-pong table and folding bed.

Still Hope for Him.

(N. Y. Sun.)

She—Oh, George, I saw a perfect dream of a bonnet to-day.

He—Then please don't wake it up.

Messrs. C. C. Richards & Co.

Dear Sirs,—While in the country last summer I was badly bitten by mosquitoes, so badly that I thought I would be disgraced to try a couple of weeks. I was advised to try your Lintiment to allay the irritation, and did so. The effect was more than I expected—a few applications completely cured the irritation, preventing the bites from becoming serious. MINARD'S LINTIMENT is also a good article to keep off the mosquitoes.

Yours truly,

W. A. OKE.

Harbor Grace, Nfld., Jan. 8, 1898.

No Profit in the Philippines.

(Boston Post.)

Our trade with the Philippines for fifty years will not show a commercial profit to offset what we have already paid out for the incomplete subjugation of their inhabitants.

NO HUMBUGS—FERRIS' IS—

Humane Swine Y. Stock Market and Cattle Board, shows a new system of all sizes from 100 to 500 lbs. Makes 45 different styles, all sizes, with same blade, separate bars, Testimonial. Patent. 10c per dozen. U.S. Pat. Office. Price \$1.00 per dozen. U.S. Pat. Office. Price \$1.00 per dozen. U.S. Pat. Office. Price \$1.00 per dozen.

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Business.

(Brooklyn Life.)

The Vestryman—I have been appointed by our committee, sir, to extend you a call. The salary will be double your present figure.

The Clergyman—Um. I can't give you my answer now. I shall have to pray for guidance.

"We must have the matter settled soon."

Well, can't you give me, say, a three-days' option?"

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"We feel his presence, but it is not long before we see him. . . . That cold blue eye, which is the basilisk of the British army. . . . A round, red and somewhat puffy face. Square head, with staff cap set squarely upon it. Heavy moustaches covering a somewhat mobile mouth, at the moment inclined to smile. Eyes just anyhow; heavy, but not overpowering eyebrows. In fact, a very ordinary face of a man just past his prime. Hardly a figure that you would have remarked if it had not been for the gilt upon his hat—in fact, it was all a disappointing discovery."

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Chief—All right. I will soon find you a staff. Let me see, you have a brigade major?

Colonel—Yes; but he is at Hanover road!

Chief—That's all right; you will collect him in good time. You want a chief for your staff. Here, you (and he beckoned to a colonel in palid pinstriped uniform who had arrived just-out-from-England) who was standing by; what are you doing here? You will be chief to the staff to the new cavalry brigade."

New Colonel—But, sir—

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Officer—Trying to rejoin, sir.

Chief—Where have you come from? Officer—Deelfontein—convalescent, sir.

Chief—You'll do. You are intelligence officer of the new cavalry brigade. Here's your brigadier; you will take orders from him. (Turning again to the colonel, and holding out his hand.) There you are; you are fit to go. Mind you, move out of Richmond Road to-morrow morning without fail. Good-by!

And so a brigade came into being!

STATE OF OHIO, CITY OF TOLEDO, LACAS COUNTY.

I, FRANK J. CHENEY, make oath that I am the senior partner of the firm of F. J. CHENEY & CO., doing business in the City of Toledo, Ohio and State of Ohio, and that said firm has in its possession, control and management a certain amount of business, the amount of which cannot be stated by me, but which cannot be cured by the use of HALL'S CATARRH CURE.

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Sworn to before me, and subscribed in my presence, this 6th day of December, A.D. 1898.

(SEAL) A. W. GLEASON, Notary Public.

Hall's Catarrh Cure is taken internally and acts directly on the blood and mucous surfaces of the system. Sent for testimonials, free.

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Sold by druggists—75c.

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HAD TO BE LIFTED.

A Helpless Cripple is Restored to Health and Strength.

Lame Zack Had this Man a Prisoner for a Long Time, but at Last He Found a Cure, Though Given Up by the Doctors.

Napanee, Ont., June 16.—(Special.)—The doctors told Simon Warner that they could do nothing for him. He had tried many medicines and treatments with no good result.

He was a helpless cripple with lame back, and for a long time his wife had to lift him in and out of bed, the pain in his back was so severe.

In this extremity a friend's advice saved him. This man had suffered with backache himself, but had been completely cured by Dodd's Kidney Pills; thus when he heard that Mr. Warner was so bad he went to his home and recommended this medicine to him.

Mr. Warner and his good wife were at first inclined to be somewhat doubtful, but here was the evidence that Dodd's Kidney Pills do cure Lame Back right before their very eyes in the person of the man who had been cured. Surely it must be true.

So after some deliberation they decided to try, and now they are very much pleased that they did so, for in a short time Mr. Warner's backache had vanished. He grew gradually stronger and better, and at present enjoys the best all-round good health he has had for many years.

There is not a trace of lame back remaining, not a single symptom, and the helpless man who used to be a burden to himself and his wife is now strong, and a comfort to his faithful helpmate. He says:

"We have used in all about twenty-five boxes of Dodd's Kidney Pills, and given some away to our neighbors. I find that when they use a box they themselves are about as strong in their recommendations as we are.

"I can certainly highly recommend Dodd's Kidney Pills as a sure cure for Lame Back, for they cured me, and I never heard of a worse case."

DR. A. W. CHASE'S 25c. CATARRH CURE

Is sent direct to the diseased parts by the Improved Blower. Heals the ulcer, clears the air passages, stops drops in the throat and permanently cures Catarrh and Hay Fever. Sent free. All dealers of Dr. Chase's Medicine Co., Toronto and Buffalo.

rapidly to the bottom, even in this dry mixture, when it is stirred. If it is desired to use the poison as a wet application, more water can be added until it is of about the same consistency as porridge, but, if to be used dry, dry bran must be stirred in until the mixture will run through the fingers easily. This poison may then be applied to the land, either around or between plants to be protected, or a row may be run close to the drills of crops planted in that manner.

For tomato-leaf blight, as soon as the disease is discovered, use Bordeaux mixture, the formula for which is given in the remedy for flea-beetle in potatoes.

Arsenical Sprays.

When the June beetle or bugs attack fruit trees spray the foliage with arsenical poisons. Take, for instance, one pound of white arsenic and dissolve it in about four quarts of water; then use this arsenic solution to slake two pounds of lime, and add enough water to make two gallons of this stock mixture. Thoroughly stir the material before using. Arsenate of lead can be applied in large quantities without injury to the foliage, hence it is very useful against beetles and similar insects that are hard to poison; it also adheres to the foliage a long time.

There are three important fungus diseases of the sugar beet for which remedies have been found. They are root-rot, leaf-spot and beet-scarb. The first can be remedied by putting sixty to seventy bushels of air-slaked lime to the acre; the second, by the use of Bordeaux mixture, and the third by avoiding for the growth of beets any soil which, during several years previous, has produced senby beets.

What He Wanted to Say.

(Frankfort, Kan. Review.)

A few days ago Mr. Taylor was absent from his drug store for a few minutes and left his wife in charge. A large Norwegian who spoke English with difficulty entered and said:

"Hi owe de firm ten cents."

"Very well," replied Mrs. Taylor; "just pay it to me, and it will be all right."

The Norwegian made no attempt to produce the coin, but gazed steadily at Mrs. Taylor and repeated:

"Hi owe de firm ten cents."

"Yes, I heard you say that before. Now, if you are afraid I will give you a receipt for it."

An Old Head.

(Montreal Star.)

The railway advertisement announcing "wedding or vacation trips" was undoubtedly penned by a benedict. He knows that there is a difference between the two things.

Minard's Lintiment cures La Grippe.