

THE SPRAYING OF ORCHARDS

The Power Sprayer Does Rapid and Thorough Work in Demonstrations Conducted by the Dominion Fruit Division.

The Fruit Division of the Dominion Department of Agriculture is just now giving a series of orchard demonstrations in Ontario and Quebec to illustrate the great advantages which follow the use of the power sprayer. During the past week work has been carried on in the vicinity of Woodstock and Ingersoll, Ont., by Messrs. P. J. Carey, Dominion Fruit Inspector, and J. C. Harris, West Oxford, both practical farmers, who have made a success of fruit growing and who give careful attention to all the details of their spraying operations. The chief object is to show that a dozen or more farmers may profitably combine to purchase a power sprayer, place it in charge of some sub man as usually does the farmer, who can easily make himself thoroughly conversant with the best methods of spraying, and engage him to make regular visits to their orchards. At each farm the expert sprayer will only require the assistance of a teamster, and thus the regular work of the farm need not be interrupted. Under present methods every farmer in the fruit districts requires a spraying outfit of his own, and the spraying, if done at all, is done in a careless, half-hearted way by men who do not know just when or how the work should be performed. Farmers are very busy at the season when spraying should be done, consequently it is often neglected entirely, or postponed until too late to be effective. Farmers have reason to feel indebted to Mr. W. A. MacKinnon, chief of the fruit division, for bringing their attention to the merits of the power sprayer. If the old methods of spraying were valuable, and it is generally admitted that they were, this new plan must prove infinitely better. It is thorough and rapid and is accomplished with little or no exertion or inconvenience. The pressure is supplied by a small gasoline engine on the wagon and the spraying done while the horses are driven up and down between the rows of trees. The liquid is forced from a tank on the wagon through two lines of fine spray, and by the use of bamboo rods, with a cluster of six small nozzles at the end, it is possible to reach the topmost parts of the trees, and the spray, which is as fine as a

cloud of vapor, falls lightly upon the trees, and adheres much better than if applied in a coarse spray, as is sometimes done. The pressure of 80 to 100 pounds to the inch ensures a spray so fine that it penetrates to all parts of the trees. This is one of the chief advantages of the new sprayer. The difficulty has been to reach the tops of trees without a waste of the preparation used, which has been the inevitable result when heavy streams were ejected. Again the appliances used by most farmers have only one nozzle, while this, as has been stated, has six in each line of hose, and the force is much greater and the mist finer, which is all-important. Under favorable conditions the operators of this machine could probably spray from 500 to 500 trees per day. Forty, or so, on them difficult to get at, were sprayed in about twenty-five minutes; after making several moves a day, some of them long ones, the operators have been averaging between 400 and 500 trees a day. The trees sprayed will be given a regular course—four sprayings at least. It is hoped by the Department of Agriculture that these tests will bring about the general adoption of the power sprayer. A similar spraying apparatus is being used by private owners in the Niagara District, and is said to give excellent results. The efficiency of the machine will shortly be increased, as it is the intention to use either nine or twelve nozzles instead of six on each line. Mr. MacKinnon in this week attended a public competition of power sprayers in the famous Hitting's orchard, near South Onondaga, N.Y., in order to familiarize himself with the merits and demerits of the various machines now on the market. It is contended that if farmers will only unite to carry out a systematic campaign of spraying, according to the latest methods, a great deal may be done towards eradicating the enemies of fruit. Exporters who are familiar with the results of spraying and the systematic care of orchards, strongly endorse spraying, claiming that it is certain to improve the quality of the fruit, and in support of their claim they refer to orchards where the system has been carried out, the fruit of which always commands the highest price.

WALKING DELEGATE'S WIFE ON STRIKE

The walking delegate never tired of talking of the strike, relates the Colorado Springs Gazette. He held that it was justifiable if ever a strike was, and it was perfectly proper to strike to secure a desired result. He told his wife so, and she seemed to agree with him. She said it seemed the easiest way. At that night when he came home he found that the table was not set. "I want a new dress," she said, when he asked what the trouble was. "I know. You've been bothering me for that dress for a month," he said, "but how about supper?" "There isn't any," she replied. "This is a strike!" "A strike?" "Yes, a general tie-up. I've been trying to secure a peaceable settlement of this trouble for some time, now I've struck." "Oh, don't talk to me that way. If I can't get you to arbitrate, why, I've got to strike. I don't care if it does back the wheels of trade." "But Mary, you don't understand." "Oh, yes, I do. I've made my demands, and they've been refused. I've asked for a compromise, and that has also been refused. A strike is all there is left, and I've struck." "But your demands are unreasonable." "I don't think they are." "You're no judge." "You're the judge of your own demands when you are in a bad mood. I want something. It's no use talking. The strike is on." She folded her arms in a determined way, and he subsided. It was perhaps half an hour later when he looked up and said: "Mary, is the strike still on?" "It is still on," she replied. "Aren't you hungry?" "No, I saw I had something in the treasury before the strike was ordered." "Meaning the pantry?" he remarked. "Meaning the pantry," she returned. "I believe I'll get a bite, he said. "It's locked," she replied. "The reserve is to be used simply to keep the strike's resources." "Be careful, Mary," said he warningly. "If I shut off the cash—" She nodded toward the locked pantry. "I can stick it out a week," she returned. Five or ten minutes later he proposed that they compromise on the basis of \$10. "Twenty," she replied firmly. "But I can't afford it," he protested. "That's your business," she answered. "I'll go to arbitrate once." It was 10 o'clock that night when he finally gave in, and somehow he felt he had experienced a new phase of the strike business. It looked different from the other side of the fence.

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is it called Frouche?—what does Frouche mean? "What's dae ye come frae?" asked the native. "We come from Glasgow." "Ou, ay, is it done in Glasgow?" "Yes, it is done in Glasgow." "An' hoo is it called Glasgow?" was the retort. The stranger inquirer invited the horse to "goe up."

COULDN'T PUT HIS COAT ON

Remarkable Cure of Dropsy by Dodd's Kidney Pills

George Robertson, of Montreal, a Physician, writes: Restored to Splendid Health by the Great Kidney Remedy. Montreal, June 20.—(Special.)—The case of George Robertson, of 392 James street, this city, is looked upon by those interested in medical matters as one of the most interesting on record. Mr. Robertson was a sufferer from dropsy, and was so bad that he was returned to Dodd's Kidney Pills cured him. Interviewed regarding his cure, Mr. Robertson said: "I was troubled with Dropsy and Rheumatism for five years. I was a total wreck before I started to use Dodd's Kidney Pills. Before I got out of bed in the morning I could hardly put my feet on the floor; they were swollen so much from dropsy that I could not get up. My arms used to swell at times so that I could not put my coat on. Before I had taken two boxes of Dodd's Kidney Pills I felt greatly relieved. Seven boxes cured me completely. I also had lumbago, but since I used Dodd's Kidney Pills I don't know what it is to be sick." Dropsy, Lumbago and Rheumatism are all caused by diseased kidneys, and there can be no diseased kidneys when Dodd's Kidney Pills are used.

Why They Liked Her. Chicago News. Ida—She is very popular with the young people. May—But I hear she sits with her back toward them. Ida—That is why they like her. She is the chaperon.

St. Martin, Que., May 16, 1895. C. C. RICHARDS & CO. Gentlemen—Last November my child stuck a nail in his knee, causing inflammation so severe that I was advised to take him to Montreal and have the limb amputated. A neighbor advised us to try MINARD'S LINIMENT, which we did, and within three days my child was all right, and I feel so grateful that I send you this testimonial, that my experience may be of benefit to others. LOUIS GAGNIER.

Charity. Life. "Papa, what is charity?" "Charity, my son, is giving away what you don't want."

MASSEY-HARRIS CORN HARVESTER. Massey-Harris Co., Limited, added the Corn Harvester to their long line of up-to-date farming implements because their numerous patrons wanted a Massey-Harris Corn Harvester.

Stay Home and Save Money. N. Y. Herald. "Buyer—I suppose you're going to the Conque to-night to see the woman with the iron jaw?" "Heavens—No, I'm going to stay at home and hear her."

Last Battle in Great Britain. This was the battle of Culloden Moor, April 16, 1746, O. S. It was fought on a plain about five miles from Inverness, Scotland. It was the last attempt on the part of the Stuarts to get possession of the throne of Great Britain. This attempt was made by Charles Edward Stuart, "Bonnie Prince Charlie," a grandson of James II. He defeated the English in the battle of Falkirk, but in a second battle, at Culloden, was finally defeated by the Duke of Cumberland. He wandered as a fugitive in the highlands for five months, finally succeeded in getting out of the country and died in Rome, Jan. 39, 1788.

BODY STRONG BRAIN CLEAR. This Makes the Perfect Man—the Happy Woman. South American Nervine. The seat of the majority of chronic diseases is the nerve centers. Cure them—build up nerve force there—and you cure the disease. This is the secret of the amazing results attending the use of the South American Nervine—a veritable life-builder and eradicator of disease. Cures Stomach and Liver Complaints, General Debility, Impure Blood, Female Complaints, and every disease which indicates impaired nervous force. Read what the Ontario of A. W. Stephens, Strathaven, Ont. writes: "A bottle of South American Nervine Tonic did more for my sister Ida than a whole summer's doctoring and drugging for after effects of La Grippe. It cured my father after months of torture from boils. Only used two bottles and has not been troubled now for seven years. It's the greatest of remedies." Limerick Intelligence. Penn. Punch Bowl. "This said that old Earl of Warwick (A paragonage very historic) dismissed his physician. A man of position. For macking him drink paragonized."

KI LING MUSTARD

The Agricultural College to Give Demonstrations.

The Minister of Agriculture has again authorized the Ontario Agricultural College to give demonstrations in mustard spraying. The demonstrations given in many parts of the Province in 1901 and 1902 were uniformly successful in the destruction of growing wild mustards. It is believed that the blue-stone treatment of mustards will be welcomed by hundreds of farmers throughout Ontario. I. How the blue-stone solution is made—Put nine (9) pounds of blue-stone (copper sulphate) in a coarse sack or bag, and suspend it in a vessel containing three (3) gallons of very hot or boiling water. The blue-stone will usually dissolve in 15 or 20 minutes. Strain the solution into the barrel of the spray-pump, and fill up with cold water to make 40 or 45 gallons. This is known as the 2 per cent solution. (1 pound of blue-stone in 5 gallons of water.) II. How to spray the mustard plants—Spray the mustard on a calm, bright day, just as the plants are coming into bloom. At this time most of the young plants are making their appearance, and all will be killed. Should a heavy rain come immediately after spraying, it will be necessary to spray again. III. Where further information may be obtained—Should you desire further information regarding the treatment of mustard with blue-stone solution write to the Biological Department of the Ontario Agricultural College.

Minard's Liniment Cures Dizziness. Real Ancient. Philadelphia Ledger. In the northwestern section of this city there is a teacher who has charge of a primary class. She was one morning giving her pupils a lesson on the civil war and wanted to impress on their minds how long ago it happened. "Just think, children," she said, "it was so long ago that even I don't remember it."

Minard's Liniment Cures Dizziness. There is but one way to properly appreciate the advantages of a trip to New York or Boston on the trains of the New York Central Railway, and that is to use the line. See your ticket agent.

Wisdom of a Kind. Chicago Journal. A laugh is worth a hundred groans in any market. It is natural that the man who gives himself away should feel cheap. What a good world this would be if all men did what they boast of. A postponed task more toil begets, and borrowed money pays no debts. Some people get credit for broken hearts when they have simply lost their nerve. It takes one to make a mind, two to make a bargain, three to make a marriage.

PERFECTLY HARMLESS and yet effective Painkiller may be administered by inexperienced persons without fear of accident. For all bodily complaints it is a sure specific. Avoid substitutes. There is but one "Painkiller"—Ferry Davis.

Punishment for Talking. The Duke of Argyll tells this story of Winston Churchill, which shows that the talent for talk developed young in the author and member of Parliament. Some years ago he visited Harrow and noting a boy running around the cricket field all by himself asked what he was doing it for. "That's Lord Randolph Churchill's son, and whenever he talks too much we make him run three times round the cricket field."

Lever's Y-Z (Wide Head) Disinfectant Soap Powder is a boon to any home. It disinfects and cleans at the same time. The fisherman now begins to pose as the reel thing.

Dick's Blood Purifier is the best Tonic for Horses and Cattle. It puts cows in perfect health, and increases the flow of milk. DICK'S gives horses a smooth glossy coat, and puts life and spirit into them. Try a package with any run-down animal you may have and you will be convinced. 50 cents a package. LEECHING, KILES & CO., AGENTS, MONTREAL.

VENOMOUS THINGS. Patience—She says some one was pleased to hear her talk for an hour. Patience—perhaps she was talking to herself.

CONTRATEMPS. He met her just as he stepped on the car. She saw he was smoking a cheap cigar. He spoke not, and she was equally dumb. For she saw he saw she was chewing gum.

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SUNLIGHT SOAP REDUCES EXPENSE. \$5,000 Reward will be paid by Limited, Toronto, to any person who can prove that this soap contains any form of adulteration whatsoever, or contains any injurious chemicals.

The Wisdom of Age. Atlanta Constitution. "So you quarrelled with your wife?" "No, she quarrelled with me." "Don't you ever answer back?" "Judge," replied the witness, "I'm forty years old!"

Getting Satisfaction at Law. Cleveland Plain Dealer. "How did you come out with your lawsuit?" "I won it." "Get damages?" "Sure. I got almost enough to pay my lawyer."

Minard's Liniment Cures Dizziness. A delicate rice cake for dessert may be made as follows: Put a pint of cold, fresh milk in a saucepan over a hot fire. When it boils add a heaping cup of well washed rice. Let the rice cook slowly in the milk for twenty minutes, then cool it in the saucepan for half an hour. Add six heaping tablespoons of sugar, and stir them in well. Then add three whole eggs and flavor with a tablespoonful of orange flower water or orange extract. Roll some good puff paste very thin—use a tin pudding mould, holding about three pints, with the paste, add the rice, and put the pudding in a moderate oven to bake for forty minutes. Then cool the pudding, cover it with an icing and serve. This makes a firm cake, which should be well flavored with orange extract and garnished with a little aged jelly. The orange extract is made by soaking the yellow peel of a California orange in 90 per cent. alcohol for at least two weeks. Grate the peel into the alcohol of pack it in this slice, and see that there is enough of it to fill the bottle completely.—Tribune.

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RECK Summer Excursions. Steamers Toronto, Kingston and other steamers. Further information apply to H. Foster, Chief, Western Passenger Agent, Toronto.

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KENDALL'S SPAIN CURE. USED FOURTEEN YEARS WITH GOOD RESULTS. DR. B. J. KENDALL CO., ENOSBURG FALLS, VT.

Piles. To prove to you, that Dr. Chase's Ointment is a certain and absolute cure for each and every form of itching, bleeding and protruding piles, the manufacturer has guaranteed it. See testimonials in the daily press and ask your neighbors what they think of it. You can use it and get your money back if not cured. See a box at all dealers or Dr. Chase's Ointment.

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