

SPRAY IS NECESSARY

Many Troubles Which Contest Fruit Grower's Success.

No Other Insect Has Caused So Much Legislation as San Jose Scale—Spread Rapidly in East Despite Precautions.

(By J. G. SANDERS.)

Past and gone are those days when large crops of perfect fruit, uninjured by curculio codling moth or scab, could be harvested without thought of sprays and spray pumps, of lead arsenate or paris green, of lime-sulfur and bordeaux mixture, and of other treatments for the troubles which contest the modern fruit grower's success.

In the early days young orchards required but little care after planting other than occasional cultivation, until in due time the perfect unblemished fruit was gathered. A gradual change has taken place with the introduction and dissemination of new insect pests and plant diseases, until now spray apparatus and materials are absolutely necessary.

These changing conditions have taught us a strong lesson of the possibility of even more disastrous introductions of pests. There are still many



Dead White Birch Trees. These were killed on the Campus of the University of Wisconsin by the Bronze Birch-Borer.

serious pests in foreign lands which have not become established in our country, but doubtless will be sooner or later if systems of rigid inspection of imported plant material are not soon inaugurated.

The awakening of the entomologists and the public in general to the danger of introducing serious insect pests and fungus diseases, was caused more largely by the introduction of the San Jose scale than any other one factor. No other insect has caused so much state and national legislation as the San Jose scale (a harmless insect in its native country in central China), which infests a wide range of fruit trees as well as many ornamentals. The damage caused by this tiny insect was early recognized by entomologists and means were sought to prevent its spread. But before adequate means of control were discovered, it had gained a foothold in many sections of some of our eastern states, and in spite of all precautions has gradually spread.

What is true of fruit trees is also true of shade trees. Take, for instance, the injury to our beautiful birch trees by insects. Such a general destruction of birch trees in ornamental plantings has occurred in the past four or five years throughout some sections, that the attention of a great many people has been attracted to the loss.

The small white larva of the bronze birch-borer burrows just beneath the bark, eating its way irregularly around the trunk and limbs of the tree in the sap-bearing layers, leaving winding galleries of castings and cutting off the flow of sap beyond the point at-



Work of Brown Birch-Borer.—1. Infested limb showing raised ridges. 2. Bark removed to show galleries of boring larvae. 3. Larva hibernating in a cell bored in the solid wood.

tacked. On the younger branches these winding galleries are revealed by the corresponding ridges on the exterior of the limb.

No adequate remedy has been found to combat this pest. It is always advisable to cut out and burn all infested limbs very early each year before the adults emerge.

Until this serious infestation passes over, it is not advisable to plant any birches, for loss of the tree is almost sure to result.

Improving Hog Industry.

When farmers realize the possibilities of exclusive pork growing as a specialized branch of the animal industry, and evolve systems of farm management adapted to the business, it will become attractive to business farmers, and herds of well-bred hogs will become common in many localities where few good hogs are now seen.

Recognize Poor Fences.

If you put hogs in yards where the fences are poor, don't be surprised if you have a job chasing them three or four times a day. If they get a notion of getting out, it is hard work to break them of it.

WAY TO RAISE THE DAHLIAS

Plants Grow Stronger From Cuttings and Roots—Mode of Planting of Much Importance.

(By HENRI BEAULTIEN.)

A good dahlia must bloom from July until frost; and if it does not, discard it. I saw some beautiful flowers on some plants in July and August, very double, fine striped. By the middle of October the flowers were half the size; what were striped before, at that time were of one color, and nearly single.

We had Keyne's White for several years; it grew four feet tall; last year it grew eight and ten feet. A plant like that is no more good. Dahlias can be grown from seeds; they grow stronger than from cuttings and roots, only it is hard to find good seeds, now we are in the cheap-seed business, but the man who has good article does not sell 25-cent packets for 10 cents.

If you want dahlia roots for next year, plant them in small pots and let them remain all summer. Keep them over winter like the old roots; and start them again in the spring. I do not say this is absolute, but it is the best way to raise dahlias so far.

The specialist does it, and it is my experience since 1867. It is claimed by dahlia growers that dividing the roots will degenerate almost all the varieties; that is the reason we have such a few good flowers.

Of course a good many will believe that a cutting will not flower and make roots to keep over winter, but it is not true; they were raised that way many years ago, and that is the way they are raised today, in England, France, Germany and other countries except the United States.

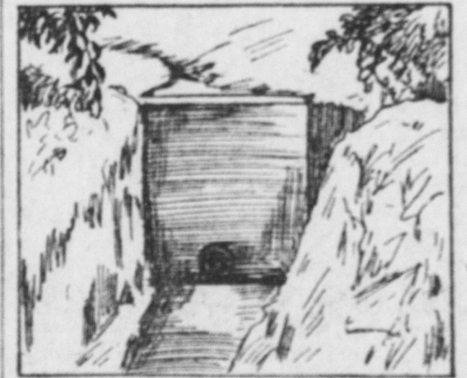
It is the reason, too, that the Americans do not care much for dahlias; they have been deceived too much. They buy old roots and get an old degenerate plant, sometimes six feet tall and more, and not a blossom in sight.

In October, when the nights are cool, the degenerate shows buds, and if the frost does not catch them, they will flower maybe two weeks, and the flower be deficient in color and size. They blame the weather, etc., it is not the weather altogether, but the mode of planting.

PROTECTS THE DRAIN MOUTH

Entrance Can Be Kept From Being Closed by Building Cement Wall—Wires Keep Cattle Away.

The bank at the mouth of a drain should be kept from caving and closing it. This can be done with a cement wall, or a stone and brick wall serves the same purpose. Any injury



Protected Drain Mouth.

to the mouth of the tile whereby the water is held is ruinous to the whole system. Wires placed over the end will keep stock from damaging it.

FEW FLOWER GARDEN NOTES

Tulip Bulbs Should Be Lifted, Divided and Reset Every Third Year—How to Pot Lily.

(By L. M. BENNINGTON.)

Tulips increase by bulbets which issue from the side of the larger bulbs. Under certain conditions, too, the larger bulbs split up into smaller ones. In a well-drained, sunny bed the bulbs will live and increase from year to year, but should be lifted, divided and reset every third year, as the clumps become too much crowded to thrive and bloom.

In potting lilies, set the bulbs two inches or more beneath the soil. The larger the pot, the larger will be the plant. Auratum, Speciosum, Longifolium and Brownii are all suitable for pot culture. After potting, water and set in a dark closet or cellar, keeping the soil moist until roots form and the tops start, when the roots may be brought to a cool window, say in January or February, if early started.

The lilies named are not suitable for winter blooming, but will bloom in the spring if treated as suggested. The Amazon lily (Eucharis) may be similarly cared for, but requires more heat, as it comes from a warm country.

Drain on Brood Sow.

The incessant and continuous demand on a brood sow, when suckling a large litter of pigs, is such a drain on her system that it creates an appetite that will require generous feeding for the good of the sow, pigs and the man who contemplates getting quick returns from them.

Selection of Cockerel.

All other things being equal, pick out for a breeder the cockerel that matures first, as indicated by red comb and wattles, general scapiness and early crowing. His offspring will develop earlier than those of his slower maturing brother. They will lay earlier on the female side and be ready to kill earlier on the male side

SANITARY BOARD WINS TEST CASE

Court Upholds Validity of Agreement Cattle Owners Must Sign

DECISION IN NORRISTOWN

Members of Firm Convicted After Receiving \$221 from State for Indemnity—Ordered to Return Money with Interest and Costs.

(Special Harrisburg Correspondence.)

Harrisburg.—The State Live Stock Sanitary Board has won its test case to decide the legality of the agreement which persons desiring indemnity from the State for cattle destroyed must accept before receiving State funds.

The case was decided at Norristown, the defendant being the firm of Davis and Lampert, of Norristown, whose herd of cattle numbered forty. Under the indemnity law, cattle owners must sign an agreement if more than 20 per cent. of the herd is affected by tuberculosis and their cattle are killed by the State. This agreement provides they have another test of the cattle made within six months, and binds them to follow the suggestions of the board to prevent re-infection. The Norristown firm signed this agreement and did not live up to it after receiving \$221.39 from the State. The members of the firm were convicted and ordered to return the money with interest and pay the costs.

State Veterinarian Marshall has not yet been advised what action Auditor General Powell will take in regard to the hold-up of \$22,900 carried in the general appropriation bill for the indemnity of farmers whose cattle were killed last year. In addition to this amount, Dr. Marshall says that the \$25,000 for the indemnity of butchers is also being held up, making the total amount \$47,900.

A prosecution has been ordered against Robert Owen, of Duncannon, by the board for selling a diseased cow to S. Spurgin, a butcher, of this city, who was ready to cut the animal when the State confiscated the carcass.

The cow, it is said, was suffering from inflammation, which resulted in blood poisoning. The State board became acquainted with the facts through agent A. O. Cawley, but the carcass had been shipped to Harrisburg before the agent could get it.

State Pays Out \$2,000,000.

Since it became known that only certain appropriations would be held up by Auditor General Powell, the demand for State money by institutions and others entitled to State funds has been so great that within two weeks more than \$2,000,000 has been drawn from the State's inactive depositories. Within the next three months it is expected \$3,000,000 more will be drawn out.

A conference was held by Auditor General Powell and a subcommittee of the Board of Public Charities regarding the making of uniform reports by all institutions under the supervision of the State Board. The board will require that the reports be uniform, and all these institutions also must install at once a uniform system of booking. Samuel E. Gill, Pittsburgh, is chairman of the subcommittee. General Agent Bromley Wharton met with the committee.

Powell Names Four Clerks.

Auditor General Powell announced the names of four of the new clerks who have been appointed to fill vacancies in his department caused by the dropping of seven attaches last week. They are J. S. McDonald, Baden, Beaver county; M. R. Winters, Somerset county; J. N. Swearingen, Beaver county, and Floyd Hess, Luzerne county.

Cold Storage Plants.

One hundred applications for licenses have been made to Dairy and Food Commissioner James Foust by cold storage warehousemen and these licenses are being furnished as rapidly as possible.

The new law makes the operation of a cold storage warehouse without a license punishable by arrest and a fine of \$500. Mr. Foust said that it will be his duty to examine all cases of those persons operating without licenses and to enforce the law against all who have failed to apply for licenses. Commissioner Foust will go to Philadelphia where a great many cold storage plants are arranging to comply with the law.

Purchase of Schools.

The State Board of Education will take steps to purchase the California, Edinboro and Lock Haven State Normal schools. The State now owns considerable of the stock of these schools and has acquired possession of the West Chester school.

New Office in Nine Counties.

The new county controller act, applying to counties having a population between 100,000 and 150,000, will affect but nine counties. There are ten counties having such a population, but under an old act it was optional with such counties whether or not they should elect a controller or three auditors. Washington county, with a population of 143,000, is the only one to take advantage of the optional clause. It has been mandatory since 1895 for counties having a population of more than 150,000 to elect controllers.

NOT HARD TO MAKE A GUESS

Asylum Superintendent Does Not Reveal Name of Last Relative to Visit Lunatic, but We Know It.

The lunatics tore up and down the white beach; they howled and leaped in the blue sea, quite like sane people.

"They enjoy the summer outing at our shore branch," the superintendent said. "It does 'em good, poor dubs!"

"It's a funny thing about a lunatic's relatives. There are reliable statistics about the way a lunatic's relatives stand by him.

"The relative who stands by a lunatic least, who stops visiting him in the asylum first of all, is a brother. The next relative to drop off is a wife. That sounds hard, but it's true. Don't count on your wife if you are going to become a lunatic. Next, husbands drop off. A little truer than wives husbands are, but only a little. Next fathers abandon the lunatic. Next sisters.

"One relative never abandons him till she dies, or he dies, she comes regularly on visiting day, bringing underwear and ties, cakes and tobacco—provided, of course, that the lunatic's a male. If it's a female this relative is equally faithful. And even though, as sometimes happens, the poor, mad creature hates her, curses her, tries to strike her when she visits him, she still remains faithful. When her visits cease they cease for only one reason—death.

"Nor do I need to tell you which relative this one is."

Climbing Up.

"Art in America is not respected," said Arthur Stringer, the poet and novelist. "What ice does a poet cut among us compared with a Rockefeller or a Carnegie?"

"Poets are rated incredibly low here. As I reclined in a hammock poetizing on a farm lawn last week, a tramp approached and asked the farmer's wife for pie.

"She gave him pie, and, while he ate, they conversed. I heard a snatch of their conversation.

"You say you used to be a poet?" said the woman.

"Yes'm," replied the tramp. "That's how I got my start."

Hadn't His Advantage.

A trio of professional story-tellers were in a cozy corner of the club, spinning yarns. Brown had just told a most unbelievable story, and the other two glanced at each other questioningly. "Well, I assure you, gentlemen," said Brown, "if I hadn't seen it myself I shouldn't have believed it." "Ha—h'm—well," said one of the two doubtful ones, "you must remember old man, that we didn't see it."

Important Measures Made Law.

Among the notable advances in the legislative enactments of this year, are the tuberculosis registration law of Colorado; laws providing for subsidies to local hospitals in Minnesota and Wisconsin, an act providing for the establishment of county hospitals in Indiana, and the establishment of state bureaus for the prevention of tuberculosis in Ohio and California.

At the Railway Restaurant.

"What shall I order for lunch?" "Since you need iron in your blood, why not order some railroad frogs?"

Libby's Selected Pickles

Nature's finest, put up like the home-made kind and all your trouble saved. This extra quality is true of all Libby's Pickles and Condiments and there is real economy in their use.

Spanish Olives



Every one from Seville, long famed as the home of the world's best olives. Only the pick of the crop is offered to you under the Libby label. Either the Queen or Manzanilla variety or Pimento Stuffed.

Insist on Libby's.

Libby, McNeill & Libby
Chicago



"Has Your Baby Colic?"

You can cure it in ten minutes with DR. FAHRNEY'S TEETHING SYRUP Which makes happy babies. A sure remedy for all infant complaints. Prevents Cholera Infantum. Cures bowel troubles. Babies like it because it is pleasant to take. Mothers should not be without it. Can be given to babies one day old. 25 cents, at all druggists. Trial bottle free if you mention this paper. Made only by DR. D. FAHRNEY & SON, HAGERSTOWN, Md.

Young Man Took Warning.

"Charles," said a sharp voiced woman to her husband in a railway car, "do you know that you and I once had a romance in a railway car?" "Never heard of it," replied Charles, in a subdued tone.

"I thought you hadn't, but don't you remember it was that pair of slippers I presented to you the Christmas before we were married that led to our union? You remember how nicely they fitted, don't you? Well, Charles, one day when we were going to a picnic you had your feet up on a seat, and when you weren't looking I took your measure. But for that pair of slippers I don't believe we'd ever been married."

A young unmarried man, sitting by, immediately took down his feet from a seat.

Up Against It.

"That woodpecker may be persistent, but I think he's beaten this time." "What's he trying to do?" "Drill a hole into an iron trolley pole."

Practical Virtues.

"How did that ne'er-do-well manage to live?" "In hope that if he inspired enough faith he might live on charity."

Improving on the Idea.

"Is that amateur musical organization moribund?" "It's worse than that. It's as dead as a door nail."

Fashionable Sanitarium.

"The boss is worried about the new patient." "He seems weak." "Yes, too weak to sign a check."

St. Louis trade boosters recently visited 22 cities in one week.

NO POSSIBILITY OF DOUBT

Why Western Bishop Was Convinced of the Ancient Lineage of His Eastern Entertainers.

A western bishop once attended a general convention in the east and was entertained by a New England family of long and honorable, if not lovable, lineage. They made no secret of a time-won superiority over any one from the new and crude west, and cited their Pilgrim ancestors constantly. The bishop was minded to bear this in Christian humility and forbearance, and did. But on his return home, he recounted his experiences to the wife, and she, good soul, spoke her mind as it is the privilege of her kind to do, even where mere man must be silent.

"I don't believe that their family is such an old one," she remarked. "Are you sure that their ancestors were Pilgrims?"

"I am certain, my dear," answered the bishop. "This may seem to be exaggeration, but at times you could positively detect the fragrance of the 'ayflower.'"—New York Evening Post.

Availability in Prospect.

"I fear I am not worthy of you." "Never mind about that. Between mother and myself I imagine we can effect the necessary improvements."—Chicago News.

Too Well.

"Why was that actress unsuccessful in the swooning scene?" "Because, strange to say, she made quite a faint effort."

Always Moving.

"Does Gubbles ever make a move at the club meetings?" "Oh, lots of them. He's got St. Vitus' dance."

Post Toasties

Are mighty handy to have in the house as well as mighty good to eat direct from the package with cream.



Besides being the most delicious ready cooked cereal food made of corn these crisp, crinkly flakes serve many another useful purpose in home cooking.

Rolled into crumbs and used as an outer dressing for breaded veal, lamb, chicken, pork or ham; they give a zest to the 'try' that makes the home folks ask for more.

Softened with milk and used with usual spicing and fixing as an inside dressing for baked fish or fowl they impart a delicate flavor to the finished dish, remindful of the chestnut fillings that cast a halo around the days of old-time cooking.

Post Toasties are sold by Grocers everywhere—and everywhere folks who relish good things to eat, appreciate the delicate Indian Corn flavor that makes

"The Memory Linger"