

THE ACADIAN.

WOLFVILLE, N. S., MAY 21, 1897.

When and How to Spray.

DEAR SIR,—As the spraying season is at hand you will oblige all fruit growers by publishing the enclosed formulas for handy reference.

Yours sincerely, J. W. BIGELOW.

APPLE.—Apple spot fungus, codling moth, bud moth, oyster shell bark louse. First application: Copper sulphate and Paris green. Before buds start. 2nd application: Bordeaux and Paris green. Just before blossoms open. Kerosene emulsion before buds start. 3rd application: Bordeaux and Paris green. Soon after blossoms fall. 4th application: Bordeaux and Paris green. 10-15 days later. 5th application: Bordeaux. 10-15 days later if spot disease is severe when hatched. Kerosene emulsion for bark lice.

PLUM.—Rot, shot-hole fungus, bud moth, curculio. Cut out and burn black knots. 1st application: Copper sulphate and Paris green. Before buds open. 2nd application: Bordeaux and Paris green. Soon after blossoms have fallen. 3rd application: Bordeaux and Paris green. 10-15 days later. 4th application: Bordeaux and Paris green. 10-15 days later if rot is prevalent. 5th application: Ammoniacal copper carbonate. 10-15 days later if rot is prevalent. 6th application: Ammoniacal copper carbonate. 10-20 days later if rot is prevalent.

POTATO.—Scab, rot, insects. 1st application: Corrosive sublimate. For scab, 2 oz. to 16 gallons of water. For rot, 1 1/2 hours. (See formula.) 2nd application: Paris green. For Colorado potato beetle. Bordeaux for flea beetle. 3rd application: Bordeaux. For rot. From 1st August till end of season, 2 weeks apart.

FUNGICIDES.

DILUTED BORDEAUX MIXTURE. Copper Sulphate.....4 lbs. Quick Lime.....40 lbs. Paris green (for leaf eating insects).....40 lbs. Water (1 barrel).....40-50 gals. Dissolve the copper sulphate (blue-stone) by suspending it in a wooden or earthen vessel containing 4 or 5 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 in a barrel, or it may be dissolved in this in the first place, half fill the barrel with water, add the slaked lime, fill the barrel with water and stir thoroughly. It is then ready for use.

STEEL SOLUTIONS OF DISSOLVED COPPER SULPHATE AND OF LIME MAY BE PREPARED AND KEPT IN SEPARATE COVERED BARRELS THROUGHOUT THE SPRAYING SEASON. THE QUANTITIES OF BLUESTONE, LIME AND WATER SHOULD BE CAREFULLY NOTED.

COPPER SULPHATE SOLUTION. Copper Sulphate (blue-stone).....1 lb. Water.....25 gals. As soon as dissolved it is ready for use. For use before the buds open only.

AMMONIACAL COPPER CARBONATE. Copper Carbonate.....5 oz. Ammonia.....2 qts. Water (1 barrel).....40-50 gals. Dissolve the copper carbonate in the ammonia. The ammonia acid concentrated solution should be kept in glass or stone jars, tightly corked. It is ready for use as soon as diluted with the 50 gallons of water. To be used when Bordeaux cannot be applied on account of staining the fruit. For further particulars given in Experimental Farm Bulletin No. 23.

CORROSIVE SUBLIMATE. For potato scab soak the tubers for 1 1/2 hours in a solution of 2 oz. in 16 gals. of water. When dry cut up for planting. Corrosive sublimate is a fatal poison if taken internally. It is a corrosive metal. The solution should therefore be made in wooden vessels. All treated seeds should be planted, and any solution left over should be poured into a hole in the ground.

INSECTICIDES. KEROSENE EMULSION. Kerosene (coal oil).....2 gals. Rain Water.....1 gal. Soap.....1/2 lb. Dissolve soap in water by boiling; take from fire and, while hot, turn in kerosene and churn briskly for five minutes. To be diluted before use with 8 parts of water. For bark lice and other sucking insects.

PARIS GREEN. Paris Green.....1 lb. Lime (fresh).....1 lb. Water.....200 gals. For dry application.—1 lb. Paris green with 50 lb. land plaster, slaked lime or any other perfectly dry powder. For insects which eat foliage.

HELLEBORE. White Hellebore.....1 oz. Water.....3 gals. Or to be dusted undiluted over attacked plants.

PYRETHRUM (or insect powder). Pyrethrum Powder.....1 oz. Water.....3 gals. For dry application.—Mix thoroughly 1 part by weight of insect powder with 4 of cheap flour, and keep in a close vessel for 24 hours before dusting over plants attacked.

On Saturday night last, a young man named Lorenzo Boran, came to town pretty well "geared-up" and for an hour or two made himself offensively conspicuous. Finally, Policeman Toye got his eyes on him, and also his hand. Mr Boran resisted and a scuffle ensued. A mob quickly gathered and swarmed down the alley between Rockwell's bookstall and Strong's grocery store, where the law and the violators were struggling. With the assistance of the crowd Mr Boran managed to make his escape. A warrant was issued for his arrest, and on Tuesday night he was hauled at Oldman Brook, by Constable Selbridge and an assistant, and brought to Wolfville and locked up. His examination takes place before Stipendiary Cawley. Boran's interests will be looked after by A. V. Plasco. Owing to our early going to press we are unable to give the result of the examination in this issue.

Fruit culture is more profitable to the farmer now than at any other time. Brown Bros. Co., the most extensive nursery house in Canada, have a vacancy in this section. Write them at Brown's Nurseries, P. O. Ont., for their terms.

The Sewerage Question Again.

Yet a little sleep, a little slumber, a little folding of the hands in sleep. —Ancient Play.

MR. EDITOR,—The Council seem still to be sleeping about the sewerage question. I wonder whether poking fun at them a little will shorten their nap?

The question, so it seems to me, is the most important we have to deal with, it is even of more importance than the very vital matters my friend, my grave and reverend friend, Mr. Parker, has been airing in recent issues of your very valuable paper.

Every citizen should look a little ahead and consider whether it is not "a penny wise, pound foolish" policy, or economy, to delay longer a measure which can not be taken in hand too soon for the interest of the pocket, as well as of health.

One says, "I live on a sandy, gravelly soil and that formation will carry off all the soil matters precipitated into it from my dwelling, I do not fear." He forgets that his next door neighbor may be on a clay bed which will not soak up the soil and which will soon spread to the land and death, likely soon to spread to the house of the man who built his house upon sand. You know what happened to him when the tempest and the waters came but it is not that which will happen to this man. Hear what the authorities say.

"Fever, gangrene, ophthalmia and many other diseases, especially among children, are certain to break out and become malignant if the emanations from such filth—he speaks of cesspools—exist in the air around human habitations." Again, "The (cesspools) act like an immense brewing vessel sending up deadly vapors." Already complaints are being lodged with the Health Board about the unpleasant odors from the neighboring cesspools. Hardly any of the lower portion of town is clear of the overflow of this kind and where it does not go across another property it goes into the street which I cannot see is any improvement.

Our status in the next world is a very important matter. Going to church or meeting in solemn state is, perhaps, a good way to secure good society in the hereafter, but good health and a good digestion, which may only be had by breathing and living in pure air and by obeying natural laws, are also very important factors and helpers to right living. The writer has been informed by several engineers, members of both the British and Canadian Institutes that there is a great difficulty to be overcome in order to get a good and efficient system of sewerage for the town.

We have a plan and estimates made by Mr. Price, of Kentville, who, I am told, is a very competent man.

Dr. Holmes tells a story in the "Autocrat" of a man who in conversation seemed to be a very well informed up to a certain alphabetical point. He knew all about the Andes, the Apennines and the Appalachians, but could say nothing about Ararat or Ben Nevis. He was a great talker, but knew nothing of the great things of the world. He was taking a course of reading in an Encyclopedia but had only got as far as "Ap." Dr. Holmes goes on to say, "If he read all the rest through and can remember it, he will know more than I expect though he would." As Captain Cuttle says, "the bearings of this remark depends on the application of it, when found make a note of it."

You may wonder what all this leads to. Well, at a meeting of the council the other evening the plans just mentioned of Mr. Price—were under discussion. His Worship the Mayor, said in his usual way, that he had looked the matter up in his Encyclopedia, and found that the gradient proposed by Mr. Price was insufficient and that it would be a very difficult work to provide efficient sewerage for the town. What a great thing it is to have a clever Mayor and how much more important that the Mayor should have an Encyclopedia whether he be clever or not. Great Mayor! Greater Encyclopedia!! In conclusion I will quote the language of a letter dated May 14th, '97, of French In- from a householder to the Health Inspector for this town. "I trust the Board of Health will take immediate steps to have this sewage properly cared for," in which I heartily join him as I am the plaintiff's sewage instead of flowing over his property as my sewage does over his, flows into the street and thence across the lands and under the noses of half a dozen other citizens.

So we should all ever pray the Board of Health, His Worship the Mayor, and their Serenities and Excellencies, our august council to rid us forever of this nuisance. Yours truly, JOEL L. BURTON. Wolfville, May 17, 1897.

The Queen's Diamond Jubilee.

EDITOR ACADIAN,—I was pleased to note your remarks in last issue of the ACADIAN in reference to the "Queen's Diamond Jubilee Celebration."

If the lead, I have no doubt the citizens generally will join heartily in any movement that would be appropriate. Of course it is not expected that a very elaborate or expensive programme would be undertaken, but something should be done in our town to commemorate this day which will be so generally observed throughout the British domains in every quarter of the globe.

An oration by some one of our talented townsmen, patriotic songs by the school children en masse would be in order; and I would suggest that this be made the occasion for some improvements in the appearance of the old cemetery—so much neglected. Let the dilapidated iron fence be removed, the grounds levelled, the monuments straightened, the central and other walks defined and a neat fountain erected near the centre of the grounds. The planting of a number of shade trees about the grounds would, with a little care, transform this old "City of the Dead" into an attractive spot which would be an ornament and a credit to the town, instead of the wilderness and discredit it is. A number of gentlemen have already intimated their willingness to assist in making some improvement in this direction; and it should not be a difficult matter to raise funds necessary.

Again, the members of "Crystal" Band have for some time been collecting funds for the erection of a drinking fountain, and have been quite successful in their efforts. The 22nd of June would be a very suitable time for the inauguration of such a monument by the "Cold Water Army."

I trust other suggestions may be forthcoming, and the Mayor will take such steps as may be necessary to commemorate the 60th anniversary of Her Gracious Majesty's Reign in a manner becoming the occasion, is the wish

ONE OF THE PEOPLE. "At Minas Basin and Other Poems," BY THEODORE H. RAND, D. C. L.

A book of poems by a Nova Scotian, born and educated among us, with an established reputation as one of the foremost scholars and educationists in the Dominion, and finding the inspiration of his book in the spirit and forms of the nature as seen in Minas Basin and the attraction for the cultivated people at this vicinity. Having purchased a copy of Mr. Herbin's store a month ago, and having read the poems—most of them many times over—I take the greatest pleasure in commending the volume to thoughtful people of poetic taste. There are not only flashes of brightness, and here and there a gem, the quality of the book as a whole is very high. Already it has called forth warm eulogiums from some of the foremost literary critics. "It may be said that Dr. Rand is not a writer for the crowd; his thought is often subtle and refined, and his expression is composed and severe. The more or less cultivated mind, however, will find in these poems a fine discipline for the imagination and the poetic taste, and will discover thought and power which is given in these poems those vague, subtle, delightful feelings which the study of nature in her varying moods inspires. Altogether it is matter for sincere congratulation that another Nova Scotian has made so valuable a contribution to the higher literature of the Dominion." T. TROTTER.

Acacia Villa School, Horton Landing, classes for the summer vacation on Wednesday next, 26th inst. Public exhibitions of work done during the year will be held throughout the day. Morning session will commence at 9 o'clock, in the school rooms; afternoon session at 1:30 o'clock, in the assembly hall. Formal closing exercises will be in the evening, commencing at 7:30 o'clock. All are cordially invited, and the exercises will be made as interesting as possible.

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J. P. BIGELOW. Wolfville, April 23d, 1897.

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