

THE COLUMBIAN.

BLOOMSBURG, PA.

THURSDAY, MAY 20, 1909.

Weekly Press News Letter.

On Timely Topics of Plant Pests.

From the Division of Economic Zoology-Department of Agriculture. By H. A. Surface, State Zoologist, Harrisburg, Pa.

ASK THE PROFESSOR QUESTIONS.

Any of the readers of this paper desiring information in regard to the enemies and diseases of fruit trees, or other plants of the garden and farm, should write at once to Prof. H. A. Surface, State Zoologist, Harrisburg, Pa., who takes pleasure in answering questions on such matters.

Professor Surface is daily in receipt of letters from all over the State, which cover a wide range of subjects, from spraying for the destruction of San Jose scale and oyster shell bark louse to the ridding of cellars of rats and mice. A case in point may be mentioned:

A physician wrote to inquire "whether or not camphor is the best preventative of moths in cases containing clothing." As this is the season of the year when winter clothing is being put away until needed again, and housekeepers want to know how to keep the moths from destroying the same, the Professor's answer is apropos. He replied as follows:

TO PREVENT DAMAGE FROM MOTH.

"As a preventative of moths in cases containing clothing, there is nothing like making the cases in which they are packed so tight that the moth can not enter to lay her eggs, from which eggs the larvae come. I prefer naphthaline balls to camphor, but if the garments are wrapped in newspapers and put into a protected case and this sealed with strips of paper pasted over the cracks at every possible point of entry, to keep out the moths, there will be no danger of the moths developing. Camphor or naphthaline balls can be used in the packages also, but these alone will not prevent the occurrence of the moths, nor destroy the moth larvae after they have entered. The chief point in protecting fabrics from destruction by moths is to keep them in a vessel where the little winged moth can not enter to lay its eggs. An aid to this is the use of some substance like the balls above mentioned, which act as a repellent. After the clothing is attacked destroy the pests at once by fumigating with bisulfide of carbon."

The State Zoologist of Pennsylvania recommends one pound of his liquid to each 100 cubic feet of space, either sprinkled on cloth or poured into shallow vessels placed on it.

SCALE ON HEDGE FENCES.

Osage orange hedges in some sections of the State have become infested with San Jose scale, according to information received by the Division of Economic Zoology of the State Department of Agriculture that they are proving a serious menace to the fruit trees of the respective localities in which the insect has thus appeared. These hedge fences seem to be regular breeding or lurking places of the scale, especially when the hedges are given but little attention in the way of pruning.

To hold the scale in control on such fences, it would be well to prune the hedges back or cut them low, and spray them thoroughly with boiled lime-sulfur wash. This can be done at almost any time for his kind of hedge.

When the osage orange fence is allowed to grow tall and rank it becomes one of the worst of nuisances. The danger lies in the likelihood of the scale spreading to adjacent fruit trees. There is little possibility of its attacking trees of

STATE OF OHIO, CITY OF TOLEDO, LUCAS COUNTY, ss.

Frank J. Cheney makes oath that he is senior partner of the firm of F. J. Cheney & Co., doing business in the City of Toledo, County and state aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of Hall's Catarrh Cure.

FRANK J. CHENEY.

Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1886.

(SEAL.) A. W. GLEASON, NOTARY PUBLIC.

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

J. CHENEY & CO., Toledo, O. Sold by all Druggists, 75c. Take Hall's Family Pills for constipation.

the forest. Fortunately, most of the trees of our forests are practically exempt from invasions of the San Jose Scale.

ARSENATE OF LEAD AND BORDEAUX FOR CODLING MOTH.

Prof. H. A. Surface, the State Zoologist, prefers arsenate of lead to Paris green for adding to the Bordeaux mixture, to be used in killing fruit and foliage eating insects.

In answering a letter received from a farmer requesting information in regard to arsenate of lead, the Professor wrote as follows:

"Concerning the use of arsenate of lead, I beg to say that it is, as you know, an arsenical poison which takes the place of Paris green or London purple. It is generally prepared in paste form, coming in vessels, containing enough water to cover it. The proper way to use it is to stir it into a thin paste with a slight quantity of water, using a paddle so that it can be ground against the sides of the vessels containing it, making a paste and thus breaking the lumps. After a uniform paste is made, with the lumps all crushed, more water can be added and this then should be stirred, poured and strained into the spray tank. It can then be used the same as Paris green. Being partly suspended and partly dissolved in the water, it sticks better than Paris green, as it sticks like house paint, and thus would not be washed off by ordinary rains, nor blow off readily by the wind.

A great deal more can be used without injury to the foliage than in using Paris green, and this means that it is more liable to poison the pests for which it is applied.

The formulae for the arsenate of lead vary a great deal. Some persons recommend as high as three pounds to fifty gallons of water, while many give the standard formula as to pounds two fifty gallons, but I am now well satisfied that if you use a good quality of arsenate of lead, one pound in fifty gallons will do the work perfectly. This is what I shall use in our demonstration orchards this year and I am satisfied that we will have as good results as we had last year from the two pounds to fifty gallons.

In using the arsenate of lead, I would recommend adding it to Bordeaux mixture, and using the combined preparation. Make the Bordeaux with three pounds of bluestone and four of lime in fifty gallons of water, and add a pound of arsenate of lead to this, the same as though it were plain water instead of Bordeaux. This formula is all right for potatoes, apples, pears and quinces, but for peaches and plums the bluestone should be reduced to one-half the amount here mentioned. It is considered that in spraying smooth plants like cabbage, the smooth fruits of plum and grape, etc., on which Paris green does not stick, arsenate of lead is better, as this poison does stick and consequently, kills the pests where other materials could not be used with satisfactory results.

It has been said by some that arsenate of lead and Bordeaux will not go well together for chemical or other reasons, but I know that we used them last year in combination and destroyed 95 to 98 per cent. of codling moth in nearly all our demonstration orchards over this State, and we are so well satisfied with the results from the practical side, that we are recommending this, and can not for a moment doubt the advisability of the combination.

The arsenate of lead will not injure chickens by sprinkling grass under trees sprayed with it, as they will not eat enough grass with it to be injured. Of course if any animals or fowls should drink water that is strongly impregnated by the poison they would doubtless be injured or killed.

Also, the possibility of injuring cattle is very slight indeed. If orchards should have a considerable quantity of long grass when spraying is done, and should be sprayed in such a way that this grass is thoroughly covered with any arsenical poison, and the cattle be permitted to eat it before rains wash it, there might be danger of injury. I have known of but one case of poisoning, and that was when a cow was permitted to drink the preparation after it had been mixed and left standing in a barrel in the orchard. This was, of course due to carelessness and not to application as a spray."

The engagement of Governor Johnson to lecture at the Normal School has been cancelled by him. Dr. Hillis has been secured in his stead. Dr. Hillis is well-known here as an orator.

Children Cry FOR FLETCHER'S CASTORIA

THE JUNE PRIMARIES. [Continued from 1st page]

son, C. H. Fruit; Main, James M. Platt; Mifflin, John H. Eisenhauer; Millville, M. W. Shoemaker; Montour, J. Harry Mensch; Orangeville Boro., Clinton Herring; Pine, N. C. R. Kinney; Pine, S. E. C. Stackhouse; Scott, E. H. C. Dieterick; W., Frank Hippensteel; Sugarloaf, N., A. B. VauSickle; Sugarloaf, S., F. P. Hartman; Stillwater Borough; A. B. McHenry; West Berwick, 1st ward, E. W. Young; Franklin R. Clemens.

REPUBLICAN COMMITTEEMEN.

The list of candidates for Republican committeemen is as follows:

Beaver, Nathan Rice, Albert Mummey; Benton Borough, Chas. P. Trump; Benton township, E. R. Wilson; Berwick, N. E., Harry Grozier, Henry F. Traugh; Berwick, S. E., C. F. Lenart, D. K. Dayman; Berwick, N. W., Web. Gensil, James Lee, Willard Hartman; Berwick, S. W., C. E. Lenart, J. H. Catterall; Bloom, 1st, W. R. Ringrose; Bloom, 2nd, Harry S. Barton, Clyde Chas. Vetter; Bloom, 3rd, Calvin P. Girton, R. A. Hicks; Bloom, 4th, Hope Penman, Jacob Stiner; Briarcreek, East, M. M. Miller, S. F. Ridall; Briarcreek, South, Bennet Hicks, H. F. Rittenhouse; Briarcreek, West, D. W. Martz; Catawissa township, George L. Murray; Catawissa Borough, John Fortner, John R. Diemer; Centralia, 1st, John W. Wills, John R. White; Centralia, 2nd, W. W. Heffner, William J. Hanley; Center, North, James L. Williams, Frank Harris; Center, South, J. C. Cryder; Cleveland, George B. Sigmund; Conyngham, W. N., James Kostenbender; Conyngham, W., No. 1, George W. Leckie; Conyngham, W., No. 2, John Kerton; Conyngham, S. W., John Jones; Conyngham, S. E., Wm. Dunlavey; Fishingcreek, E., Harrison Hess, S. J. Harrison; Fishingcreek, W., W. H. Bowman; Franklin, Charles E. Bucher; Greenwood, E., John W. Bowman, Adam E. Black; Greenwood, W., H. B. Rote, R. H. Barde; Hemlock, N., W. B. Pursel, G. W. Hartman; Jackson, Clinton Sones, E. F. Strauch; Locust, North, Benj. Waters, Locust, South, J. C. Wintersteen; Madison, Wm. Eves; Main, W. Earle Brown; Mifflin, A. W. Bowman Thomas Fairman; Millville, J. W. Biddle; Montour, Arthur Roberts, Charles T. Geese; Mt. Pleasant, J. E. Sands; Orange township, James F. Trump; Orangeville Boro., William Marr, Leland Allabach; Pine, North, J. D. Potter, Daniel W. Ludwig; Pine, South, Geo. N. Moser; Roaringcreek, C. M. Yocum; Scott, East, D. E. Hughes, W. A. Snyder; Scott, West, J. L. Darrah, W. M. Robbins; Sugarloaf, North, J. Wesley Harvey, B. S. Brush; Sugarloaf, South, T. A. Ruckle, John S. Keeler; West Berwick, 1st Ward, E. E. Kelley, Wm. A. Linden; West Berwick, 2nd Ward, W. W. Shannon.

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Our Pianos

are the leaders. Our lines include the following makes:

CHAS. M. STIEFF, HENRY F. MILLER, BREWER & PRYOR, KOHLER & CAMPBELL, AND RADEL.

IN ORGANS we handle the ESTEV, MILLER, H. LEHR & CO. AND BOWLBY.

This Store has the agency for SINGER HIGH ARM SEWING MACHINES and VICTOR TALKING MACHINES.

WASH MACHINES

Helby, 1900, Queen, Keystone, Majestic.

J. SALTZER,

Music Rooms No. 105 West Main Street, Below Market. BLOOMSBURG, PA.

Preparing for the State Election.

As the spring primaries for the nomination of candidates for the fall elections are but little over two weeks ahead, Democrats are beginning to suggest suitable candidates for the State Ticket. For the nomination for Supreme Court Justice, to succeed Justice Mitchell, Justice Samuel Gustine Thompson and John Cadwallader, of Philadelphia, former Attorney General W. U. Hensel, of Lancaster, and former Congressman Simon P. Wolverton, of Northumberland county, excellent names, are most frequently mentioned. For Auditor General, Senator Edward F. Blewitt of Lackawanna, Representative John M. Flynn of Elk, and Representative R. Scott Ammerman of Montour, have been suggested, and for State Treasurer, either Representative Jerome T. Ailman of Juniata county or Representative Leopold Fuertch of Wayne county is likely to be chosen.

REDUCED RATES TO GETTYSBURG.

Dedication Regular Army Monument. On Monday, May 31, Memorial Day, the monument to the regular army engaged in the battle of Gettysburg will be dedicated on the Battlefield by the United States Government. President Taft will participate in the ceremonies. Excursion tickets to Gettysburg will be sold by the Pennsylvania Railroad from all principal stations May 27 to 30, good to return until June 3, inclusive, at reduced rates. May 20, 27.

Joy Riders.

Judge C. B. Staples, of Stroudsburg, has very pronounced opinions of joy riding with another man's wife. On Monday the Judge was hearing evidence in a desertion case. He said: "No married woman who has any respect for herself will go out riding at night without her husband's consent, and if he gives such consent he is a fool."

MANY A DAY IS SPOILED

By a cough which cannot be broken by ordinary remedies. But why not try a medicine that will cure any cough that any medicine can cure? That is Kemp's Balsam. It is recommended by doctors and nurses, and it costs only 25 cents at any drugstore or dealer's. Keep a bottle always in the house and you will always be prepared to treat a cold or cough before it causes any suffering at all.

Visiting cards and Wedding invitations at the COLUMBIAN office. tf

FOR SALE!

The fine residence property of the late Judge Elwell is for sale.

Location: West Third Street between Jefferson and West Streets.

Description: Two story and attic, brick and frame. 13 rooms. Lot about 66 by 212 feet.

FRAME BARN AND COW STABLE,

large garden, abundance of fruit trees.

The house has a Steam Heating Plant, Bath Room, Stationary Range and Wash Tubs; Water, Electric Light, and Gas.

Will be sold on easy terms. Apply to GEO. E. ELWELL, Attorney. Bloomsburg, Pa.

The R. E. Hartman Store Bloomsburg, Pa. HAS JUST BEEN OPENED

with an entirely new stock, no old goods of any kind. We are starting on new plans. Every person's dollar has the same value here.

No Favoritisms, No Credits.

Your money will buy just what your neighbor gets-- No more, no less. We propose showing all the new things just as soon as they are put on the market, and at prices that will please every buyer.

Come and See Our New Store.

The R. E. Hartman Store Bloomsburg, Pa.

Alexander Brothers & Co. DEALERS IN Cigars, Tobacco, Pipes, and Confectionery. Fine Candies. Fresh Every Week. PENNY GOODS A SPECIALTY. HAVE YOU SMOKED A ROYAL BUCK or JEWEL CIGAR? ASK YOUR DEALER FOR THEM. ALEXANDER BROS. & CO., Bloomsburg, Pa.

IF YOU ARE IN NEED OF Carpets, Rugs, Matting and Draperies, Oil Cloth and Window Curtains You Will Find a Nice Line at W. H. BROWER'S BLOOMSBURG, PENN'A.

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