

# WEST SIDE ENTERPRISE

FOURTEENTH YEAR.

INDEPENDENCE, OREGON, THURSDAY, MARCH 26, 1908.

NUMBER

## LIME-SULPHUR FOR SPRAYING

Is Proposed by A. B. Cordley Superior to Bordeaux.

TREATMENT SAN JOSE SCALE

Observations Made by a Noted Entomologist is of Interest to Fruit Growers.

The serious results in the form of "Bordeaux Injury" which often follow applications of bordeaux mixture render it almost imperative that some means be found of reducing this injury, or that some spray be discovered which may be used as a substitute for bordeaux.

For the past two or three years I have observed, after winter spraying apple and pear trees with lime-sulphur solutions, for San Jose scale, that the fruit upon the sprayed trees was less "Scabby" than that upon unsprayed trees. Upon two different occasions this winter application was delayed until the blossoms were about to open and while the spray which was applied at the full strength and did considerable injury at the time, its decidedly beneficial effects were noticeable when the fruit was gathered. However the generally good results which follow winter applications of lime-sulphur are now well known and this part of the work requires no further comment.

Nevertheless, these observations suggested to me the probability that lime-sulphur solution might be used as a substitute for bordeaux mixture for summer applications and during the past year I have so used it upon various plants and for various purposes.

It is not proposed at this time to go at all into detail regarding these experiments—I wish only to call your attention to some of the results obtained which show conclusively that lime-sulphur solutions may be used as a summer spray without injury to foliage and also point strongly to the probability that by its use apple scab may be effectually controlled without danger of spray injury to fruit.

Sufficient work has not been done to justify the statement that lime-sulphur is equal to bordeaux as a preventive of this disease but the results of the single season's work point so strongly to this conclusion that I feel justified in calling attention to them, that growers who have suffered loss from bordeaux injury, and others who are interested, may make comparative tests of the two sprays the coming season.

In carrying out the work the past season it became necessary first of all to determine how strong a solution could be used without injury to the foliage. This, again, made it necessary to adopt some method of "standardizing" the spray. After considerable work we adopt what may be termed the "stock solution" method of preparing the spray and adopted as a standard for the work a "stock solution" having a specific gravity of 1.27. (For determining the specific gravity of the solution while at work in the field we have found the specific gravity hydrometer a very convenient instrument. It is cheap, simple and convenient and I would recommend every grower who expects to use lime-sulphur as a summer spray to obtain one.)

This solution, similar to the Rex, Niagara and Phoenix lime-sulphur sprays upon the market, any of which would undoubtedly do as well, is of a clear dark amber color, is without sediment, and as stated above had a specific gravity of 1.27. Analysis showed that each gallon contained in

solution 2.38 pounds of sulphur. "During the season of 1907 these stock solutions" of lime-sulphur were used variously diluted upon the apple, pear, peach, plum, prune, quince, cherry, grape, potatoes and celery.

The results obtained indicated that lime-sulphur sprays produced by diluting one gallon of the stock solution with fifteen gallons of water may be safely used upon all of the above named plants, with the exception of the peach, unless it may be early in the spring when very slight injury was produced. For use upon the peach each gallon of solution should be diluted with at least twenty gallons of water.

For the experiments with apple scab a block of 400 Yellow Newton trees were selected because this variety is particularly susceptible to this disease and because this block was known to be badly infested.

The entire orchard was sprayed with lime-sulphur for San Jose scale late in February. The orchard was then divided into two plots. One plot was sprayed with bordeaux upon April 20, May 8 and May 14. The other plot was sprayed upon the same dates with lime-sulphur solution diluted 1-15. Unsprayed trees were left as checks in each plot.

At picking time the fruit was carefully gathered, examined and separated into two grades to show percent of fruit absolutely free from scab, slightly scabby and badly scabbed. It was then regarded to show percent of fruit injured by spray.

The summing of results is shown graphically in the following table: Column marked A, shows percent of fruit free from scab; B, that showing only small scab spots; C, that badly scabbed and unmarketable; D, shows spray injury.

	A	B	C	D
Unsprayed	18.9	28.7	51.3	9
Sprayed bordeaux	46.1	53.4	15.5	14.9
" lime-sulphur 79.3	14.3	83.9	9	9

It must be remembered in interpreting these results that they represent only one season's work upon one variety, but when taken with the results that have been obtained in spraying other plants they certainly point strongly to the conclusion that lime-sulphur solutions may be a satisfactory substitute for bordeaux for summer spraying as they are now for winter applications.

### NOTICE TO STOCKHOLDERS.

All the stockholders of the Independence Cannery Company are hereby notified to meet in the opera house on Saturday, the 21st, at the hour of 2 o'clock p. m., for the purpose of electing a board of seven directors, and for such other business as may lawfully come before the meeting. It is desired that any stockholder who cannot be present at such meeting send in his proxy with the name of the party he desires to vote it, if he cannot be present.

W. A. MESSNER, Chairman.  
B. F. JONES, Secretary.

### Dies From Consumption.

Robert Wilson, who had been confined to his home in this city during the last year, suffering from lung trouble, died in this city on the evening of Saturday, March 21st. Funeral services were conducted from the Baptist church, Rev. Mr. Hunsaker of McMinnville officiating, the burial taking place in I. O. F. cemetery.

Robert Wilson was a native of Oregon, having been born near the town of Philomath, Benton county, in 1868. Was married to Miss Lillie Dickson of Lane county in 1887. Leaves a wife and three children: Clement, Roy and Vera; half brother, Ira C. Rowe, of Buena Vista and Albert T. Wilson of Corvallis, and W. E. Wilson, Siuslaw, Lane county, brothers. J. P. Wilson of Corvallis is his father and Mrs. W. A. Beal of Wells is a sister.

### Card of Thanks.

The undersigned desire to thank the neighbors and friends of Independence who assisted in many ways by acts and deeds during the sickness and death of our mother.

J. N. FERGUSON  
B. E. FERGUSON

New line of negligee shirts at Messner, Conkey & Walker's.

## FOREST SUPPLY GROWS SMALLER

Conservation of Timber of Interest to State.

WHOLESALE LUMBERMEN ARE

Represented by Delegation Who Attend a Congressional Committee Hearing.

That the lumbermen of the country who are engaged in the manufacture and distribution of forest products are interested in the work of the government in conserving the natural resources of the United States was evidenced at the recent annual meeting of the National Wholesale Lumber Dealers' Association in Washington, D. C., when more time was given up to the question of forestry than to any other topic that came up before the convention. This association takes in approximately 400 of the wholesale lumbermen from all parts of the country and what they had to say about the practical value of forestry is of much public interest.

The secretary of the association in his annual report recommended that the wholesalers as a body should encourage in every way the study of forestry as part of the regular curriculum of the public schools. A report also was received from the delegate appointed to attend the congressional hearing to urge the taking of a census of the standing timber. The report, which pointed out the absolute necessity of determining accurately the amount of timber in the country and which carried with it an endorsement of the project, was adopted without a dissenting voice. The deep interest of the lumbermen in the matter of forestry was again manifested when the program of the meeting was extended to permit of the calling upon representatives of the Forest Service to address the meeting.

The attitude of the lumbermen toward forestry was aptly described during the meeting by a wholesaler who said: "Lumbermen are not interested in forestry or the work of forest service on any theoretical grounds, but we look upon forestry as a business proposition solely and what it will return to us in dollars and cents. We all realize that the available supply of timber is becoming smaller and smaller each year and that if we are to continue in business we must conserve the supply. When I first began business many years ago we got our white pine and hemlock from Pennsylvania exclusively to distribute in the eastern markets. Today practically all our white pine comes from Michigan and Minnesota and our hemlock from West Virginia and adjoining states. In a comparatively few years at the present rate of cutting we will have to go still farther for our supplies and even substitutes and at the same time lumber will cost us considerably more, and the consumer will have to pay the price."

### Articles of Incorporation.

Articles of incorporation were filed in the county clerk's office in Dallas last week of the Independence Cannery Company, by Messrs. W. A. Messner, G. A. Wells, B. F. Jones, H. Hirschberg and Verd Hill. The capital stock is placed at \$10,000, divided into shares of par value of \$25 the share.

### The Gypsy Queen.

The drama, put on in this city by local talent, "The Gypsy Queen," was a decided success. The Independence Dramatic Club was assisted in the production by Ray Westwood and J. Conoway, who are clever comedians. The roles were remarkably well sus-

tained throughout the cast, and the scenic effects added much to the beautiful story of the play. The specialties introduced between the acts were up to the standard. The house, however, which greeted The Gypsy Queen was not as large as the merits of the play deserved, especially when considering the noble work and purposes to which the club devotes their time, and the revenues derived from their efforts. The play was good to say the least, and Independence people should attend such efforts even to their own inconvenience if they would encourage work of a higher class and superior representations in our town. If we do not attend good plays when they come we should not complain when we are compelled to sit through poorer productions.

### Died at Rickreall.

Mrs. William Mackie, who died at the family home near Rickreall last Sunday was born in Scotland 40 years ago. Her maiden name was Jennie Keith. She emigrated with her family to Ottawa, Canada, in 1890, and resided there five years. She then moved to Michigan, and in 1899 came to Oregon. She left a husband and one son, William Mackie, to mourn her death.

Mrs. Mackie was a woman of many excellent qualities, and was held in the highest esteem by her neighbors and friends. Her death is a sad loss to the community in which she had made her home since coming to Polk county.—Polk County Observer.

### Mrs. Hubbard Holds Conventions.

Mrs. Joe Hubbard, grand warden of the Rebekah assembly, returned Wednesday of last week from Sheridan where she held a district convention of that order. She has been acting under an appointment of Mrs. Emma Galloway, of Hillsboro. She also held a convention at Hillsboro Saturday. During her sojourn in Sheridan she was the guest of Dr. and Mrs. S. A. Mulkey, who are former residents of Independence. As a matter of interest to the people of Monmouth Mrs. Hubbard states that an order of Rebekahs is soon to be organized at that city.

### K. P. DISTRICT CONVENTION

The Knights of Pythias Will Own City Saturday.

Homer Lodge, No. 45, K. of P., will entertain the district convention of that order on the evening of March 28th. The Pythian district No. 4 comprises Marion, Linn, Benton and Polk counties. Mr. Verd Hill, of this city, is deputy grand chancellor for this district. Mr. Hill has been very busily working up this convention. The committees of the local lodge are making extensive preparation for the event, as a large attendance is expected.

The prize for the winning team has been secured and is on display in O. A. Kramer's show window. Interest in the coming convention is very marked over the district, according to reports that have come to the local lodge, and a contest of more than ordinary spirit will be the result of the coming meeting.

There are twelve lodges comprised in the fourth district and it is thought that teams will be here representing most of them.

### Big Blaze in Independence.

Fire broke out in the lumber shed belonging to Homer Hill, situated near the depot, last Friday night at 1 o'clock. The building and contents were destroyed. It is thought that the fire was of incendiary origin, hobos having been routed out of the shed earlier in the night, and for spite it is believed they returned and set fire to it. The fire department turned out promptly, but the blaze had gained such headway before it was discovered that it was impossible to save anything of it, though they worked heroically. There was no insurance on the property, it is said, and the loss is something like a thousand dollars.

Pictorial Review patterns carried in stock by Messner, Conkey & Walker.

## FIRST STATE BANK

Independence, Oregon.

CAPITAL, \$25,000

A GENERAL BANKING BUSINESS CONDUCTED

OFFICERS AND DIRECTORS:

W. A. Messner, Pres. E. Hofer, Vice-Pres. C. C. Patrick, Cash  
Wm. Riddell F. N. Stump, J. P. Rogers

## Wagons and Buggies

A Car Load of Studebaker Rigs and Wagons. The Finest that ever hit the city.

Anything in the line of

Shelf and Heavy Hardware

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THE HARDWARE MEN

Independence, Oregon



### Something Nice in Harness

We have single and Double sets, made of the finest leathers and beautifully finished and trimmed. Not only perfect in design and fashioning, but every article well sewn and ready for long and arduous service. We shall be pleased to show you samples of our stock Harness, and to also make sets to your order. We guarantee entire satisfaction with our work and the materials that we put into it.

George Dunham

Independence, Oregon

## Boost! Boost! Boost!

for the "Blue Ribbon County" of Oregon. Is Polk county keeping abreast of the development that is in progress throughout the state? To attain the full meads of its possibilities every community must have a local spirit of co-operation. This spirit is best manifest by loyalty to local institutions. Are you using our flour?

"Pride of Oregon," "Valley," and "Prize Peach," hard wheat, are our brands.

W. T. Hoffman M. Tillery  
Oregon Milling & Warehouse Co.

## POLK COUNTY BANK

MONMOUTH, - OREGON.

PAID CAPITAL \$30,000.00

Transacts a general banking and exchange business. Deposits received, Loans made, Drafts sold.

OFFICERS AND DIRECTORS

J. H. Hawley, Pres., P. L. Campbell, Vice Pres., Ira C. Powell, Cashier  
J. B. V. Butler, F. S. Powell, J. B. Stump,  
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