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A 7 jeweled watch complete for \$3.00. Yes!

How is it done? We don't know. We'll leave that to the manufacturer. He's figured it out.

We have the watches on sale and, of course, they are selling fast. Why shouldn't they—never such values offered before—THREE DOLLARS

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W.F. Laraway
Jeweler Hood River



It takes a strong imagination to believe in some of the promises made by some sellers of shoes. Things that you know are impossible are offered as glibly as the most reasonable propositions. We are not selling shoes for our health nor do we believe any one else is. But we know that our prices are as low as honest qualities will permit.

J. C. JOHNSON, the Hood River Shoe Man
Shoes and Shoe Repairing



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To you on any lumber proposition desired. All we need is your plans and our experience in these matters justifies your utmost confidence. We never recommend or attempt to dispose of any lumber unsuited for your purpose. We'll save you money, too.

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PICNICS LET US SUPPLY you with the best things to eat for that Fourth of July picnic lunch. Our line of picnic goods, pickles, olives, potted meats, cookies, etc., cannot be excelled anywhere. If you are in doubt about what to take ask us.

WOOD'S GROCERY
"The Best Things to Eat"

WE HAVE JUST RECEIVED A FRESH SUPPLY OF
Nitrate of Soda, Muriate of Potash
AND ALL KINDS OF FERTILIZERS

COME TO US DIRECT FOR
WOOD-FIBERED HOUSE PLASTER
CEMENT AND LIME

AS WE UNLOAD DIRECT FROM THE CARS
STRANAHAN & CLARK
Hood River, Oregon

The Purity Dairy Co.

Yours for prompt service and Good Milk

THOS. D. CALKINS

White River Flour

Makes Bread Having the Old Brandy Flavor

AT YOUR GROCERS

BIRKNER DISCUSSES SCAB PATHOLOGY

From the Mosier Bulletin

In pursuing scab investigations, Hugo E. Birkner, who for the past five years has made orchard work a special study, and who has carefully prepared himself by a study of national and state horticultural bulletins, practical experience, and a thorough course of instruction under the Davey Tree Expert company, of Illinois, was asked to give to the readers of the Bulletin the pathology and history of apple scab. Mr. Birkner, who has charge of the orchard of F. A. Shogren, is of an investigating trend of mind, and is constantly laboring for the control and elimination of all orchard infections and diseases.

Following is Mr. Birkner's treatise on the subject of apple scab:

Apple Scab (*Venturia inaequalis*). "This fungus disease is one of the most destructive with which the apple growers have to contend, owing to its wide range and almost annual occurrence. It will become injurious every season if there is sufficient moisture at the right periods for the spores to mature and germinate.

"Unlike the other destructive diseases, the scab may cause its injury early in the season and even destroy the crop without the orchardist realizing the cause.

"The winter stage is passed in the dead leaves upon the ground. If the weather is favorable, as the leaves are developing in the spring, the ascospores (spores in cases) mature and are shot into the air to be caught by the wind and carried to the young fruit or leaves where they germinate and start infection. A couple of cold, rainy days during the first month or two of growth is most favorable for this to happen.

"After the leaves and fruit are once infected from these spores, the scab spots produced are capable of forming the summer spores (conidiophores) by which the disease can be spread, at any time when the weather conditions are favorable, even up to the time when the fruit is nearly ready to pick.

"The greatest damage can be done during a rainy spell just before, during or after the blossoming period. If the conditions are favorable at this time, the greatest injury is caused by the stems of the fruit becoming infected. As the scab develops, it interferes with the proper flow of sap at this point, preventing the fruit from developing. This injury causes the young apples to fall just after blossoming or as the "June drop."

"In this way, the crop is destroyed so early in the season that the grower does not realize the full extent of his loss, or if he does, he generally attributes it to cold weather, imperfect pollenization of the fruit, or to a number of other imaginary causes. When he comes to know the real culprit, it is usually the time when he begins to spray to protect himself against this loss.

"If the fruit is sprayed with a fungicide in such a manner as to keep it thoroughly covered, the spores of the fungus are unable to germinate and penetrate the tissue and consequently cannot produce the scab spots. A dry spring that prevents the ascospores in the fallen leaves upon the ground from maturing, or the spores from germinating and penetrating the tissues of the leaves and young fruit, will accomplish the same result. To cause infection requires a rainy spell of from 36 to 48 hours. A cold drizzling rain makes the ideal condition for the spread of the disease.

"The best protection by the fungicide is secured by spraying the trees thoroughly as soon as the blossom buds separate sufficiently to make it possible to reach the stems with the solution, but the work must be started in time to complete it before the blossoms open.

"A second application should be made just after the petals fall and a third about three or four weeks later. In case the trees are infected and the weather rainy, a fourth application should be made nine to ten weeks after the petals fall, to prevent late infection of the fruit.

"Historically, scab is not a new disease although of apparently recent occurrence here. It is known practically everywhere the apple grows in America, Europe, Australia, New Zealand, Africa, and elsewhere. It is essentially a cool climate disease and in the southern states only occurs in the elevated districts.

"Scab was the first apple disease to receive the attention of investigators, and its successful treatment was worked out as early as 1891. In 1892 the Cornell station came to the realization of the importance of early spraying for scab. In this year the first application, using "Bordeaux mixture was made June 13, about one week after the blossoms had fallen from the trees. At the time of the second spray, June 22, small portions affected with scab fungus could occasionally be found upon the apples in places thickly covered by the Bordeaux mixture previously applied. These portions were undoubtedly attacked before the first spray was made." This spray it will be seen was applied soon after the petals fell but was too late. That the first spray should be on before the blossoms open was made evident by the findings of another investigator who found the mycelium upon apple twigs even before the buds broke. Following these findings, Lodemon in 1896 recommended the following schedule for scab control: First, spray with a solution of copper sulphate when the buds are swelling; second, spray with Bordeaux mixture just before the blossoms open; and third, spray as soon as the petals fall with Bordeaux mixture.

Later sprays he recommended if the weather was conducive to scab development. "When so treated, the fruit and the foliage will be practically perfect as regards scab injury." In the same year we find Galloway advising the following schedule: "Use Bordeaux mixture, making the first application before the blossoms open. When the flowers are opening spray again, then a third time when the fruit is about the size of a pea. After this two or more treatments should be made, the number depending somewhat on the variety treated, weather condition, and so forth. Ordinarily, five sprayings will be sufficient to hold the disease in check, but if the season is rainy more should be given."

"In 1906, ten years later, Waite has the following campaign to offer: "Spray with Bordeaux (either 4-5-50 or the 5-5-50 formula,) as follows: First, when the cluster buds have opened and exposed the flower buds; second, just after the petals have fallen; third, a week or ten days later; and, fourth, two weeks after the third spraying. In a rainy season this disease is rather difficult to control and may require five or six applications. In case of a dry spring, however, only three sprayings are required."

A year later, 1907, W. M. Scott recommended spraying "with Bordeaux mixture 5-5-50 formula, when the cluster buds are open but before blooming, and again as soon as the petals have fallen. If the second application has not been very thorough, a third should be made seven or ten days later. In case of a wet spring three sprayings are usually necessary."

In 1909, Duggar, submits the following spray campaign for scab: "At least one spraying should be made with strong Bordeaux mixture before blossoming. A second spraying may be given immediately after the petals fall and at least one more two weeks after the second. The conditions, however, must determine the length of time intervening and the number of applications made."

Again in 1912 W. M. Scott, after repeated experiments had the following in a government bulletin: "Until recently spraying with Bordeaux mixture constituted the remedy for scab, but owing to the injurious effect on both the fruit and foliage produced by this otherwise excellent fungicide, especially during wet seasons, dilute lime sulphur solution is rapidly coming into use as a substitute for it. Lime sulphur has about the same fungicidal value as Bordeaux mixture in the treatment of apple scab and produces decidedly less injury to fruit and foliage. Taking a solution registering 32 degrees Baume as a standard, the strength to use in spraying for scab is 1/4 or 1/2 gallons to each 50 gallons of water. Spray the tree first when the cluster buds open, just before blossoming; second, as soon as the petals fall and third, two or three weeks later."

"In April 1915, C. S. Jackson, of the Oregon Agricultural College, recommended the use of lime and sulphur in preference to the Bordeaux."

"In Australia, Masses recommends the pruning off and burning of all infected twigs. "When the leaf buds begin to swell and before they expand, spray with Bordeaux mixture full strength. Then when the leaves are quite young spray with half strength Bordeaux mixture. Spraying without pruning off the infected shoots is useless."

Headache and Nervousness Cured

"Chamberlain's Tablets are entitled to all the praise I can give them," writes Mrs. Richard Oip, Spencerport, N. Y. "They have cured all my headaches and nervousness and restored me to my normal health." For sale by all dealers.

West Fork Berries Good

The two growers of strawberries on the headwaters of the West Fork here had bumper crops this season. D. I. Stone, who owns the last ranch on the road to Lost Lake, says he will get more than 200 crates of fine fruit off his young spray with half strength Bordeaux mixture. Hershey Markley will harvest approximately 1000 crates.

"The fruit has been blossoming exceedingly well this season," says Mr. Stone. "The berries have shown bloom since the first week in May, and I will continue to harvest until the middle of the month. The recent rains we had in that district have caused a new growth and fresh blooms."

Tired, Aching Muscles Relieved.

Hard work, over exertion, mean stiff, sore muscles. Sloan's Liment lightly applied, a little quiet, and your soreness disappears like magic. "Nothing ever helped like your Sloan's Liment. I can never thank you enough," writes one grateful user. Stops suffering, aches and pains. An excellent counter-irritant, better and cleaner than mustard. All druggists, 25c. Get a bottle today. Penetrates without rubbing.

Hunt Loses Lawn Mower

R. M. Hunt, caretaker of the grounds around the courthouse, was pretty badly worried one day last week, when he thought someone had stolen his lawn mower. Then night before a piece of the hose used in sprinkling the courthouse lawn had been stolen. Mr. Hunt was consumed with the blues until he learned that the janitor of the Congregational church had taken the mower to trim up the lawn of Rev. A. S. Donat.

Pimples, skin Blemishes, Eczema Cured

No odds how serious, how long standing your case, there's help for you in every particle of Dr. Hobson's Eczema Ointment. It wipes out all traces of your ailment, and leaves your skin clean and soft as a child's. Hundreds of users have sent voluntary letters of thanks. Just try one box. It will mean freedom from suffering and embarrassment.

Warning to Farmers.

A number of the farmers adjoining this Company's property are permitting their irrigating water to run over the banks and onto this Company's property, filling up ditches, and water in some places running over the track, and washing over the track, to such an extent as to endanger the safety of trains.

We are placing this notice in the papers to warn you of the heavy penalty provided by the laws of Oregon, for the molesting in any way the property of a railroad so as to endanger the safety of trains and persons riding thereon. Immediate steps must be taken to prevent any more water running onto this Company's roadbed. jyl5 MT. HOOD RAILROAD COMPANY

EAST SIDE YOUNG MEN CATCH BURGLAR

Two young men of the East Side, Fred Brokaw and Chester Wonaect, last Friday caught a burglar at the home of J. D. McCully, Nestledyn. Mr. Brokaw is in charge of the place during the absence of Mr. and Mrs. McCully, who are at Josephs. He had been in the habit of entering the place by a basement door. The key was kept under a mat there.

On Friday, when the young men were taking eggs to the cellar, they discovered that someone had taken the key and entered the house. They found that eggs, potatoes and other provisions were missing. A box from a pantry, filled with eggs, led them to believe that the culprit was still in the house, and sure enough, after the lights were turned on, they soon saw his feet, as he stood on the stairs. The man showed fight, but was quickly tamed when Brokaw pulled a big jack-knife from his pocket, leveling it as he would have done a pistol, and threatening to shoot.

The young men told the burglar, a foreigner about 35 years of age and evidently a tramp, that they would release him, if he would return the stolen goods. The man led them to nearby jungles, where they secured the booty, which had been placed in burlap bags and cached.

For Hay Fever or Asthma

Many persons dread July on account of the recurrence of hay fever. Foley's Hay and Tar Compound long has been recognized as the ideal remedy for hay fever and asthma, because it heals and soothes that raw, rasping feeling in the throat and eases the choking sensation. It allays inflammation and irritation and brings about easy and natural breathing. Contains no habit forming drugs. For sale by Chas. N. Clarke.

O-W. R. & N. Co. Time Table

WEST BOUND
No. 5, East Mail (Mail Only) 5:00 a. m.
No. 11, Soo-Spokane-Portland 5:40 a. m.
No. 19, Port. P. S. Exp. 9:35 a. m.
No. 1, Portland Local 2:45 p. m.
No. 17, Ore. & Wash. Limited 4:50 p. m.

EAST BOUND

No. 6, Salt Lake Express 1:51 a. m.
No. 2, Pendleton Local 10:30 a. m.
No. 18, Ore. & Wash. Ltd. 11:58 a. m.
No. 12, Spokane-Port. Pass. 8:20 p. m.
No. 4, Portland-Puget Sound 9:15 p. m.

J. H. FREDERICY, Agent.



At No Time

During wakeful hours do one's trials troubles and tribulations sink into such utter insignificance as when seated at a good meal—provided always that the bread is right.

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Our Bread
THE RIGHT BREAD.

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THE HEIGHTS
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Call and see the new line of

Dusters & Auto Robes
direct from the factory.

A splendid stock of Suit Cases and Hand Bags.

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We have just received our Spring shipment of

Lawn Mowers

and can supply them in any price from \$3 to \$10. We are sure that we can please you both in price and quality.

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We have the largest stock that we have ever carried, not a foot carried over from last year and as rubber deteriorates very rapidly this is an important thing to remember when buying hose.

We want your business and make the prices to get it.

Blowers Hardware Co

The Firm That "Makes Good"
Phone 1691 Oak and 1st Sts.

A HORSE FELL

As a man was driving down Oak street the other day. It shouldn't have happened, and wouldn't if he had noticed the shoes, worn smooth.

Do you know that we have opened a shoeing shop in connection with our blacksmithing and woodworking shop? And we guarantee satisfaction in our horse-shoeing work just as in the other departments. We also do tire resetting and wheel fixing of all kinds. Our shop is fully equipped for this class of work

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No fruit received after 12 o'clock noon on Saturdays

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