

# Wallowa County Chieftain

## County Pioneer Paper

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THURSDAY, MAY 29, 1909.

### THE FIRST COMMENCEMENT.

The first commencement of the Wallowa county high school is an epoch in the progress of education in this county. First, the straggling and struggling private or temporary schools of pioneer days; then the regular, organized district schools in country and town; then the adding of a few advanced studies dignified by the name, "high school grades," finally culminating in the splendid "high school," second to none in the state, equal to the famous old New England academies, and where every graduate of a district school in all Wallowa may receive an education sufficient in 99 vocations out of 100, for all practical purposes.

The class of 1909, three bright youths just entering into young manhood, are a credit to the school, their instructors and the county, but no matter how distinguished their future career they will always have occasion to feel proud they were members of the first graduating class of the Wallowa county high school.

Why? Because the school will grow from year to year into greater efficiency and usefulness, and the day will come when its students will be numbered by the thousands, and its courses of study will not only train the minds but the hands and bodies of all the youth of this great county empire.

There is a glorious future in store for the county high school.

### OPPORTUNE TIME FOR BUILDING MAIN SEWER.

It has been suggested that this summer would be an opportune time to construct a main sewer from the high school down main street, past the public school, court house, Hotel Enterprise and principal business houses, turning on West First street to Greenwood, past the Commercial hotel and on to the outlet. The court house must have a sewer connection, the schools and hotels need it badly. Unless some mutual arrangement is made between the city and county board the latter will be compelled to bear the entire expense of a sewer for the court house.

It is also an opportune time because a contract could be made with the American Light & Power company to dig the trench with the steam ditcher after the completion of the water works at a cost much less than if the machinery and men were not already here on the ground.

The expense could and should be equitably distributed among three parties: The city, the county board and the private property owners directly benefited. Just what proportion or share each should pay ought to be easily adjusted and no doubt would be. The main thing is to get together and the details will work out as a result of the conference.

If the city is not able to pay in 1909 its share this year, it ought not be a difficult matter to negotiate its warrants for the amount necessary.

### STORY OF THE SENATE.

The next instalment in this paper of "A Gentleman from Mississippi," introduces Senator Langdon to Washington life, where he is plunged at once into the mazes of senatorial chicanery—just such as we are reading day by day of the real thing exemplified in the ways and means used to push through the Aldrich tariff atrocity.

By the way, where are the Oregon senators and representatives standing in that fight? Are they with Dilliver, Cummins, Bristow, Burkett, Beveridge and the other fearless, honest Republican senators who insist the party shall redeem its pledge to the people, or are they secret allies of Aldrich, Depew and the other spokesmen of the interests in the attempt to make still higher the tariff wall?

### LEWISTON CANDIDATES WOULD CLOSE TOWN

Lewiston, Idaho, May 11.—Henry Heltfeld, candidate for re-election as mayor, and three councilmen candidates, shocked the reform element of this city today when they announced that they stood for economy, progress, the enforcement of laws, prohibiting gambling games and the closing of saloons on Sunday. This eliminates the promised fight on Heltfeld, who was elected before on a wide open platform.

### Won't Slight a Good Friend.

"If ever I need a cough medicine again I know what to get," declares Mrs. A. L. Alley, of Beals, Me., "for after using ten bottles of Dr. King's New Discovery, and seeing its excellent results in my own family and others, I am convinced it is the best medicine made for Coughs, Colds, and lung trouble." Every one who tries it feels just that way. Relief is felt at once and its quick cure surprises you. For Bronchitis, Asthma, Hemorrhage, Croup, LaGrippe, Sore Throat, pain in the chest or lungs it's supreme, 50c and \$1.00. Trial bottle free. Guaranteed by Burnaugh & Mayfield.

### KILL 14 RATTLES IN DAY.

Easton, Wash., May 11.—Records for killing rattlesnakes were broken yesterday when Hillary Todd and Bud Litteral, farmers living on Jim Creek, destroyed 14. From the largest snake, which measured three and one-half feet, the farmers took 14 rattles. Rattles are said to be more prevalent along the Touchet river this spring than for several years.

### HIDES AND PELTS WANTED.

Bring your hides and pelts to Enterprise and receive big price for them. Joe Allen & Co. Warehouse west of Boswell's barn. ctf

### Beet Pullers Coming.

La Grande, May 11.—A dozen or so Japs arrived yesterday to work in the beet fields this season. A number of foreigners are expected, including Russians and Germans from Spokane and Portland.

### Whooping Cough.

This is a more dangerous disease than is generally presumed. It will be a surprise to many to learn that more deaths result from it than from scarlet fever. Pneumonia often results from it. Chamberlain's Cough Remedy has been used in many epidemics of whooping cough, and always with the best results. Delbert Calkins of Harlan, Iowa, says of it: "My boy took whooping cough when nine months old. He had it in the winter. I got a bottle of Chamberlain's Cough Remedy which proved good. I cannot recommend it too highly." For sale by Burnaugh & Mayfield.

## Reliable Seeds

So much has already been said on the importance of buying your seeds from a reliable dealer that to repeat it is only waste of words. Reliable Seeds have proved their worth—our increasing business is proof indeed that merit alone has made the name of Chas. H. Lilly Co. foremost seedsmen on the Pacific Coast. Send for catalog, 120 pages, illustrated, descriptive.

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# Home Course In Modern Agriculture

## X.—Some Insect Pests

By C. V. GREGORY, Agricultural Division, Iowa State College

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**A**MONG the enemies which the farmer has to combat perhaps none are more troublesome than insects. Nothing is more aggravating than to have a promising crop of fruit or grain attacked by a horde of "bugs" and greatly injured if not entirely ruined.

Insects, like weeds, are very difficult to deal with if you go at them one at a time, but if properly managed they can be easily held in check. From the standpoint of the damage they do, insects may be divided into two classes—those which attack field crops and those which are injurious to fruit and garden crops.

There are a number of insects which attack corn. While these are seldom present in large enough numbers to destroy any considerable part of the entire crop, the money value of the damage they inflict on the corn grown on a quarter section each year amounts to no small sum.

One of the most important of these pests is the corn root worm. The eggs, which are laid in the cornfield during August or September, hatch during the next June or July. The worms when full grown are about one-third of an inch long and as big around as a pin. They bore up inside the roots, injuring them so badly that the growth of the plant is seriously checked. Often, too, the roots are so weakened that the corn blows down badly. Some time during August the worm goes through a transformation called pupation, which changes it into a small light green beetle. This beetle feeds on the silks and tips of ears and lays eggs for the next year's crop of worms.

Another insect which lives on the roots of corn is the root louse. These lice are very small and helpless. They are kept through the winter in the egg stage in ant hills. In the spring after they hatch they are placed on the corn roots by the ants. The ants are very fond of a sweet fluid which is secreted by the lice, and they take care of them for this purpose. Other insects which do more or less damage to the corn crop are the stalk borer, wireworm, white grub, bill bug, cutworm, etc. These insects live and multiply in grass land and from there find their way into the adjoining cornfields. They do the greatest damage, however, when the grass land is plowed up and put into corn.

The damage from nearly all insects affecting corn, small grain or grass can be readily prevented by a good system of rotation. This is especially true if clover is used, since such insects as cutworms and grubs do not work to any extent on clover. The frequent plowing of the ground and change of crops where a rotation is followed are fatal to most insects. Damage from these pests will be still further reduced if the soil is kept so well supplied with plant food that the plants can get a quick start in the spring. Treated in this way, they are more vigorous and better able to withstand insect attacks.

These remedies, with the exception of the last, cannot be applied to or-

moths appears about the middle of July. It is this brood which does the most damage. It is the worms which hatch from the eggs laid by them that are so often found in fall and winter apples.

Many poisons, of which paris green is the one most commonly used, are effective in destroying the codling moth. Paris green is usually used in connection with bordeaux mixture, which is a remedy for the various fungous diseases which affect the leaves and fruit.

To make this mixture dissolve five pounds of copper sulphate and five pounds of lime separately in twenty-five gallons of water each. When they are thoroughly dissolved mix the two solutions and add four ounces of paris green. The lime in this solution is added to prevent the chemicals from injuring the leaves and to make the mixture stick better.

Three sprayings are sufficient for the codling moth. The first should be given immediately after the blossoms fall, the second from ten to twenty days later and the third about the last of July.

One of the chief insect enemies of the plum and one which also attacks many of the other fruits is the curculio.



FIG. XX—A SPRAYER AT WORK

The curculio beetle lays its eggs in the young fruit shortly after it sets. In doing so it leaves a half moon shaped scar, which is its trademark. One of the surest ways of getting rid of this insect is to jar the beetles from the tree at this time.

Spraying is also an effective remedy. The bordeaux-paris green mixture may be used, but arsenate of lead is better, since it is less liable to injure the leaves. It is applied at the rate of three pounds to fifty gallons of water. The spray should be applied just before the blossoms open, just after they fall and again about fifteen days later. Poisonous sprays should never be applied to fruit trees while they are in blossom. It is not necessary in order to destroy the insects and will kill many of the honeybees, upon which the blossoms are so dependent for pollination.

The insects that have been mentioned so far live by eating the leaves and fruit and in doing so take up enough of the poison to put an end to their destructive work. There is another class of insects, however, for which such remedies are not effective. These are the sucking insects, of which plant lice are the most common examples. Insects of this kind feed by drilling through the outer layer of the leaf or bark and sucking the plant juices. They thus escape damage from any poison which may be on the surface.

To get rid of sucking insects some substance which will kill by coming in contact with them must be used. There is nothing better for this purpose than kerosene emulsion. This is made by dissolving half a pound of soap in a gallon of boiling rainwater. This mixture is then taken from the stove and two gallons of kerosene added. The compound should be churned violently for a few moments by pumping it up with the spray pump and back into the pail. This causes the oil to mix thoroughly with the water. Before using, this original mixture is diluted with six to ten parts of water.

A common insect affecting garden crops and one that is hard to handle is the striped cucumber beetle. This is a serious enemy of cucumbers, squashes, melons and other plants of like nature. Spraying does little good and is liable to injure the tender plants as well. Where but a few hills are raised, covering them for the first two weeks with a small box with mosquito bar stretched across the top is a good preventive measure. Another effective plan is to go over the patch in the morning while the dew is on and the beetles cannot fly, knock them to the ground by giving the plant a slight blow and put a drop of kerosene on each one.

Where any of these crops are raised on a large scale the most effective remedy is the use of "trap plants." Plant the field to squashes a week or ten days before time to plant the main crop. The beetles are especially fond of squash plants and will gather on them in large numbers as soon as they come up. Just about the time the other plants begin to peep through the ground the squashes can be sprayed with very strong kerosene emulsion. This will destroy both the squash plants and the beetles. There will usually not be enough of the latter left in the neighborhood to do much damage.

### NOTICE FOR PUBLICATION.

Department of the Interior, United States Land Office at La Grande, Oregon, May 3, 1909.

Notice is hereby given that John F. McCoy, of Imnaha, Oregon, who, on May 8, 1902, made Homestead Entry No. 11369 Serial No. 03639, for Lot 2, SE 1/4 NW 1/4, and S 1/2 NE 1/4, Section 10, Township 2 North, Range 15 East, Willamette Meridian, has filed notice of intention to make Final five year Proof, to establish claim to the land above described, before D. W. Sheahan, U. S. Commissioner, at Enterprise, Oregon, on the 21st day of June, 1909.

Claimant names as witnesses: Gilbert H. Vest of Enterprise, Oregon; Jonathan Haas, of Enterprise, Oregon; Luther Stumbaugh of Imnaha, Oregon; Jasper N. Stubblefield, of Imnaha, Oregon. F. C. Bramwell, Register.

### Do It Now.

Now is the time to get rid of your rheumatism. You can do so by applying Chamberlain's Liniment. Nine cases out of ten are simply muscular rheumatism due to cold or damp, or chronic rheumatism, and yield to the vigorous application of this liniment. Try it. You are certain to be delighted with the quick relief which it affords. Sold by Burnaugh & Mayfield.

### GAME LAWS.

Any person knowing of any violation of the game or fish laws of the state, or of persons not properly keeping screens over irrigation ditches are requested to notify JOE CLEMONS, Deputy State Game and Forest Warden, Zumwalt, Oregon. 42tf

### Rev. I. W. Williamson's Letter.

I. W. Williamson, Huntington, W. Va., writes: "This is to certify that I have used Foley's Kidney Remedy for nervous exhaustion and kidney trouble and am free to say that it will do all that you claim for it." Foley's Kidney Remedy has restored health and strength to thousands of weak, run down people. Contains no harmful drugs and is pleasant to take. For sale by Burnaugh & Mayfield.

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WESLEY DUNCAN, Stock Inspector for Wallowa County. JOSEPH, OREGON

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