

NATURALIZING HIM.



"This man doesn't seem to know about the constitution."
"But he didn't miss a ball game last season, Judge."
"Then I guess he's assimilated."

SKIN ERUPTION ON CHEEK

Kingsley, Mich.—"Last May my thirteen-month-old baby had a sore come on her cheek. It started in four or five small pimples and in two or three hours' time spread to the size of a silver dollar. It spread to her eye. Then water would run from the pimples and wherever that touched it caused more sores until nearly all one cheek and up her nostrils were one solid sore. She was very fretful. She certainly was a terrible-looking child, and nothing seemed to be of any use."
"Then I got some Cuticura Soap and Cuticura Ointment. She tried to rub off everything we put on so that we would sit and hold her hands for two hours at a time, trying to give the medicine a chance to help her, but after I washed it with Cuticura Soap and then put on the Cuticura Ointment they seemed to soothe her and she did not try to rub them off. It was only a few days before her face was all healed up, and there has been no return of the trouble since. We thought that baby's face would surely be scarred, but it is not." (Signed) Mrs. W. J. Cleland, Jan. 5, 1912.

Cuticura Soap and Ointment sold throughout the world. Sample of each free, with 32-p. Skin Book. Address post-card "Cuticura, Dept. L, Boston." Adv.

Geography of Liquor.
Mayor Gaynor, discussing city government in his wonted illuminating and brilliant way, said in New York: "We must not have one reform law for the rich and another for the poor. It is as bad for the millionaire to gamble in his club as for the laborer to gamble in a stuss joint. It is as bad to become intoxicated on champagne as on mixed ale."
"Too many reformers, so-called think that when a man is drunk on Fifth avenue he is ill, and when a man is ill on Third avenue he is drunk."

Our Discontent.
Brand Whitlock, the mayor of Toledo, was talking about discontent. "It is our discontent, our divine discontent," he said, "that will make a great nation of us."
"I believe in discontent. I can sympathize even with the discontented old farmer, who said:
"Contented? When'll I be contented? Well, I'll be contented when I own all the land adjoinin' mine—and not be fur, by gum!"

The rich mellow quality of LEWIS' Single Binder 5c cigar gives the highest pleasure in smoking. Adv.

Advice is like a bitter pill—easy to give but uneasy to take.

TIRED BLOOD AFFECTS THE AGED
(Copyright 1913 by the Tonicives Co.)
Aged persons are susceptible to Paralysis, Apoplexy, Poor Circulation, etc., as a result of Tired Blood Conditions, which tend to harden the arteries. Now what is the best safeguard of the soundness of the arteries if it is not in the steady flow of perfect blood through them? Unimpaired arteries, Perfect Digestion, and a constant sure elimination of waste products, are the best guarantee of a healthful and peaceful old age. Tonicives are offered as an aid in securing these fundamental conditions. 75c. per box of dealers or by mail. The Tonicives Co., Buffalo, N. Y.

Don't Persecute Your Bowels
Cut out cathartics and purgatives. They are brutal, harsh, unnecessary. Try
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Purely vegetable. Act gently on the liver, eliminate bile, and soothe the delicate membrane of the bowels. Cure Constipation, Biliousness, Sick Headache and Indigestion, as millions know.
SMALL PILL, SMALL DOSE, SMALL PRICE.
Genuine must bear Signature
Warranted

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The Antiseptic Powder for Ten-Trade-Mark. der, Aching Feet. Sold every-where. 75c. Sample FREE. Address, ALLEN S. GILMISTED, Le Roy, N. Y.

THOMPSON'S EYE WATER
Quickly relieves weak, inflamed eyes. Sold every-where. 75c. Sample FREE. Address, JOHN L. THOMPSON SONS & CO., Troy, N. Y.

W. N. U., OMAHA, NO. 2-1912.

REPORT OF MIGRATION OF WOOLY APHID FROM THE ELM LEAF CURL TO THE APPLE

Special Reference to the Economic Significance of This Discovery for Nursery Stock and Young Orchards, With General Account of This Serious and Widespread Pest.



Seedling Apple Showing Colony of Woolly Aphids Which Are the Progeny of Migrants From Elm Leaf Curl.

Bulletin 203, just issued by the Maine Agricultural Experiment Station, contains a report of the migration of the woolly aphid from elm leaf to apple, with special reference to the economic significance of this discovery for nursery stock and young orchards. A general account of this serious and widespread apple pest is included.

For more than 100 years the woolly aphid has had world-wide recognition as one of the most serious insect enemies of young apple trees. Statistics for 1911 on two-year-old nursery stock based on observations made at three nurseries containing respectively about 20,000, 45,000 and 200,000 trees, showed that from 20 per cent. to 25 per cent. of the trees were infested by the woolly aphid. As from twenty to forty million of American-grown apple seedlings are used in this country every year, the significance of so high a per cent. of infestation is at once apparent.

It is, therefore, with no slight interest that the entomologists of the Maine Agricultural Experiment Station have been seeking to ascertain a previously unknown point in the life cycle of this pest, and have made the discovery that this cycle includes three generations which are passed in what is known as the "elm leaf curl." The disfigured and curled leaves of the elm in the spring are everywhere, as familiar as the woolly masses on the apple bark, but the elm generations have not previously been known to have any connection with the apple pest and it has all along borne a distinct name.

It is a fact familiar to students of this family of insects that certain aphids live for a few generations (usually wingless) upon one food plant and then produce a winged generation that migrates to an entirely different species of plant for the summer, where it establishes a series of summer generations and by fall produces a second migrant generation that flies back to the original food plant. It is here the true sexes occur and that the winter egg is deposited—stages absolutely essential to the continuation of the species.

The woolly aphid of the apple is such a migratory species with two distinct types of food plants—the elm, or "original food plant," on which the true sexes occur in the fall and de-

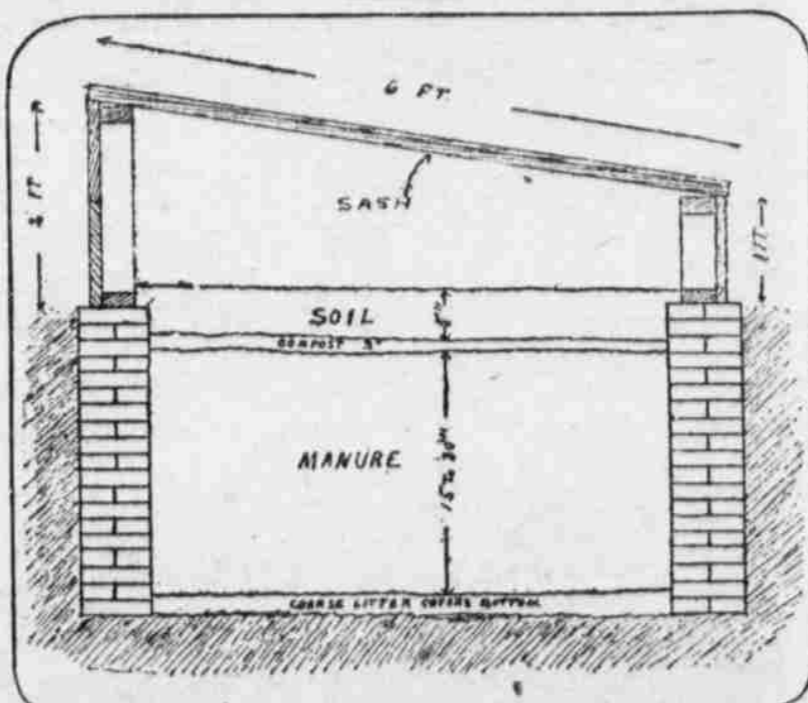
posit the over-wintering egg, and on which it lives in the curled leaves in the spring; and the apple to which it migrates from the elm-leaf-curl and where it establishes itself as a bark feeder during the summer. This species, in addition, produces in the fall a generation that passes the winter at the roots of the apple, a circumstance which has led to the assumption that the apple alone was concerned in the life cycle of this pest, and the elm-leaf curl which shelters the wolf in sheep's clothing has been previously unsuspected of other danger than that threatened the elm itself which, is not usually great. But the discovery of the annual migration of a fresh infestation from the elm to the apple and the knowledge that the elm generations are an essential portion of the life cycle of the woolly aphid of the apple and that this species cannot continue without access to the elm, put a new significance upon the economic status of the elm curl.

Filling the Gullies.
If you have any gullies or ditches in your fields, now is the time to mow out all of the brushy weeds and fence rows or other brushy and weedy places and fill the gullies with the trash. This will prevent such gullies and ditches from further washing, and it will catch and hold other soil into them. No farmer can be counted a success who allows his best soil to be washed out of his fields, or who allows sterile and waste places to remain as such for any length of time. These can be remedied and made to become rich and productive spots, making the farm more beautiful and more profitable.

Electrocuting the Moth.
An orchardist in the state of Washington has devised a method of electrocuting the codling moth. Electric lights encased in fine wires alternately coated with copper and tin are hung in the trees. The light attracts the moths which fly against the wires and the contact sends an electric current through them.

Cow as Dowry.
In the Island of Jersey every girl who marries receives a cow as a part of her dowry.

MUCH ASSISTANCE FOR EARLY VEGETABLES



Hotbeds which have been prepared in the fall by digging out the pit permit an early start in spring. The dimensions most suitable are indicated in the illustration.

CONSERVING WATER IN ROWS

Every Farmer Experiences Much Difficulty in Getting Water to Reach the Extreme End.

(By E. B. HOUSE, Colorado Experiment Station.)

The difficulty that every farmer experiences in ordinary row irrigation is to so control his supply that the water flows down each row at the same rate and with sufficient velocity so that when the water reaches the lower end of the row the upper end has had time to be sufficiently moistened for the water to reach the roots of the plants. In order to accomplish this every field should have a ditch running along its highest part, properly laid out. This will be best accomplished by making openings through the side of this ditch through which the water runs into the rows, level; that is to say, fixing them so that when a dam is put in, which brings the water over the bank and forces it through each opening with the same velocity and therefore have the same head. It will, therefore, be a paying proposition to make these openings permanent.

A box made of lumber or concrete with openings in the side, each section set level, with a drop at the end of each section, so that by placing the dam at the end of the section the same quantity of water is discharged through each opening and finds its way to each row and is sent down each with the same velocity and the same quantity of water is supplied to each row. This quantity can be regulated by increasing or decreasing the head on each opening, and with this arrangement it will be found that labor, time and water will be saved.

Another thing, after an irrigation by means of the row method many farmers have found it advisable and profitable to harrow across the rows. This fills the ditches and the ground that is saturated with loose earth, which forms a "dust mulch" and thereby prevents excessive evaporation from the rows, while if this is not done the bottom and sides of the ditches take on a crust, the particles become packed together and excessive evaporation takes place. For the next irrigation it will be necessary to again run the cultivator through the rows in order to form the ditches for another application of water, and by the time this second irrigation occurs the plants will be so far advanced that it will be impossible to harrow a second time, but the first harrowing can be done with very little damage to the crop; in fact it is a benefit to the crop, even though some of the plants are destroyed.

DISK FOR CORNSTALK GROUND

Ordinarily Soil Becomes Much Compacted During Winter and Then Crusted in Spring.

The practice of disking cornstalk ground before plowing it for another crop of corn has a basis of sound common sense. Ordinarily the stalk ground becomes very much compacted during the winter, and when it dries out in the spring the surface is generally somewhat crusted, particularly so if the soil contains much clay. Of course, where sand predominates in the soil there is not the same need for putting extra labor on the surface before plowing, but in the case of clays and clay loams the practice of giving the surface a good disking may be depended upon, taking it one year with another, to materially increase the yield.

By turning under a mulch formed by disking the furrow slice is connected with the lower soil in such a way as to lead to rapid root development, and furthermore, the moisture is not checked in its upward movement by the lower surface of the inverted furrow such as would be the case where cornstalk ground is plowed without disking.

GENERAL FARM NOTES

Try dressing your poultry and finding private customers for it.

Well cured clover hay is one of the essentials in making rich milk.

It is not a wise practice to start milking before an animal calves.

Turkeys to be dressed for market should not be fed for twenty-four hours.

Watch your machinery for loose bolts and nuts, and don't forget the oil can.

The grower of special crops must take especial pains to realize a profit therefrom.

Clean hands, a clean cow, a clean barn, and a clean milk pail produce clean milk.

Hard work to set fence posts after the freeze-up. Better attend to that matter now.

Goats are evidently of some value considered merely as a tool for clearing brush land.

Always be patriotic enough as a citizen to make your farm the best in the community.

As draft animals and for general work purposes mules excel horses in several respects.

Regularly in milking helps the yield during the present and all subsequent lactation periods.

Continuous milking is not desirable and every practical dairyman knows it is not profitable.

Peas and beans grown in a temperate climate are liable to be injured for seed by weevils.

Keeping live stock is the only solution of the problem of decreasing fertility and net profits.



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FOUND WORKS OF STEVENSON

Manuscripts and Works of Popular Writer Unearthed in Samoa and Hawaii, by an Admirer.

It is learned that a number of new and relatively important manuscripts of Robert Louis Stevenson have been discovered in Samoa and in Honolulu by an ardent admirer of the great novelist, who has been for some time in both Hawaii and Samoa seeking such writings of the famous Scotman as might possibly be found in the possession of some of the many friends of Stevenson during his years in the Pacific.

The result of this research has been the finding of an essay, said to be highly poetical in character, written by the novelist after witnessing a volcano in action, supposedly either the famed crater of Savali or the pit of Kilauea in Hawaii; a piece of fiction dealing with South Sea life, and a number of smaller verse compositions. Still another manuscript, a blank verse relation of a well-known legend of Maui, of considerable length, but unfinished, has also come to light, and the enthusiastic admirer of Stevenson feels highly rewarded for his month of effort.

Her Snip Came In.

The mother, a widow with six children, had more energy than money. Little Dot asked frequently for things which her mother could not give.

"Just wait till my ship comes in," she would say assuringly.

One day the mother gave Dot a nickel. It was an unheard of happening.

"Has your ship come in?" the little girl asked eagerly.

Keeping Her Word.

Josephine—Do you know to whom Stella is engaged?

Margaret—Yes, but I promised I would not tell. However, I don't think there'll be any harm in my writing his name on a piece of paper for you.—Satire.

Constipation causes many serious diseases. It is thoroughly cured by Doctor Pierce's Pleasant Pellets. One a laxative, three for cathartic. Adv.

Many a man performs his work as though he thought he was doing the boss a favor.

Liquid blue is a weak solution. Avoid it. Buy Red Cross Ball Blue, the blue that's all blue. Ask your grocer. Adv.

Anyway, the wise man is less of a fool than the average.

LOGICAL.



"The manager always keeps back a portion of the villain's salary."

"Why does he do that—afraid he'd skip?"

"No; but he always acts his part better when he's mad."

Pleasing Sounds.

"What is more delightful than the careless prattle of a child?" asked the fond father?"

"Have you ever heard the rattle of a train for which you had been waiting nine hours at a lonely little station 750 miles from home?" replied the traveling man.

Distinction.

"What have you ever done to claim distinction? In other words, what have you ever done that was original or out of the ordinary?"

"I once had a part in the actual transfer of several shares of stock on the New York exchange."

Some spinners are unhappy because they have no man around to worry them.

Mrs. Winslow's Soothing Syrup for Children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, 25c a bottle.

Women who marry for a home pay big rent.

FOLEY KIDNEY PILLS

Are Riches in Curative Qualities FOR BACKACHE, RHEUMATISM, KIDNEYS AND BLADDER

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