

GUARD TUBERS AGAINST ROT AND SCAB WHEN PLANTING

Horticulturalist Tells How to Lessen Danger from these Two Diseases---Methods of Treatment.

(By A. G. Turney.)

The early blight, late blight and the scab annually cause considerable loss to the potato growers of New Brunswick, and hence it is very important that the treatment of seed potatoes previous to planting should be more generally understood and practised.

POTATO SCAB.

The main source of this disease is generally scabby seed and like most fungous diseases when once carried to the soil it spreads very rapidly. There is no doubt that many potatoes which leave the field quite free from the disease become infected in the place of storage by spores from tubers on which the disease had developed in the field. As potato scab spores will retain their vitality in the soil for as long as five or six years, it is not unusual to plant clean seed and still harvest a scabby crop.

TREATMENT OF SEED FOR SCAB

Unless absolutely necessary do not use scabby potatoes for seed. As many tubers are infected, although not outwardly showing the disease, the safest plan is to treat all seed potatoes by immersing them in a solution of standard 40 per cent. formalin, one pint to thirty gallons of water in a barrel. Place about one and a half bushels of whole potatoes in a sack and immerse for one and a half hours then remove, drain off the liquid and let them dry. When from 25 to 30 barrels of potatoes are to be treated, it would be well to use the method advocated by the Maine College of Agriculture. "Make up a solution same as above. Empty a sack of potatoes on to the barn floor and spray them thoroughly with the formalin solution; empty another sack onto this pile; wet these thoroughly and continue this until all the seed is in the pile, then cover with canvas, blankets, etc., and let these remain on for from 4 to 5 hours.

TREATMENT OF SCAB INFECTED SOILS.

It is important to remember that the best results from the treatment of the seed cannot be expected unless reasonable precautions are taken to keep the soil clean. Bags, baskets, boxes, barrels and implements that have been in contact with scabby seed or infected soil should be thoroughly disinfected with the formalin solution. Avoid planting mangels, beets, turnips, potatoes, etc., on infected land. A long rotation of hoed crops, grain and grasses is advisable as the turning under of green and other crops tends to produce a condition of the land unfavorable to the disease. Avoid as far as possible the use of fresh manures, ashes and lime, as these produce a condition favorable to the spread of the disease.

Burn or feed all parings from scabby potatoes.

EARLY OR LATE BLIGHTS.

For a long time it was generally conceded that practically no infection of blight or disease occurred from the spores of the fungus wintering over in the tubers in some form or other. In fact, the general idea has been that practically all the infection was due both to the presence of spores in the soil and on certain newly post plants, which spores only awaited favorable germination conditions to infect the crop. Working on this theory, growers and experiment station investigators have assumed that repeated sprayings with Bordeaux Mixture would completely control the disease. This assumption, however, has not in all cases proved true and recent experiments conducted at the Royal Botanical Gardens, Kew, England, indicate that a large amount of potato disease of early and late blight is produced from latent mycelium, that is, a spore producing body remaining inactive in the tuber in winter, and which is consequently present in the sets when planted.

Now that the one-time suspicion that tubers carried disease over winter in this fashion has become established fact, the great importance of preventing disease by treatment before planting is readily understood.

PREVENTIVE MEASURES.

The present of this latent mycelium in a potato is easily detected by removing a slice from the heel end, when it will be visible as so many thin, reddish-brown threads or streaks. All such potatoes should be destroyed by burning or feeding to the pigs. As removing a portion from the heel of a potato is more beneficial than injurious, there is no excuse for planting uncut potatoes which may be suspected of infection.

Such potatoes may first be treated with the formalin solution to destroy the scab spores and any blight spores that may be on the skin and then cut as above, and all infected or suspicious-looking tubers should not only be discarded but effectually destroyed.

Never leave the old seed tubers in the ground but carefully collect and burn them. On no account plough in a field of potatoes rendered worthless by disease, as by so doing you will infect that soil for years to come. Gather everything up and burn as completely as possible.

After taking the above precautions at planting, keep all the vines of the potato plant coated with Bordeaux Mixture and loss from rot will be reduced to a minimum. Do not stop spraying until the vine stops growing else there will always be new leaves that may be attacked by the blight spores.

THAT AWFUL COMET NO REAL TERROR

A "Daily Mail" Correspondent is on to its Curves--Letter from Parker's Ridge.

The following letter will have special interest to many friends of the writer who know him as a specialist on the topic with which he deals. While Mr. Parker does not set himself up as Clerk of the Weather, it is well known in his district that when Certain of the big lumber operators now departed, wanted to know when they might expect a good head of water for their drives, they always consulted him. Unlike other scientists our correspondent gives his facts without telescopic assistance; but it is enough to know that in his circle whatever he says on the planetary system goes.

To the Editor of the Daily Mail, Fredericton,

Dear Sir,—As there is quite a sensation at present concerning the Halley comet, I thought it might be a benefit to some, if I should pen a few lines and have them put in some local newspaper regarding some objects and electrical displays which would not be taken notice of at any other time; but now when many eyes are scanning the heavens every clear night, certain displays of Aurora, sun and lunar halos, etc., catch the eye, and are the cause of much dread to many.

AURORAS AND THE LIKE.

Among the many different forms of Aurora and Northern Lights we see some which may form an arch of rainbow appearance across the sky; and again we see them in patches, probably one one of the comet like shape remaining for an hour or more in one place and coinciding in appearance with one of the bright stars. Now this latter appearance a few nights ago, although seen in the northwest heavens, gave much alarm to not a few persons, although it was in the opposite part of the sky to where they should look for the comet. When reminded of this they would say it was going nearly two million miles per day and so it must soon fall on the earth or envelop us in flame.

THIS IS ONLY ELECTRICAL PHENOMENON.

At present I might mention the electricity condensed in the thunder cloud or tornado. The frictional electricity also caused by many different forces of the ever changing positions of the moon and earth in regard to each other.

We see beautiful color effects in chemical electricity from the earth to the low thunder cloud and tornado and we see still greater splendor in the action above the volcano when the thunder storm is being displayed there at the time of outburst. At certain returning period sun spots or solar disturbances cause sympathetic waves in our electric strata.

And now for this 75-year-period comet giving us this time a much more pleasant visit than it did in 1835—I say pleasant visit because at that time we were too much around on the other side of our orbit; and now it will come within fifty times the moon's distance from the earth; and we are now prepared with many powerful telescopes, the spectroscope and the great agency of photography.

For the sake of those who do not want it to come any nearer, I would say that our sun, whose commotions are known to be many thousand times greater than what the comet could send forth, is only revealed to the naked eye observer by a dark spot now and then; so that twelve million miles will still be so far away that our naked eye will only see the action of the sun in its repulsive electrical energy, as the

GASES ARE FORCED OUTWARD,

while beyond the vapor and gas limit the repelled electrical strata sweeps its waves through the ether medium—and thus with a few weeks or months in sight it again rushes away into space by the new send off force given it by the sun. On the 19th of this month, April, the comet is predicted to be at its perihelion or nearest position to the sun.

The study of some comets of the past, seem to indicate that

NEITHER GAS OR DUST

particles are hurled beyond a certain limit in the tail, that is beyond a million miles or so from the nucleus or main body; for the one of 1843 having swept through the atmosphere of the sun at its perihelion in its rapid speed. The tail of millions of miles in length had swept its circle out in space keeping in opposition to the sun; the movement of its outmost limit would have to be akin to the electrical disturbance in the ether medium, being too great a space for matter to travel in so short a time. One observer in viewing the Biela comet at the time it had

SEPARATED INTO TWO,

in 1845, when again at the return period these two had made their appearance, they were nine million miles apart; but appeared to be connected with sympathetic disturbances in the ether medium, by a connecting arc of light, one comet becoming much brighter while the other dark-

FRENCH CANADIANS BEING REPATRIATED

They are Removing from Factory Towns of New England and Taking up Land in West.

Toronto, April 11.—A party of repatriated French-Canadians, more than four hundred strong recruited chiefly from the farms and mills of the New England States and some from Quebec, passed through the city last week on a splendid train of Grand Trunk Pacific Railway equipment en route to new homes in the Shell River district in northern Saskatchewan. It was the first all G.T.P. train to enter the Union Station.

BOUND FOR SHELL BROOK

But although the equipment of the train is G.T.P. it is a Canadian Northern Railway excursion. It is routed over the line of the G.T.P. to Chicago. From there to the destination it will go over the rails of the C.N.R., or affiliated roads. Mr. Osborne Scott, a C.N.R. traveling passenger agent, accompanied the party. They should arrive at Winnipeg on Monday and at Prince Albert the following day. Shell Brook their destination is situated between Prince Albert and North Battleford, and marks the point to which the steel has been laid on this branch of the C.N.R. This special train is the first to go over this route, and its passengers make up the first big movement of French-Canadians to the west.

The party included 80 families, and comprised in all 414 persons, of whom thirty were women and 101 were children. Mr. Scott placed the number of families at 80, and the average wealth of each at \$1,000. There are a few well-to-do business men taking the trip, with the idea of establishing their sons on homesteads on the plains.

BACK TO THE REAL LAND.

In the case of the farmers, the bulk of them had disposed of their holdings with the intention of taking up bigger tracts in the west. Many of them described the soil in Maine as light and ledgy, and only fit to grow potatoes, and the cost of living they said, was very high. Others had gone down into Maine four or five years ago to engage in the lumbering business. Upon this playing out, they were going back to the land.

TO SETTLE IN ONE LOCALITY.

In almost every instance the men stated they were seeking the new field on the word of Father Berube, a Roman Catholic priest, who already has a small settlement of contented French-Canadians at Vonda, Sask. Father Berube was down in their districts during the winter months, and it was his glowing accounts of the wonderful possibilities of the plains which was the real cause of the wholesale migration. It is their intention to settle in one locality and found a colony. The priest will meet the party in Winnipeg, and will probably go with them to the end of the journey.

BRITISH "TERRIERS" BECOMING POPULAR

The British Territorial Force is rapidly increasing in popularity.

The annual return, issued a fortnight ago, shows that on October 1 the force consisted of 9,652 officers and 260,389 non-commissioned officers and men, a net increase during the year of 71,600. In round numbers, 110,000 recruits were taken, in addition to 150,000 men with previous service.

Of the 49,000 who left the force, 32,000 did so "on termination of engagement," and 7,000 others transferred to the Regular Army or Special Reserve. About 71,000 who had enlisted for only one year re-engaged nearly 20,000 of them for two years or upwards.

In round figures the following were the number serving on the different terms of engagement:

One year	53,500
Two year	19,500
Three year	12,250
Four year	175,000

Of these the men whose engagements expire during the present year are the 53,000 on a one-year engagement, and about 12,000 of those on a two-year engagement. Therefore, only about 65,000 have to decide during the year between re-engagement and discharge as compared with 108,000 on October 1 of 1908.

London has 80 per cent. of the establishment, and the City of London 82 per cent.

ened, and vice versa. And should Halley's comet pass in our line of sight, on the 18th of May, and its main body be dense enough at that distance to throw a shadow beyond our earth—it would probably

SOLVE THE MYSTERY

concerning the dark day on this continent as certain comets are known to sail in paths or orbits much inclined to the ecliptic—and such in a line with the sun would elude the telescopic eye of that time.

G. PARKER, Boieston.

D. J. SHEA

TINSMITH AND PLUMBER

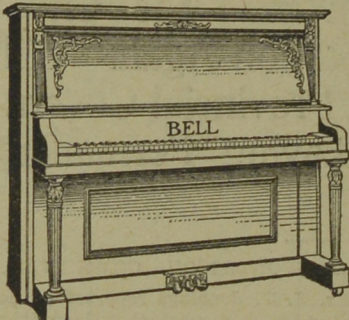
Every Facility for Doing First Class Work

When you want Repair Work in the Plumbing or Tinsmith Line Call or Telephone

'WE'LL DO THE REST

OFFICE AND WORKROOMS, CARLETON STREET

THE DEFINITION



When you don't know or are not sure you consult some one who Does Know, Some one who Is sure, don't you. In other words when in doubt you look for information. Now in buying a Piano you want the Best Value for your money. THE SECRET of our success along these lines are due to the fact that WE KNOW THE BEST.

Our experience covering a period of over twenty-five years has taught us what are the Best Piano on the market. Namely the HEINTZMAN & Co., BELL, GOURLEY.

LOOK US UP WE EMPLOY NO AGENTS.

McMURRAY & CO.

THE PIANO PEOPLE

NOTICE OF FORECLOSURE

To Albert E. Everett of the City of Fredericton in the County of York, an Province of New Brunswick, Hotel Keeper, and all others whom it may in any wise concern.—

NOTICE is hereby given that by virtue of a Power of sale contained in a certain Indenture of Mortgage bearing date the twenty-sixth day of May in the year of our Lord one thousand eight hundred and ninety-nine, and made between the said Albert E. Everett, of the One Part, and me, the undersigned E. S. Ranney Murray, of the City of Saint John in the County of County of Saint John, Millman, of the Other Part registered in York County Records in Book J-5, Pages 301, 302, 303, and 304; there will for the purpose of satisfying the moneys secured by the said Indenture, default having been made in the payment thereof, contrary to the provisions of the said Indenture, be sold at Public Auction in front of the Post Office in the City of Fredericton, on Saturday the SEVENTH day of MAY NEXT at the hour of twelve o'clock Noon, the leasehold lands and premises described in the said Indenture of Mortgage as follows:—All that certain lot, piece or parcel of land situate, lying and being in Block Number Seventeen in the Town Plat of Fredericton aforesaid and comprising bounded as follows:—Beginning at the point of intersection of the South Western side of "Brunswick Street with the North Western side of Westmorland Street in the City of Fredericton thence from the said point running South Westerly "along the North Western side of Westmorland Street aforesaid one hundred and thirteen (113) feet, thence at right angles North Westerly and parallel to "Brunswick Street aforesaid one hundred and sixty-four (164) feet, thence "three (3) inches, thence North Easterly at "right angles and parallel to Westmorland Street aforesaid one hundred and "thirteen (113) feet, thence to the "ern side of Brunswick Street aforesaid "and thence along the same South "Easterly one hundred and sixty-four (164) feet, thence three (3) inches to the "of beginning containing one rood, and "twenty-seven perches more or less, and "being part of Lots Number 283, 286 and "287 in said Block Seventeen Town Plat "of Fredericton (except as therein except "ed)."

Together with all and singular the buildings and improvements thereon and the privileges and appurtenances to the said premises belonging, or in any way appertaining; together with the Indenture of Lease relating to the same and all benefit and advantages thereunder. Dated this thirty-first day of March A. D. 1910.

(Signed) E. S. RANNEY MURRAY (L. S.) A. J. GREGORY, ESQ., Solicitor for Mortgage.

CLASSIFIED ADVS.

not exceeding one inch, one insertion, 25 cents; three insertions, 60 cents; one week \$1.00; one month \$3.00.

10 LET

Dwelling house, store and warehouses. Possession given immediately. Apply to F. B. Edgcombe.

WANTED

TO LET.—Shop to let on corner of Westmorland and George Streets, formerly occupied by W. W. White, who run a large grocery business in that place. On account of his business increasing he had to remove to a larger shop for Queen Street. Apply to Fred Quartermain, barber, or Alfred Quartermain, on premises. May be seen at any time. April 12—D21.

WANTED

WANTED.—A girl for general housework. Must be good plain cook. Apply to MRS. W. J. O. SBORNE, Church Street. Mar 30 lw

WANTED.—At once, an experienced saleslady. Apply to G. F. WILKES, Confectionery Store. April 6, dtf.

TEACHER WANTED

Applications will be received by the undersigned, until the 20th instant, for the position of classical instructor in Fredericton High School. Applicant will be male teacher holding grammar school license. Duties to begin next term.

CHAS. A. SAMPSON, Sec'y.

WANTED.—A girl for general housework must be a good plain cook. No washing or ironing. Apply to MRS. C. W. HALL, 809 George St.

NOTICE OF SALE

To Odilon Fortin of the City of Fredericton in the County of York, Yeoman, and to all others whom it may in any wise concern:—

Notice is hereby given that under and by virtue of a Power of sale contained in a certain Indenture of Mortgage bearing date the first day of May in the year of our Lord one thousand nine hundred and five, recorded in the York County Records in Book Y-5 pages 114-117, made between the said Odilon Fortin of the one part, and Henry Montgomery-Campbell of Apohaqui in the County of Kings, Esquire, of the other part, there in pursuance of the said Power of Sale and for the purpose of satisfying the moneys secured by the said mortgage, default having been made in the payment thereof, be sold at Public Auction on Saturday, the ninth day of April at twelve o'clock noon in front of the Post Office in the City of Fredericton in the County of York, the lease and leasehold lands and premises described in the said mortgage as follows:—"All that certain piece or parcel of land and premises situate lying and being in the City of Fredericton aforesaid, abutted and bounded as follows: North easterly on Charlotte Street one hundred and two links northerly two hundred and fifty links along the side line of lot number four south westerly one hundred and two links along the rear line of lot number twenty six and south easterly two hundred and fifty links along the side line of lot number two, the said piece of land being known as lot number three containing one quarter of an acre, more or less, and being the same land lately under lease to the late James Daley" together with all and singular the buildings and improvements thereon and the said lease and any and all rights of renewal or other rights thereunder.

Dated at Fredericton aforesaid, this twenty fifth day of February, A. D. 1910.

J. J. F. Winslow Solicitor for the Mortgages. (sd) H. MONTGOMERY-CAMPBELL d. 1 mo.

WANTED

100 Stream Drivers at once. Apply to T. L. MORRIS, Lucy & Co's Store. House Tel.—110-42. April 2—461w11.

MUSIC

Miss A. J. Hyde, of Gibson, is ready to instruct pupils in pianoforte organ, violin, mandolin, theory, etc. (Late of Portsmouth, Eng.) April 7, diw.

FOR SALE

For Sale—House and barn, on under St. and property, on King St., known as Hoegg Buildings. Apply to JOHN PALMER, CO. LTD., Fredericton.

d-tf.

For Sale—Large office safe. Will be sold at a bargain. Apply at this office. d-tf.

Jim Vaughn, who pitched for Louisville last year, will be on Stallings' regularpitching staff for the Highlanders.

Stella—I wouldn't marry the best man on earth.

Knicker—Have I asked you to?

FROM THE RURAL DISTRICTS

HAINSVILLE.
Mr. and Mrs. Coburn Moore are rejoicing over a new arrival at their home.

The many friends of Mr. Robert Glenn are glad to hear of his being around again as smart as usual.

The remains of Mrs. Moses Hallet, who died last week at Upper Springfield at the age of 83 were taken Sunday to Day Hill for burial.

Mr. Andrew Campbell is fully recovered from his long illness and is able to do his work once more.

Mr. Chas. Wiggins was called last Friday afternoon to Upper Caverhill to repair the engine which was being used at Mr. Herbert Caverhill.

Mr. and Mrs. Albert Wiggins are renewing congratulations on the arrival of a fine baby boy.

On March 26th California Lodge, I.O.G.T. was recognized by Mr. Kelly. This lodge had been dormant 19 years. The books and regalia in the meantime had reposed in the home of Mr. Jas. Whitehead. An interesting fact in connection with this was that the lead pencil which was used by the secretary 19 years ago was found still

resting in the minute book ready for use. This lodge has now a membership of 30.

SCOTCH SETTLEMENT

April 11.—The weather for the past two weeks has been very warm and Spring-like and the snow has about all gone.

The lumbermen here, who had their logs in the main stream, have all got their drives to the rafting place at the mouth of Macnaquac. James Edmondson whose lumber was in the South Branch expects to be in in the course of a few days.

The Sansom brothers, are busily engaged sawing shingles. They are ably assisted in the work by Mr. John Haines of Jewetts Mills.

Mrs. George Hagerman returned home on Saturday from visiting relatives at Andover.

Mrs. Lydia Clark is visiting at Mr. H. W. Clark, Lower Line, Queensbury, just now.

Mrs. Geo. P. Christie is confined to her room by an attack of La Grippe.

Mr. E. Langille of Fredericton was calling on the farmers here, last week in the interest of the Massey-Harris farm machinery company.

ACTOR'S FINAL CALL

New York, April 11.—Harry K. Langdon, retired, one of the best known members of the old time school, is dead at the Actor's Fund Home here. Langdon played for years as a star under his own management and also with many of the leading stars, including Edwin Forrest, Edwin Booth, Lawrence Barrett, Mary Anderson and W. J. Florence. He retired in 1890 after a stage career of 47 years.

REBELS APPEARED

Constantinople, April 11.—The Albanian insurgents have settled their differences with the Turkish government and dispersed to their homes according to an official despatch received today from Pristina. The government has promised to consider their grievances and to comply with any reasonable demands if the rebels remain peaceful.

What a husband wants from his wife is not criticism but applause.