

APPLE SCAB IS CAUSE OF LOSS

A cool, wet period will result in tremendous losses to New Jersey apple growers unless they take prompt action to protect their trees against scab. This is the warning sounded by W. H. Martin, New Jersey State college plant pathologist, who continues:

"Apple scab was the cause of serious losses in many orchards last year. In a number of instances trees were completely defoliated by this disease. The fact that the fungus causing the disease over-winters on the fallen leaves makes it a serious menace again this year.

"In the old leaves, scab forms black spore-cases smaller than the head of a pin. In the spring spores mature in these and are discharged into the air during periods of rainy weather. Falling on the blossoms or young leaves, the spores germinate and produce the typical scab spots.

"The fact that the spores are mature is of extreme importance to the grower. He should be prepared to apply the pink-bud spray at once, especially in the southern counties of the state. In making this application the relation of rainfall to the discharge of the scab spores must be kept clearly in mind. Without rain there will be no spore discharge. For this reason it is very essential that the first applications be made before rather than after rainy periods. If made after the rain the treatment will be too late to accomplish the best results. The grower who applies his pink application before a rainy period and then maintains a protective coat of spray material will have no difficulty in the control of scab."

Blackberry Planting Is

Made to Last for Years

Once a blackberry planting is made, it will last for many years, but the canes last only two years. These canes grow from the crown in the spring and they live until after the fruiting season of the following year. When they die, other canes are ready to take their places, these new ones having grown from the crowns during the spring.

Since berries are borne only on canes which are in their second season's growth, it will be necessary to govern pruning accordingly.

Usually blackberries are planted just as early in the spring as the land can be prepared, preferably on fall-plowed land. The earlier the plants are set, the more chance they have of living, and the better will be their growth. Usually rows are kept about eight feet apart, and the plants are set in the rows from two and one-half to four feet apart.

Fertility Is Necessary

for a Strawberry Crop

In order for a strawberry, and particularly an everbearing strawberry, to produce its maximum, it is necessary that plenty of fertility be provided. They simply must have plant food if they are to be expected to produce. They also must have plenty of moisture. Given these requirements, berries are almost a certainty.

The plants are set just as any other strawberry plants would be set in the spring, but to give the plants an extra good start, to give them a boost that will insure a summer and fall crop, a half teaspoonful or so of sulphate of ammonia may be scattered around the plant and worked into the soil, but not brought in direct contact with the plant, of course. Keep the blossoms picked off for a couple of months and then maintain constant cultivation throughout the season, and you should have berries, unless the weather turns off extremely dry.

Increasing Interest in

Grapes Noticed in Iowa

There is a growing interest in the planting of grapes in Iowa, according to information received from the reports of the Iowa Horticultural society. Recently, a man was in the office of the society who was interested in planting a 200-acre vineyard in southern Iowa, and an inquiry which was sent out by the extension service in regard to demonstration grapevines, brought in 75 inquiries.

"Proper pruning and cultivation will greatly increase grape production," states R. S. Herrick, secretary of the Iowa Horticultural society. "Mature vines should be pruned on the long-cane system as that will give greater production than the short method. Leave eight to ten buds on each of four arms; each arm being wood that grew last year. Tie up the four arms to the two-wire trellis so as to form a double cross."

San Jose Scale

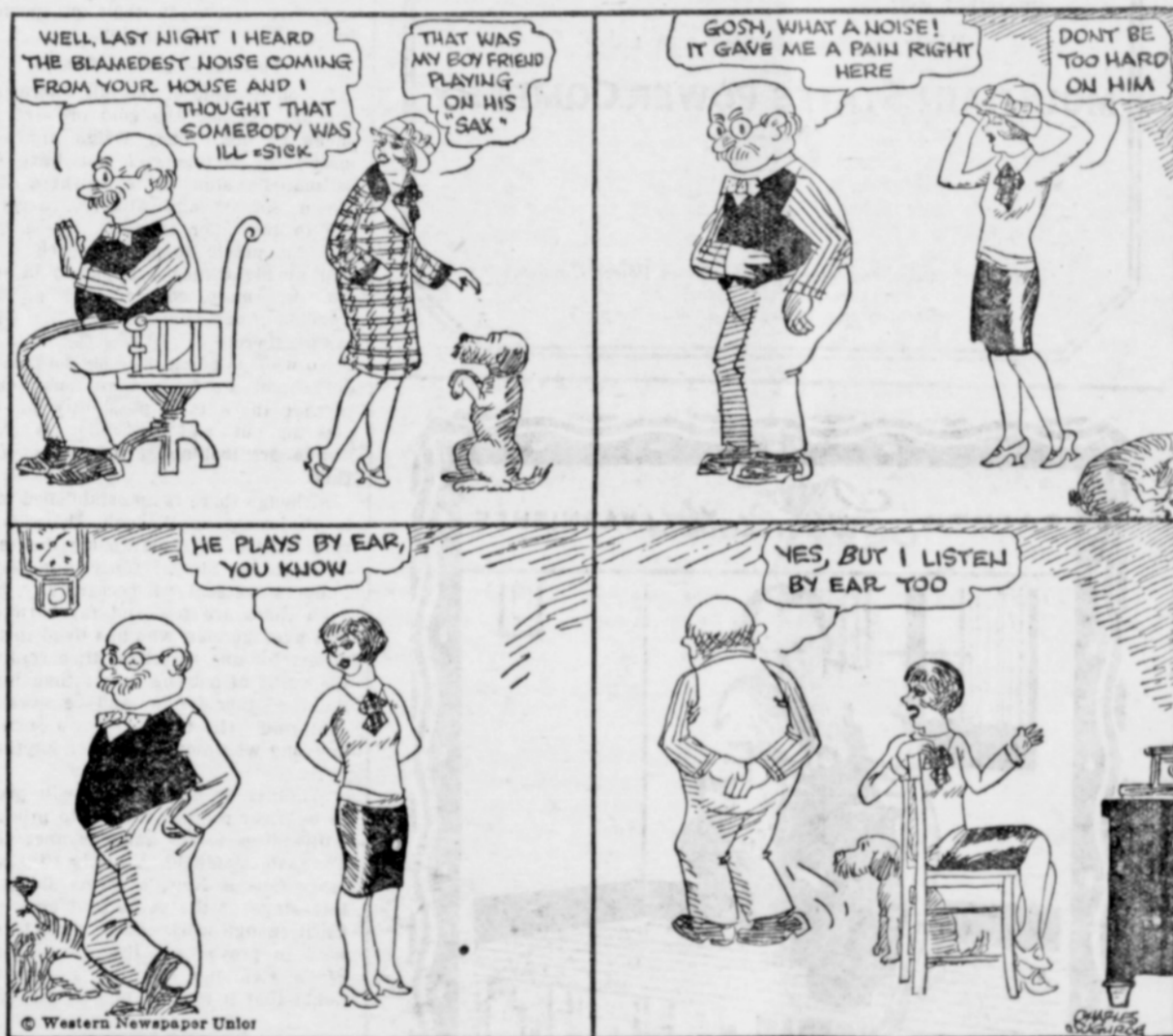
The San Jose scale is very often brought in on nursery stock. This is a small fluke-like scale. In taking a knife and lifting up this scale you will find a small yellow insect underneath. Examination under a microscope will show that this insect has a sucking mouth part that it inserts into the tissues of the plant, and in this way obtains its food. One pair of these scales is capable in a year's time, under favorable conditions, of multiplying into 10,000,000.

OUR COMIC SECTION

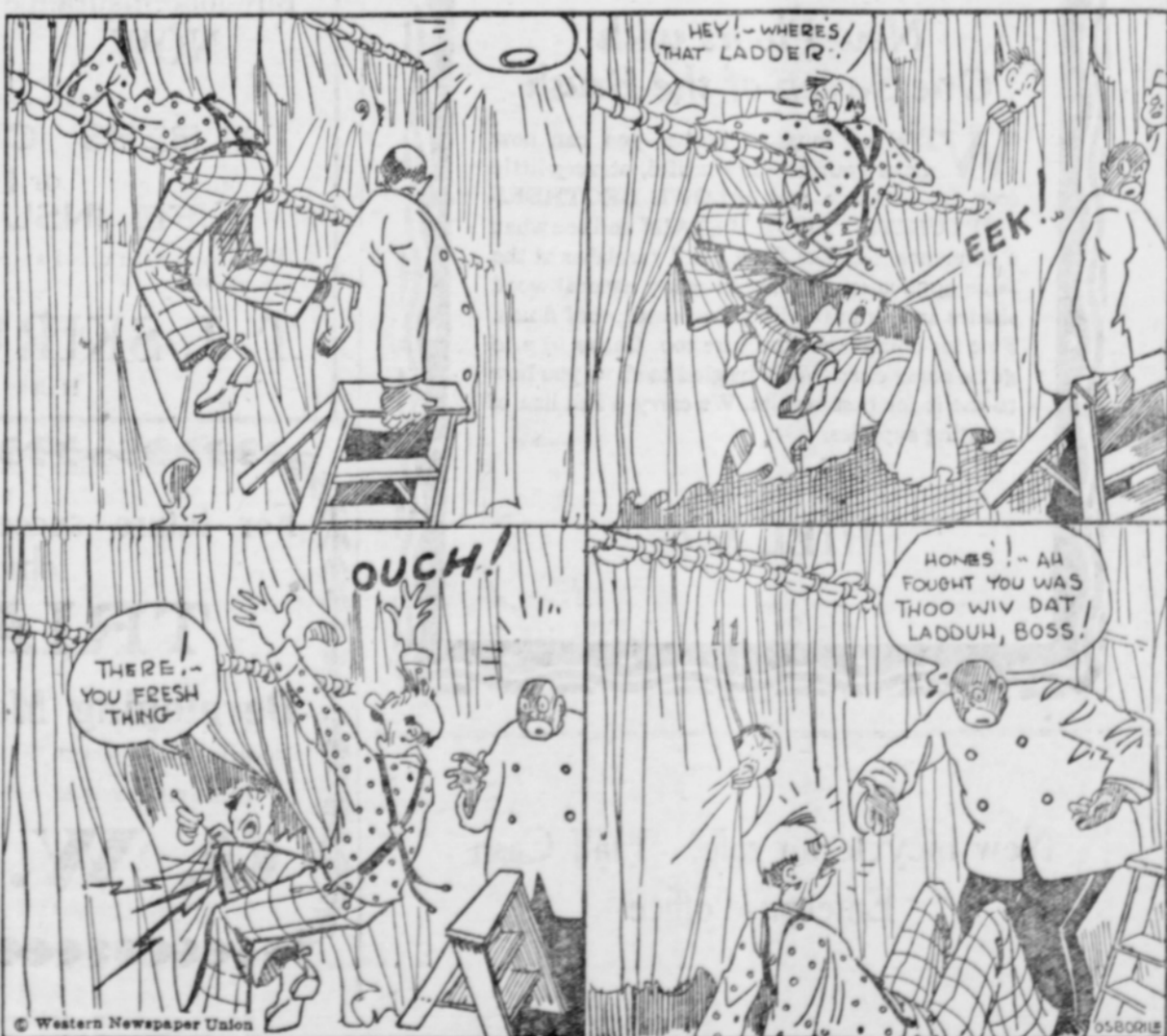
Famous Last Words



MICKIE, THE PRINTER'S DEVIL



THE FEATHERHEADS



A Mean Crack

A Falling Out With the Porter

"Beware, my son, beware!"

"Stay away from Peterman's! It has killed your whole family!"



"DON'T walk through it. Don't smell it. Don't touch it. Go hungry for days first."

She's right, Peterman's Roach Food exterminates every roach in your house. Nothing is left but a little dry dust.

Some housewives make the mistake of fighting cockroaches with a spray. Those are the houses roaches stay in. They live down behind baseboards, under the floors. No spray can possibly reach them, or their young, or their eggs.

Only a powder can exterminate them. Peterman's Roach Food is the right powder. Just

one roach gets a little powder on his legs. Back to his nest he goes. He crawls over the others and eggs. Every roach he touches dies and disintegrates.

Here is the right insecticide for each insect!

PETERMAN'S ROACH FOOD exterminates cockroaches.

PETERMAN'S ANT FOOD exterminates ants.

FLYOSAN kills flies and mosquitoes.

PETERMAN'S DISCOVERY exterminates bedbugs.

PETERMAN'S MOTH FOOD protects against moths.

You must have a specific insecticide for each insect. No single insecticide will exterminate them all. We know that is true. We have had nearly 50 years' experience.

Peterman's has the right insecticide for each insect. On sale wherever drugs are sold.

Peterman's

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Cities Losing Residents

Villages and small towns are again showing increase in population, contrary to popular understanding. As a matter of fact the Institute of Social and Religious Research has found from heretofore unpublished census figures that the rate of city population increase in 1900 to 1920, fell from 84 per cent to 52.1 per cent, while the rural rate was pushed up to 20.7 per cent.

The discrepancy is due to government bookkeeping, according to Robert McCulloch who made a study for the survey. The government automatically changes a town or village to a city when it reaches 2,500 population.

Rabbit Economics

Australia is unable to prove by figures whether the rabbit is a pest or a perquisite. In four years she shipped abroad as food frozen rabbits reaching a total valuation of £3,000,000, and rabbit skins valued at £7,000,000. But in one province alone, New South Wales, 110,000 miles of rabbit-proof fence had to be erected to keep the little creatures from devastating farms. The cost of that fence was \$5,000,000. Another fence, cost not reported, and surely one of the longest in the world, was stretched the whole distance of 612 miles between Bourka and Corrowa.

Granulated alydia, etica, inflamed eyes relieved overnight by Roman Eye Balsam. One trial convinces. 373 Pearl St., N. Y. Adv.

Something New in Fowls

A new type of fowl is being raised in Alberta to supplant the high-priced holiday turkey. A cross between a turkey and a chicken, the "turken" resembles the turkey in head and body, but in size, comb and wattles it is more like the chicken.

The Method

Hellness—"And we'll keep our marriage a secret." Dave (to himself)—"To everybody but my creditors."

Faith is a higher faculty than reason.—Bailey.



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Unless you see the "Bayer Cross" on tablets you are not getting the genuine Bayer Aspirin proved safe by millions and prescribed by physicians for 25 years.

DOES NOT AFFECT THE HEART

Safe Accept only "Bayer" package which contains proven directions. Handy "Bayer" boxes of 12 tablets. Also bottles of 24 and 100—Druggists.

Aspirin is the trade mark of Bayer Manufacturers of Monoclonalacetic Acid of Balleysroad

Highest Clouds

The highest altitude at which clouds float is nine to ten miles above the earth, attained by cirrus clouds, easily recognizable by their faint, feathery shape, according to an answered question in Liberty Magazine.

The United States uses up about four-fifths of the world's gasoline production.

Why It's There

Customer—The bread you sold me had sand in it.
Grocer—Yes, ma'am, that was to keep the butter from slipping off—Progressive Grocer.

Large quantities of American seed trees are being sent to the battlefields of Europe by the American Tree association.

Oakland G. A. R. Veteran and Wife Regain Health

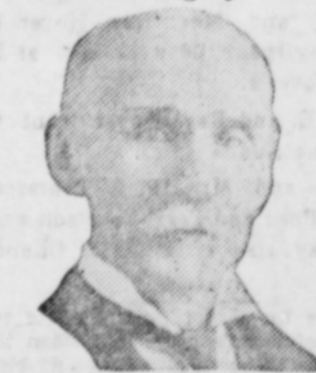
Aged Couple, Suffering Acutely from Rheumatism, Neuritis and Indigestion, Find Quick and Permanent Relief in Tanlac and Praise It Highly

"From the day I was fortunate enough to line up with Tanlac," says Mr. Emil Langhans, ex-cavalryman and retired customs official, "it has kept my health and strength up to highest standard."

Sitting in his comfortable home at 2219 107th Avenue, Oakland, Calif., Mr. Langhans told how Tanlachad rebuilt strength and vigor for himself and his charming wife. "Tanlac worked wonders for my wife," he said. "She suffered from high blood pressure, neuritis and general run-down condition. Tanlac relieved her."

"I had sciatic rheumatism—suffered for five years with it—so that I could sleep but little, on account of the pain. Kidney trouble, indigestion and loss of appetite had reduced my strength to a low ebb."

"Since taking Tanlac my health, as well as that of my wife, has been remarkable. Though I am retired, I could resume my old work any time. No rheumatism—nor kidney trouble—in past two years. I never miss an



opportunity to praise Tanlac." Old and young, from coast to coast, unite in praising this famous remedy of nature. Made of roots, herbs and herbs, according to the exclusive Tanlac formula, it is an amazing tonic medicine. All good druggists sell Tanlac. Get a bottle today! Over 40 million bottles sold.