

LETTER FROM STATE CAPITOL

HOW THE FROSTS OF LAST FALL DAMAGED CROPS IN SOME COUNTIES OF THE STATE.

MORE PAROLES ARE GIVEN

Jackson Prison, State Finances and Other Important Matters of News From the Seat of Government.

[By Gurd M. Hayes.]

Lansing—While the early frosts of last fall caused serious damage to the crops in the northern part of the lower peninsula and in several counties north of the straits, the conditions are not such that a special session of the legislature will be necessary to aid the farmers whose crops were destroyed. At least this is the opinion of those who have reviewed the reports received by the Governor from county school commissioners and agricultural county agents in the northern section of the state.

Some time ago the governor was informed that the farmers in many localities were suffering as a result of the early frosts last fall which ruined the crops. Congressman McLaughlin, of Muskegon, asked Governor Ferris to make a special investigation, and believing he could obtain the best information from the school commissioners and agricultural agents the governor asked for their opinions.

Briefly, the conditions as outlined by the correspondents in the various counties are as follows:

Alger—Every farmer suffered more or less; 40 per cent of all potatoes gone.

Antrim—Thousands of acres of potato toes destroyed; remainder not fit for seed. Several families applied to the county for aid.

Alpena—Damage irregular; loss to both potatoes and corn estimated \$25,000.

Benzie—Needs help. More farmers left the county in the last eight months than have come in ten years. Children unable to attend school for lack of clothing; taxes not paid and farmers sold livestock to buy food for themselves.

Crawford—Potato and corn crop 90 per cent lost. Many left for city, but 50 per cent returned. Other crops about 40 per cent average.

Charlevoix—Frosts a real hardship in many cases everything was lost.

Delta—Loss confined to potatoes; condition serious. One carload instead of 20 average shipping rate. Seed potatoes difficult to obtain.

Dickinson—Corn crop failure; potato crop blighted; all garden truck destroyed.

Emmett—Loss estimated at \$1,000,000 and county hard hit. Condition during whole year was abnormally poor.

Grand Traverse—Nearly all lost some crops; many lost everything; potato crop entirely lost, but banks are loaning money.

Iron—Very little corn raised, but most of it destroyed. Potatoes frozen.

Leelanau—Loss 40 per cent on crops.

Mackinac—Corn and potatoes damaged.

Menominee—Potatoes and corn injured; 30 per cent below normal. Great shortage of seed corn.

Marquette—Potato crop entirely killed. No actual suffering known.

Missaukee—Most farmers suffered serious loss.

Luce—Corn and potatoes damaged; yield only 25 per cent.

Montmorency—Loss of 35 per cent on fruit, corn, beans and buckwheat. Potatoes suffered severely, but no damage to cereals.

Presque Isle—Fifty farmers in county suffered serious loss. They are without seed for this year's crops. Greatest damage to potato and oats seed. About 20 farmers have gone to work in the factories and mills.

Roscommon—Bean and potato crops the heaviest losers.

Wexford—Considerable damage to corn; many acres not harvested. Shortage of food for livestock; many settlers left the county.

Saving That Counts.

The governor is of the opinion that Jackson prison, which has been placed on a self-sustaining basis through the efforts of Warden Nathan F. Simpson, is the greatest institution of its kind in the country, and he is of the opinion that similar records can be established at Marquette and Ionia prisons as soon as the private contracts for prison labor have expired. "I would like to see Warden Simpson given a contract for ten years at an annual salary of \$10,000 per year," declared Governor Ferris. "Without legislative appropriation of any sort I am confident he would be able to build from the earnings of the institution an entirely new prison plant, modern in every detail." The governor, who has been investigating the earning powers of the various state institutions is of the opinion that considerable money could be saved and much good would be accomplished if the inmates of the various hospitals for the insane could be made to do certain kinds of farming. "I believe the insane patients would be benefited to a large degree if they were given some kind of employment," said the

governor. "The new medical superintendent of hospital for the criminal insane at Ionia has tried this experiment and has found that it has worked out in a most satisfactory manner."

A Game Problem.

State Game Warden Oates has received several complaints from non-resident anglers that property owners along some of the trout streams in the northern part of the state have stationed guards along the banks of certain streams and are preventing the fishermen from exercising the privileges according to their state license. Some of the land owners claim that inasmuch as they hold title to land on both sides of the streams they may also exercise jurisdiction over the stream. This is a point that the state game warden has referred to the attorney general for an opinion. Warden Oates is inclined to the belief that inasmuch as the state stocks these streams with fish, that abutting property owners have no right to say who shall fish in the streams. With it is conceded that a property owner might have an action for trespass should the fisherman leave the stream, the game warden cannot see where the land owner has any jurisdiction over the river bed. It is the first time that such a question has ever been raised in Michigan and the courts of this state have never had occasion to decide such a case.

More Prisoners Paroled.

Before leaving for home last week Governor Ferris signed nine paroles, although one, which was issued to William Crampton of Jackson prison, was only for a period of ten days. Crampton's wife was said to be dying in Grand Rapids and his two children were dangerously sick. Crampton was sentenced to Jackson prison from Kent county December 12, 1915, to serve from three to fifteen years for arson. Friends in Grand Rapids made a strong appeal for a permanent parole, but this was denied. However, the governor issued a special parole, whereby Crampton, accompanied by a guard, was permitted to spend ten days with his family in Grand Rapids.

Andrew Raika, a former employe of the state dairy and food commission, who was sentenced from Detroit March 15, 1915, to serve from one to two years for extortion, was also paroled. Raika was convicted of extorting money from a commission merchant who sold decayed eggs with the knowledge of the inspector.

Other paroles include John Reynolds, sentenced to Ionia from Shiawassee county, November 30, 1914, to serve from one year to life for rape; Howard Forbush, sentenced from Montcalm county to Ionia, March 2, 1915, to serve from five to ten years for arson; Everett West, sentenced from Ingham county to Ionia June 29, 1914, to serve from five to ten years for a statutory offense; John Langley, sentenced from Kalamazoo county to Ionia, October 7, 1914, to serve from five to fifteen years for horse theft; Clyde Clay, sentenced from Ingham county September 12, 1912, to serve from seven to fourteen years at Jackson for forgery; Harrison C. Hunt, sentenced from Washtenaw county to Jackson, April 21, 1915, to serve from three to ten years for obtaining money under false pretenses; Fred Danielson, sentenced from Houghton county June 3, 1915, to serve from two to fourteen years at Ionia for forgery.

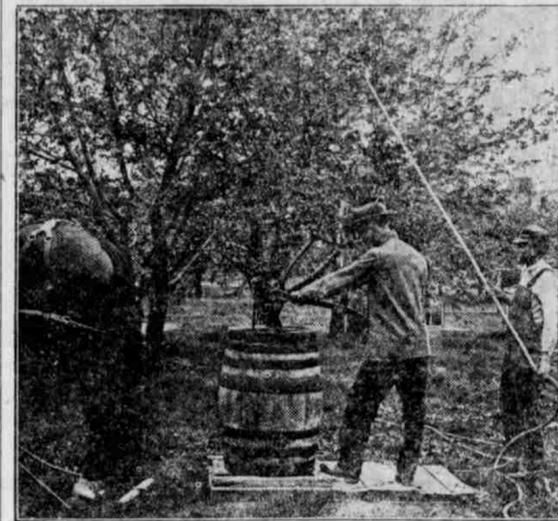
The State Finances.

Auditor General C. B. Fuller says there is little chance that the state treasury will be empty at the end of the present year, as the strong box now contains a balance of more than \$5,000,000, and unless something entirely unexpected happens, there will be sufficient funds to meet all expenses during 1916. This is a different situation than the one confronting the state officials a year ago. Predictions were made at the close of the legislature in 1915 that Michigan would be "broke" before the end of the year, and it was only by refusing to pay all claims excepting salary vouchers that Auditor Fuller and Treasurer Haarer succeeded in keeping the wolf from the door. Some of the county treasurers, according to Auditor General Fuller, have not remitted the total amount of their state taxes and he estimates that there is still \$1,000,000 outstanding that should have been paid by March 1. The auditor general sent warning letters to twenty-four county treasurers informing them that their delinquent returns must be made to his department before the first day of June. If this is not done the delinquent taxes will be charged to the counties failing to make returns. The treasurers failing to file delinquent returns represent the following counties: Barry, Benzie, Hillsdale, Kent, Keweenaw, Manistee, Mecosta, Oakland, St. Joseph, Tuscola, Van Buren, Wexford, Alpena, Alger, Bay, Grand Traverse, Houghton, Mackinac, Montmorency, Muskegon, Ogemaw, Schoolcraft, St. Clair and Calhoun.

Safety First.

State Fire Marshal Winship is receiving assurance from fire chiefs and chiefs of police throughout the state that his ruling relative to the sale of death-dealing explosives used in Fourth of July celebrations, will be rigidly enforced this year, and merchants, too, have shown a disposition to co-operate with the fire marshal.

MAKING BATTLE ON THE CODLING MOTH



Ordinary Barrel Sprayer Does Well for Orchards of Less Than Five Acres.

(By T. J. TALBERT, Missouri College of Agriculture.)

Spray the apple trees immediately after the blossoms or petals fall in order to fill each little calyx cup or cavity with poison. About three-fourths of the codling moth worms which hatch from eggs three or four weeks later enter the apples through this cavity. If we succeed in putting a few grains of arsenic in each little calyx cup the first meal the apple worm takes will be its last one.

Since the calyx cups stand wide open for only a week or ten days, the spray must be applied within this time in order to be effective.

Commercial lime sulphur at the rate of 1 1/2 gallons to 50 gallons of water, and arsenate of lead paste at the rate of 2 or 2 1/2 pounds to each 50 gallons of spray mixture should be used.

The trees should not be sprayed while in full bloom. Such work would interfere with pollination, without which fruit cannot set, and destroy the fruit grower's best friend, the honey bee. It is safe to spray when two-thirds of the petals have fallen, because the flow of nectar has practically stopped and few, if any, bees will be injured.

This should be the most thorough and drenching spray of the season. A nozzle throwing a rather coarse drive



Light Power Spray Should Be Used on Orchards of Five Acres or More.

ing spray with high pressure should be used in order to force the poison down deep into the calyx cups.

Most Important Spray. This is the most important single spray of the season. It not only controls the first brood larvae of the codling moth, but it also prevents, to a great extent, the losses occasioned by the later broods of the pest. It is also an important spray in controlling the lesser apple worm, plum curculio, cankerworm, apple scab, black rot and other less important insect pests and fungous diseases.

Later Sprays Necessary. The next spray should be applied about two or three weeks after the calyx spray. This will be about the time the majority of the first brood codling moth eggs are hatching, and if the surface of the leaves and fruit is thickly peppered with the poisonous spray many of the worms will be killed by feeding slightly before they reach the blossom end of the little apple. Since this is also the first important spray against apple blotch, bordeaux mixture should be used with the arsenate of lead if this disease is prevalent in the orchard.

About eight or nine weeks after the blossom or calyx spray the third application should be made, using the same spray chemicals. This is an important spray against the second brood of the codling moth and lesser apple worm, also the plum curculio, apple blotch and other insect pests and diseases. Later sprays may be necessary, but under average conditions the work as outlined above, if thoroughly done should control not only the codling moth but the other more important insect pests and diseases of the orchard. Other spray schedules might be suggested, but this is the one which has given the best results in the tests of the Missouri agricultural experiment station.

CONFERENCE FOR RURAL LEADERS

ANOTHER LINE OF THE STATE COLLEGE'S WORK FOR THE BENEFIT OF FARMERS.

SPECIAL INSTRUCTIONS NOW

The Opportunity to Acquire Valuable and Important Information is Open to All Who Desire It.

East Lansing—Acting upon the unanimous request of those who attended the rural conference at M. A. C. a year ago the College has scheduled another conference for rural leaders this coming summer. The dates are from July 11th to 22d.

During this time the College will offer a well-rounded course of lectures dealing with all phases of rural leadership. Supt. Warren H. Wilson, of New York City, undoubtedly the greatest authority on the Rural Church today, will give ten lectures dealing with this subject. Prof. T. J. Meek, of James Milliken University, will give ten lectures on "Old Testament Prophets," as interpreted from the historical, economic and sociological points of view. A course of talks on the educational activities of the church will be in charge of Rev. A. R. Atwood of Lansing.

In addition to these the College will also offer a series of popular lectures on agricultural topics dealing with agricultural resources of Michigan, extension activities, horticulture, dairying, poultry raising, soils, etc. It will be the aim in these to provide a background for the right view of rural problems.

The Michigan Agricultural College is coming to believe that it has a responsibility in developing the right kind of social success in country communities as well as economic success.

POISON SPRAY FOR THE YOUNG BORERS

Common Chemical May Be Used to Advantage in Destroying Insects on Trees.

Common spray chemical may be used to great advantage on the trunks of trees at definite periods for borers. When the trunk is kept well covered with a thin film of poison, the young borer, soon after hatching, will eat of this upon entering the bark, and his first meal will end him at once. As the period of hatching extends over several months, during which time the bark on the trunks cracks from the expansion beneath it due to growth, the application of poison must be made more frequently.

Before June 1 or as early thereafter as possible, make a thorough spray of all trees for borers. Apple-tree borers are usually found above ground and these are best destroyed by injecting a few drops of carbon bisulphide into their tunnels and plugging them tight with soft clay or putty. Remove the earth to the depth of four to six inches about peach trees and cut out all borers possible with thin pruning knife.

After thus removing all borers that can be found spray or paint the trunks of the trees with a mixture of eight to ten pounds lead arsenate paste and 50 gallons of dilute lime-sulphur solution, one part to four or five of water. Mound the earth about the trees to the height of six or eight inches. Repeat the application about the middle of July and again in the middle of August. This application is a preventive measure and not a remedy for the borers already in the tree.

NECESSARY WORK IN GARDEN AND ORCHARD

Growing Fruits Depend Largely Upon Bees to Help Distribute Pollen Among Trees.

Horticulture and apiculture are very closely related. Growing fruits depends very largely upon bees to help distribute pollen from one tree to another and not leave every flower dependent upon its pollen or fertilization. Then the flowers of fruit trees and the cover crops in the orchard provide honey for the bees.

We are as farmers beginning to appreciate the interrelation of the various divisions of agriculture and are therefore making better use of our opportunities as farmers.

Taking flowers for instance. They beautify the home grounds, provide honey for bees and give the mother and daughters outdoor exercise, experience with plants and a love for the ethical and beautiful. This makes the keeper of the home a better companion, which of course encourages the farm manager to do his best farming.

The garden and the orchard teach very valuable lessons in intensive cultivation. In the garden, the orchard and the flower beds one sees the advantages and opportunities for using manure; application of fertilizer; mulching, intensive tillage; selection, training of plants and many other things that might not be observed in the field.

A Brooklyn Druggist Praises the Great Kidney Remedy

I have handed Dr. Kilmer's Swamp-Root, kidney, liver and bladder remedy for twenty years and have heard plenty of favorable reports concerning it from my customers. They are satisfied with the results obtained from its use. I know of many cases where Swamp-Root has cured Stone in the Bladder, Gall Stones, Gravel, Catarrh or Inflammation of Bladder, Liver trouble and Rheumatism. I have used it in my own family with good results; and I heartily endorse Dr. Kilmer's Swamp-Root and believe it has good curative value.

Very truly yours,
ALEX. LIPSCHITZ, Druggist,
84 North 6th Street,
Brooklyn, N. Y.

November 12th, 1915.
Prove What Swamp-Root Will Do For You. Send ten cents to Dr. Kilmer & Co., Binghamton, N. Y., for a sample size bottle. It will convince anyone. You will also receive a booklet of valuable information, telling about the kidneys and bladder. When writing, be sure and mention this paper. Regular fifty-cent and one-dollar size bottles for sale at all drug stores.—Adv.

Largest Car Ferry.

The largest car ferry in the world transports both freight and passenger cars across Carquinez straits, between Port Costa and Benicia, Cal. It recently has been put into operation as a part of the Southern Pacific railroad. The ferry boat is 43 feet long. The hull and superstructure are of wood and required over 2,000,000 feet of lumber. The lumber is held in place by 75 tons of spikes and many tons of smaller nails. The ferry has a capacity of 36 freight cars and two engines, or 24 passenger cars with electric power.

RED, ROUGH, PIMPLY SKIN

Quickly Cleared by Cuticura Soap and Ointment. Trial Free.

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Free sample each by mail with Book. Address postcard, Cuticura, Dept. L, Boston. Sold everywhere.—Adv.

Lazy Officer.

Sergeant (at drill)—Company! two paces forward, march!
Old Countrywoman (looking on)—That's just like them officers! Couldn't he take two paces farrard 'useful, instead o' moving the whole regiment? —London Opinion.

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Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it bears the Signature of *Dr. J. C. Fletcherson* In Use for Over 30 Years.

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Every woman thinks she is a prima donna when it comes to putting a baby to sleep.

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A bad back makes a day's work twice as hard. Backache usually comes from weak kidneys, and if headaches, dizziness or urinary disorders are added, don't wait—get help before the kidney disease takes a grip—before dropsy, gravel or Bright's disease sets in. Doan's Kidney Pills have brought new life and new strength to thousands of working men and women. Used and recommended the world over.

A Michigan Case

James Greenman, 142 E. Adam St., Ionia, Mich., says: "I was laid up for three months with terrible pains in my back. I had headaches and dizzy spells, was nervous and lost forty-five pounds in weight. Instead of an operation, as the specialist suggested, I used Doan's Kidney Pills and they permanently cured me."

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IN BED MOST OF TIME

Her Health Restored by Lydia E. Pinkham's Vegetable Compound.

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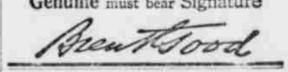


work and washing for eleven and I can truthfully say Lydia E. Pinkham's Vegetable Compound has been a godsend to me for I would have been in my grave today but for it. I would tell all women suffering as I was to try your valuable remedy." — Mrs. Wm. Green, 322 S. Addison Street, Indianapolis, Indiana. There is hardly a neighborhood in this country, wherein some woman has not found health by using this good old-fashioned root and herb remedy.

If there is anything about which you would like special advice, write to the Lydia E. Pinkham Medicine Co., Lynn, Mass.

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Can quickly be overcome by CARTER'S LITTLE LIVER PILLS. Purely vegetable — not a cure and gently on the liver. Cure Biliousness, Headache, Dizziness, and Indigestion. They do their duty. SMALL PILL, SMALL DOSE, SMALL PRICE. Genuine must bear Signature



He Did Write "Them Plays."

James T. Fields, one of the notable publishers and also a man of letters, relates that when he went to Stratford he met a native of that country. He told the native that he had come to see the home of Shakespeare.

"That's all right," said the man of Warwickshire, "but for my part I don't believe Shakespeare would be heard of now if he hadn't wrote them plays."

Love Finds a Way. "But your fiancé has such a small salary; how are you going to live?" "Oh, we're going to economize. We're going to do without such a lot of things that Jack needs."

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