

FRUIT SPRAY FORMULA IS GIVEN BY STEWART

Inspector Says to Plow Under All of Last Year's Leaves.

The first of a series of articles concerning the care of fruit trees has been prepared by County Fruit Inspector C. E. Stewart, and is given below. Mr. Stewart has prepared an article on the mixing and application of codling moth sprays which will be published as soon as the first adult moths appear.

The spray formula for apple and pear scab is as follows:

No. 1.—Lime-sulphur solution one gallon to 30 of water plus 1/2 pound of iron sulphate (copperas) previously dissolved in water to each gallon of the lime-sulphur used. Apply when young leaves around fruit buds are half to three-fourths of an inch in length.

No. 2.—Lime-sulphur solution one part to 40 of water plus 1/2 pound iron sulphate to each gallon of the lime-sulphur used. Apply just before blossoms open. Direct spray to bud clusters and under side of leaves.

No. 3.—Lime-sulphur solution one part to 45 of water plus iron sulphate as above and two pounds of dry lead arsenate to each 100 gallons. Apply when three-fourths of the petals have fallen. Direct spray to calyx cups as well as to all foliage. In spraying pears the lead arsenate can be omitted in this spray and used in the next.

No. 4.—Lime-sulphur solution one part to 45 or 50 of water plus iron sulphate as above. For pears add lead arsenate as above if omitted in No. 3. Apply in 10 days or two weeks after No. 3.

In spraying apple trees three-fourths of a pint of nicotine (black leaf 40) should be added to each 100 gallons of spray No. 1 for pink apple aphid, which do an immense amount of damage in this county.

In spraying pears use five gallons more water for each gallon of lime-sulphur used than in spraying apples.

Plow under all old leaves before the new appear, as that is where the disease is carried over from one season to another. Spray just before rather than after a rain, as the scab infections take place during rainy weather; the spores will germinate and penetrate a leaf in 11 hours if not protected with spray.

SOCIETY.

Members of the Joker club and a few friends were guests at a very enjoyable St. Patrick's party given in the I. O. O. F. lodge rooms Monday night, the hostesses being Mrs. J. P. Graham, Mrs. T. C. Wheeler and Miss Josephine Wright. The diversion was progressive five hundred, high honors being won by Miss Eunice VanDenburg and A. W. Helliwell. Consolation prizes went to Mrs. C. C. Cruson and A. S. Powell. Refreshments served in the banquet room consisted of delicious vegetable salad and wafers, pineapple patties and coffee. The decorations and menu harmonized with the occasion. A diversion that was not on the regular program was the presentation to Miss Georgia Kinsey of a little token of appreciation of her efforts as president of the Joker club, which provided many enjoyable evenings during the past winter. The token was a five-gallon can of gasoline, emblematic of pep and go, the presentation being made by the most eligible bachelor present, M. H. Anderson.

Mr. and Mrs. B. F. Rinard entertained relatives Sunday in honor of their two boys who are back from service. Louis was in France and Ray was in England when the armistice was signed. Those present were Louis Rinard; Mr. and Mrs. Ray Rinard, of Havre, Mont.; Mr. and Mrs. Joseph Rinard, of Portland. The occasion was the first time all the children have been together for several years.

A family reunion was held at the Hiram Yancy home last week in honor of their son William, recently home from service with the colors. Those present were Mr. and Mrs. Maurice McKibben, Ruth and Virgil; Mr. and Mrs. Bradford and little son, of Springfield; Mr. and Mrs. F. L. Hockett, Gladys and Merle, and Mrs. Stuckey, of Marshfield.

Mrs. B. R. Job entertained at a 1 o'clock luncheon Wednesday for Mrs. L. S. Hill, who leaves soon for San Francisco, the guests being twelve close friends of Mrs. Hill. Mrs. A. B. Wood acted as toastmistress. Mrs. Herbert Eakin, Mrs. H. A. Miller and Mrs. Chas. Adams responded to toasts.

Mrs. George McQueen entertained Monday evening at dinner in honor of her brother, Albert Griffin, who had returned that day from service with the 69th. Guests present were the Jas. Potts and W. H. Ostrander families and Dr. and Mrs. H. H. Petrie.

Mrs. H. A. Miller and Mrs. J. P. Graham entertained the Constellation club very pleasantly yesterday afternoon. The afternoon was spent in a social way and a two-course luncheon was served.

Mrs. Chas. Adams entertained the M. P. G. club Tuesday afternoon. The home was prettily decorated with spring flowers and dainty refreshments were served.

Mrs. F. A. Garretson, Jr., entertained a few ladies of the neighborhood Friday afternoon, refreshments being served at 5:30.

The Epworth league of the Methodist church held a St. Patrick's social Monday night. A contest had been previously held in which the side led by Miss Lillian Lewis was defeated by the side

led by Miss Ruth Phelps and the losing side entertained the winning side.

Mr. and Mrs. C. E. Umphrey celebrated their tin anniversary last Friday evening and entertained a few guests at dinner.

The Social Twelve club spent a pleasant afternoon Thursday of last week with Mrs. H. A. Miller.

Mrs. B. S. Swengel entertained the Royal Neighbor lodge Wednesday evening of last week.

Some of Miss Ruth Butler's friends and schoolmates gave her a surprise party on March 8. Those present were Lester Leonard, Annabel and Katie Gilerist, Charlie and Hazel Fuhrer, Lamar and Bernard Piper, Mettie and Myrtle Mayben and Lahman Ream.

Miss Piper gave a dinner on March 9 in honor of her two nephews from Portland who are visiting her. Those present were Abner and Lester Gilerist, Mrs. L. G. Markham and son Allen, Mrs. F. L. Fuhrer and son and daughter and Miss Ruth Butler.

A surprise party was given at Mrs. Gilerist's Saturday evening. Those present were Judd Doolittle, Mettie and Myrtle Mayben, Charlie and Hazel Fuhrer, Clifford Taylor, Miss Piper, Lamar and Bernard Piper, Mrs. Butler and daughter Ruth Sheimen and daughter.

Mr. and Mrs. J. A. Joll celebrated their 22nd wedding anniversary Sunday and entertained at dinner the Nixon families.

The parents of the pupils of the first grades gave the teacher and pupils a surprise Saturday by going in and taking their dinner with them. The event was a farewell to the teacher, who had resigned, it being her last day here.

Mrs. J. A. Joll entertained the G. T. X. club Wednesday afternoon. Mrs. Kent was a guest of the club. About ten members were present. Delicious refreshments were served by the hostess.

A pleasant St. Patrick's surprise was given Mrs. Miles Pitcher, Sr., Monday afternoon, the occasion being her 68th birthday anniversary. Those present were Mr. and Mrs. Miles Pitcher, Mr. and Mrs. J. H. Spahr and daughter Jessie, Mrs. J. T. Sallee, Mrs. C. A. Harlow, Mrs. O. C. Sallee, Mrs. Fairy Allen and Arthur Sallee.

Mrs. Fairy Allen entertained at a dinner Thursday evening. Those present were Oma Land, Carma Anderson, Wm. Vaughn, Raymond Wicks and Miles Wicks.

A surprise party was given at the home of Mr. and Mrs. Lewis Saturday. The evening was spent in games and music and recitations, and a lunch of coffee and cake was served.

Mrs. Helen Silsby, Miss Esther Silsby and Mr. and Mrs. J. S. Silsby left Wednesday morning for Ashland to attend the funeral of Charles Silsby, who died Tuesday in the Southern Pacific hospital at San Francisco. He was a son of Mrs. Helen Silsby and brother of Miss Esther and J. S. Silsby. He leaves a wife and a daughter, Mrs. Perry Ashcraft, also of Ashland. Mr. Silsby was aged 63 years. He suffered from an attack of influenza last October, which was followed by pneumonia, and he was left in a weakened condition from which he did not recover. J. S. Silsby had just returned from San Francisco when word came of his brother's death.

County Officers See Lorane Road. County Judge Bown, Commissioner Spencer, Acting County Surveyor Morse and Abe Gilbert, county rock crusher foreman, were here Monday and went out to the Curtis Veatch place to inspect the several proposed locations for the new road across the Veatch place. Judge Bown had not before looked over the road.

Wm. Evans, who served with the Canadian army during the recent unpleasant relations with Germany, has been visiting during the past week at the home of his uncle, George Downes. Evans was employed as a steward on a British steamer at the outbreak of hostilities and was captured by a German sub. He was later released but could not stand the inactivity and went into the service despite the fact that his recapture would have meant certain death.

Merchants and business men: The Sentinel wants your orders for sales and counter books. Patronize home industry. Order early, as we require 30 days to 6 weeks for delivery. 6181pfd

NEW BUTTER WRAP PRICES
On account of another advance in the price of butter parchment, we find the following slight advance in prices necessary:
100 wraps.....\$1.30
Each additional 100 ordered at same time as first 100.....40c

Friday and Saturday Special
A reduction of 20 cents will be made on first hundred on all orders printed on Fridays or Saturdays. Orders may be placed on any day of the week for printing on Friday or Saturday at the reduced price.

COTTAGE GROVE SENTINEL

EFFECTIVE VACCINATION



YANKS IN ACTION SHOWN IN BIG U. S. LOAN FILM

"New Glory for Old" to Be Released During Victory Loan Drive.

The greatest war film ever produced, "New Glory for Old," is to be distributed throughout the United States in aid of the Victory Liberty Loan. In this great film will be shown every activity of the U. S. army and navy in the war including 3,000 feet of the hardest fighting by the Yanks.

The five reels of 5,000 feet will be shown as a feature of special Liberty Loan mass meetings and it is planned that no admission charge will be made.

"New Glory for Old" was taken as a part of the pictorial history of the Signal Corps and one operator was killed while operating his camera. It contains the most thrilling pictorial reproduction of fighting that has yet been issued.

The American soldier is shown in this film from the time of enlistment to his arrival in Berlin. No part of this film has ever been shown and "New Glory for Old" will be held by the war department for the use of Liberty Loan publicity.

Many other special films are being prepared for use in the coming campaign. Douglas Fairbanks and Julian Eltinge have each produced Victory Liberty Loan films which have been turned over to the Liberty Loan committee.

THE DOUGHBOYS HELD THEIR GROUND
From the moment that American commander said, "Retreat—hell, we just got here!" in answer to the importunities of the hard-pressed French, the American doughboys held every inch of ground they took. They are now holding ground in Germany. It cost them flesh and blood, comrades dead and wounded, to win and hold their ground. It is costing them the rigors of army life and the opportunity of getting back to paying jobs to hold the German soil where they are now.

Are you holding your Liberty Bonds? Or, are you giving up hard won terrain to the enemy?
The boys over there can't retreat. They have to stick. They will go farther into Germany, probably. They can't say the war is over and give up.
The least any American can do is to hold his Liberty Bonds—hold them out of respect for the men still under arms if for no other reason. When you sell a Liberty Bond or trade it for some stock, worthless or otherwise, you are retreating.

That American commander who said, "Retreat—hell, we just got here!" was American flesh and bone. Are you? Then hold your bonds. Put them in the bank. Borrow on them if you have to. But hold them.

THRIFT MEANS
1. Planning—taking into consideration the needs of yourself, your family, and your country, not only for the present but also for the future.
2. Spending wisely to meet important present needs—getting the most for your money today and having something left for the morrow.
3. Investing the savings—the part which the unthrifty spend to satisfy trifling or unimportant wants—so that you may meet with happy countenance all important future needs and opportunities that knock at your door.

War Savings Stamps hold your money for opportunity's call.
War Savings Stamps beget thrift. Thrift begets success.
War Savings Stamps bought with today's savings provide for the rainy tomorrow.

HIS NEW BROTHER.

Yes, I've got a little brother,
Never asked for him from mother,
But he's here;
I suppose they went and bought him,
For last week the doctor brought him;
Ain't it queer?
When I heard the news from Molly,
Why, I thought at first 'twas jolly,
Cause you see,
I just 'magine I could get him
And our dear mamma would let him
Play with me.
But when once I had looked at him,
I cried out, "Oh dear! Is that him,
Just that mite?"
They said, "Yes, and you must kiss him!"
Well, I'm sure I'd never miss him.
He's a fright!

He's so small it's just amazing,
And you'd think that he was blazing.
He's so red;
And his nose is like a berry,
And he's bald as Uncle Jerry,
On his head.
He's no kind of good, whatever,
And he cries as if he'd never,
Never stop;
Won't sit up—you can't arrange him.
Oh, why doesn't father change him
At the shop!
Now we've got to dress and feed him,
And we really didn't need him,
Little frog!
And I cannot think why father
Should have bought him when I'd rather
Have a dog!

—London Daily News.
"No Hunting" and "No Trespassing" notices for sale at The Sentinel office. Printed on cloth, 5c each, or six for two bits. 0251f

AMONG THE CHURCHES

Methodist Church—Rev. Joseph Knotts, pastor. Sunday school at 10 a. m. Regular preaching services at 11 a. m. and 7:30 p. m. Epworth league at 6:30 p. m. Mid-week prayer meeting Thursday evenings at 7:30 o'clock.
Morning sermon, "Christian Mastery of the Pacific." Evening sermon, "A World Program."

Christian Church—Walter Oallison, minister. Bible school 9:45 a. m. Y. P. S. C. E. 6:30 p. m. Preaching services at 11:00 a. m. and 7:30 p. m.

Baptist Church—E. G. O. Groat, pastor emeritus. Sunday school at 10:00 a. m. Preaching at 11:00 a. m. Prayer meeting Thursday evening, 7:30 o'clock.

Christian Science Church—Services in chapel at 242 Second street each Sunday at 11:00 a. m. Regular testimonial meeting Wednesday evening at 7:30 o'clock. All are cordially invited to the services as well as to make use of the library and literature.

The Church of Christ—Meets in the old postoffice building on south Fifth street. Bible study at 10 a. m.; services at 11. All are cordially invited.

Gospel Mission—W. B. Finney and wife leaders. Second door south of cream. Services Tuesday and Friday at 7:30 p. m. Sunday services at 2:30 and 7:30 p. m.

Card of Thanks.

We wish to express our sincere thank to the Knights of Pythias lodge, neighbors and friends for the kindness and sympathy shown us during the illness and death of our beloved husband and father, and also for the many beautiful floral offerings. M21
MRS. J. T. ALLISON AND FAMILY

For Sick Headache

Constipation, Indigestion, Sour Stomach, Biliousness, Bloating, Gas, Coated Tongue, take that wholesome physic—

FOLEY CATHARTIC TABLETS

Act promptly. Never disappoint. Mild and gentle in action. Do not gripe or nauseate. No coactive after effects.

Mrs. Sweet Clara, Age, Va.: "I had a bad headache and took two Foley Cathartic Tablets. In a short while, my head stopped aching."

SOLD EVERYWHERE

SYNOPSIS OF THE ANNUAL STATEMENT OF THE

Union Central Life Insurance Co.

of Cincinnati, in the state of Ohio, on the 31st day of December, 1918, made to the insurance commissioner of the state of Oregon, pursuant to law.

Capital.	Amount capital stock paid up.	\$ 2,000,000.00
Income.		
Total premium income		18,402,811.56
Dividends paid to policy holders during the year		7,364,861.52
Income from other sources received during the year		1,075,112.17
Total income		\$ 26,842,785.25
Disbursements.		
Paid for losses and settlements, annuities and surrender values		12,360,096.00
Dividends paid to policy holders during the year		8,477,424.21
Dividends paid on capital stock during the year		300,000.00
Commissions and salaries paid during the year		2,042,891.07
Taxes, licenses and fees paid during the year		215,883.10
Amount of other expenses during the year		1,961,085.11
Total disbursements		\$ 23,357,479.49
Assets.		
Value of real estate owned (market value)		2,666,400.87
Value of stocks and bonds owned (market or amortized value)		4,876,996.00
Loans on mortgages and collateral notes		93,744,042.28
Premium notes and policy loans		20,428,496.21
Cash in banks and on hand		1,687,865.28
Net uncollected and deferred premiums		860,728.19
Other assets (net)		4,268,068.19
Total assets		\$128,166,484.46
Total assets admitted in Oregon		\$128,166,484.46
Liabilities.		
Net reserve		\$106,000,000.00
Total policy claims unpaid		1,022,567.27
Other liabilities		14,000,000.00
Surplus		4,763,708.87
Total liabilities, exclusive of capital stock of \$2,000,000.00		\$121,806,276.14
Total insurance in force December 31, 1918		\$503,428,654.00
Business in Oregon for the Year.		
Total insurance written during the year		617,519.00
Gross premiums received during the year		88,129.55
Losses and claims paid during the year		23,994.12
Losses and claims incurred during the year		28,994.12
Total amount of insurance outstanding in Oregon December 31, 1918		\$ 1,993,976.90

THE UNION CENTRAL LIFE INSURANCE COMPANY,
JOHN D. SAGE, Vice-President,
A. F. RUST, Assistant Secretary,
Statutory resident attorney for service,
W. F. STILZ, Portland, Or.

Total premiums contracted for... \$43,859.44
Dividends applied in reduction of premiums... 5,709.89
Gross amount of premiums received... 28,129.55

WILLIAM F. STILZ, State Manager,
Northwestern Trust Building,
Portland, Oregon.

Keep Baby Well—

Feverish colds that distress the little ones, that cause difficult breathing, that irritate their sensitive little throats and give them troublesome disturbing coughs, are readily helped and soothed by **Foley's Honey and Tar.**

The wise mother gives it for croup, whooping cough, measles cough and bronchial coughs.
Foley's Honey and Tar is just as good for grown-ups as for children. For hoarseness, tickling throat, troublesome night coughs, la grippe coughs and chronic coughs of elderly people it is widely recommended. It contains no morphine, chloroform or other drug that you would not like to give to young children, delicate persons or elderly people. Do not accept a substitute.

"When our baby was 10 days old he took whooping cough in the worst form, and the paroxysms of cough almost overcame him. Our neighbor suggested Foley's Honey and Tar and it gave him almost immediate relief, for which we feel very grateful." Mrs. J. H. Hightower, Odem, Texas.
"My baby was stricken with a severe cough and cold at one month old. I gave him 10 to 15 drops of Foley's Honey and Tar every three hours and it sure did help him." Mrs. B. H. Garrett, Schoolfield, Va.

SOLD EVERYWHERE

"Of course tobacco costs more" says Dan

"Everything else does. What you want to do is to get genuine tobacco satisfaction. I saved money by switching from ordinary plug to Gravely."

Good taste, smaller chew, longer life is what makes **Genuine Gravely** cost less to chew than ordinary plug.
Write to:
GENUINE GRAVELY DANVILLE, VA.
for booklet on chewing plug.

Peyton Brand REAL CHEWING PLUG

Plug packed in pouch