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ATHENA, ORE., SEPT. 13, 1907

Over in Grant county they really class an Indian along with the whites when it comes to hunting without a license. In this county the "injun" is preferred stock, is allowed to hunt at will, no attention being paid to license, and this in face of the fact that whites are not allowed to fish or hunt on the reservation. Over at Canyon City, the Blue Mountain Eagle says: "On complaint of Forest Ranger Arthur Bennett, a warrant was issued out of Justice of the Peace Chambers' court last Friday for the arrest of four Plate Indians who had come over from Burns and were hunting on upper Canyon creek without being in possession of a hunters license. They were arrested in town and haled into court and fined \$25 each by the justice and on default of the money were put in jail but were released Saturday and told to "hiss klatawa" out of the county, which they immediately proceeded to do. Before leaving each procured a hunters' license. They were accompanied by their squaws and a band of ponies and had been hunting and trapping beaver on Canyon creek for some time."

With its monstrous 160-page Fifth Anniversary number, Sam Jackson's Oregon Daily Journal came out of Portland into the Oregon country Sunday morning, the greatest newspaper triumph ever given the people of the Pacific Northwest by any publisher. The edition comprises 160 pages, and nothing of interest in Oregon is left untouched. In it 90 tons of paper were used, and it cost \$20,000 to complete the big edition ready for the mails. The supplement, containing fine Lalf tone cuts and descriptive reading matter is printed on calendared paper and excels typographically and mechanically any printed product before attempted in Oregon.

Not many days ago the owner of about one-half acre of heavily loaded pear trees in the Yakima section of Washington, was offered \$2000 for the crop on the trees. He refused it and by doing so made \$1500 as he has completed the deal whereby eastern buyers take the output for \$3500. The pears are the DuRoi d'Anjou variety. Fifty-four trees yield enough to fill 1000 boxes, worth \$3.50 each.

The assurance of a good school in Athena acts like a magnet in attracting people who have children to educate. Vacant houses are filling up rapidly, so fast in fact, that but few desirable residences remain unoccupied. A good school does more to build homes in a town than anything else that can be offered as an inducement. Good schools are house fillers.

The Methodist church of Indiana, which holds prohibition as one of its modern tenets, is somewhat excited over the question whether Fairbanks, with his cocktail record, shall represent the church at the quadrennial conference. Fairbanks is finding it rather difficult to hold the prohibitionists and the liquor people both in line for his presidential boom.

Banker Schiff of Wall Street stands up for President Roosevelt and declares, to blame him for the difficulties in which we find ourselves is both thoughtless and unjust. There is a suspicion that Mr. Schiff has been making money on the bear side of the market and the presidential policies have helped him.

It now turns out that the carved medicine chest which was presented to the president by an army officer, was manufactured at the army cabinet shop in the Philippines at a cost of \$153 to the government, and the investigation by Col. Garlington shows a vast amount of similar graft in the quartermasters department.

Tom Lawson, the Boston speculator, advertises to buy stocks. Henry Clews, the Wall Street banker, advises great caution. As long as the frenzied financiers cannot agree it may be wise to let them fight it out without your assistance.

So many rich men, and those who would be rich, have been "stung" in Wall Street or by depression in busi-

ness, that the world reports automobiles selling for one third their cost, and almost a panic amongst the auto factories and their agents. Eight failures up to date this season of automobile manufacturing concerns are reported.

Are we to understand that no guilty trust or wealthy malefactor is to be allowed to escape?

SOLVING THE WEED PROBLEM.

Technical World Magazine.

How to kill standing weeds in fields of grain without injuring the crop is one of the gravest problems that confronts the agriculturist of any country. It is impossible to cultivate them out and, unless the farmer tramps through his grain field, pulling up each weed by hand—an impossible task—they must be left to grow with the grain, drawing in the moisture, spreading rank leaves for the sunlight and extracting nourishment from the soil.

The most persistent weeds occurring in the grain fields of the United States are the wild mustard, Canada thistle and rag weed. The wild mustard of which there are over eighty species is considered by farmers the most troublesome. It is of so hardy a character that its seed will survive in the soil for ten years. The mustard is also a weed that harbors numerous vegetable pests and parasites. Through large areas of Illinois, Wisconsin, Minnesota and the Dakotas it infests fields to the extent of giving the appearance when in bloom of being a field of mustard.

The grain farmers of the Northwest have a continual battle with wild mustard. A few seeds will cover an entire field in two years if not kept down. It is impossible to eradicate it where it has once taken hold. In some fields where it has not grown too strong Minnesota and Dakota farmers spend several days with all the children and women obtainable picking the weeds from the fields during the month of June. It is of no benefit to turn the ground into meadow or pasture for the seed will lie dormant for years and when the sod is plowed will come up again as great a pest as ever. Professor R. A. Moore of the Department of Agronomy of the Agricultural College of the University of Wisconsin says, "Hundreds of square miles of farming land in the state which otherwise would be the finest agricultural land in Wisconsin are covered with mustard."

It is estimated that weeds cut down the yield of grain in this country at least twenty per cent. Under these conditions agriculturists have for several years occupied themselves in the attempt to discover a chemical that can be used for spraying grain fields. To make it a success it is necessary that the chemical should destroy the weeds but leave the cereals uninjured. Dr. Frank has carried on extensive experiments in Germany. Yorkshire College, Leeds, has also made several tests on farms in England. Numerous methods of extermination have been tried and abandoned because they were ineffective, injured the grain crop, poisoned stock or were too expensive.

From this it is evident that any means that can be found to destroy these pests will mean one of the greatest discoveries for agriculture that has ever been made. No mechanical invention in farm machinery will compare with it in importance.

It can now be said with certainty that such a discovery has been made. The first successful experiments were attempted in June, 1906, by the Agricultural College of the University of Wisconsin. The work has been carried on under the direction of Professor R. A. Moore. It should be recalled that the University of Wisconsin has already established a wide reputation for itself. The Babcock milk test which has saved more to the farmers of Wisconsin than the cost of the whole university from its foundation to the present time, resulted from experiments at the Wisconsin Agricultural College. The formaldehyde treatment for smut in grain is also one of the successful discoveries of the same institution. The discovery of a practical method of eradicating weeds will be of at least twice the value of either of these.

The experiments carried on consist in spraying the field with a ten per cent solution of iron sulphate. The idea of controlling wild mustard by this method was conceived last year at the University Experiment Station. The work was based on information derived from Germany where experiments had been tried on mustard. Plans were laid to make tests on the University farm as soon as the wild mustard appeared. No machine for the purpose is made in this country. A sprayer costing \$135 was imported from Germany. The tests on the University farm were entirely successful. Professor Moore then experimented on other Wisconsin farms, in Dane, Kenosha and Waushara counties and at Lynn, Lyons county, Minnesota. As far as known these are the only experiments that have yet been made in this country and in every case there is evidence that the weeds have been annihilated while there has been no perceptible injury to the grain. The grain that have been tested are oats, barley, wheat and speltz. No tests have been made on rye in the United States, but Professor Stiglich has had success in spraying rye in Europe. Experiments are also being made on Indian corn and the results so far have been successful. The only effect that is seen on the grain is the blackening of the lower and older leaves that are doomed to wither eventually, while the young leaves, that bring the cereal to maturity, are unharmed. There are no complaints from any center of deterioration.

O. R. & N. OREGON SHORT LINE AND UNION PACIFIC

Through Pullman standard and sleeping cars daily to Omaha, Chicago, tourist sleeping car daily to Kansas City; through Pullman tourist sleeping cars, personally conducted, weekly to Chicago, with free reclining chair cars, seats free, to the east daily from Pendleton.

ARRIVE Daily.	TIME SCHEDULES ATHENA, ORE.	DEPART Daily.
12:25 p. m.	Walla Walla, Dayton, Pomeroy, Lewiston, Colfax, Pullman, Moscow, the Couer d'Alene district, Spokane and all points north.	12:25 p. m.
12:25 p. m.	Walla Walla - Pendleton Mixed	12:25 p. m.
3:40 p. m.	Fast Mail for Pendleton, LaGrande, Baker City, and all points east via Huntington, Ore., also for Umatilla, Leppner, The Dalles, Portland, Astoria, Willamette Valley, Tacoma, Seattle, all Sound Points.	3:40 p. m.
6:15 p. m.	Pendleton - Walla Walla Mixed	6:15 p. m.

E. M. Smith Agent, Athena.

tion either in the quality or quantity of the grain crop sprayed. There has been no difference observed in the time of ripening. No tests have been made in this country on clover or grasses but experiments made in Scotland show that in no case was damage done to the young clover or grass while the mustard was entirely destroyed.

So far, the sulphate of iron solution is found to act definitely on mustard, yellow dock, cockle bur, smart weed, rag weed, and Spanish needles while there is every reason to believe that it will destroy Canada thistle. Professor Moore says, "A sprayer of German make was recently shipped to the college for use in this investigation and I believe that it will mean the redemption of much land now infested with noxious weeds. Canada thistles can eventually be killed off, too, but they are perennials, sending up new heads from the root, they must be treated several times during successive seasons. Experiments along this line are now being carried on by the station, but definite results cannot be obtained until another year shows whether the thistle roots are killed, as we hope, by the frequent blighting of the tops."

Pineules are for the Kidneys and Bladder. They bring quick relief to backache, rheumatism, lumbago, tired worn out feeling. They produce natural action of the kidneys. 30 days treatment \$1.00. Money refunded if Pineules are not satisfactory. Pioneer Drug Store.

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Can you afford to trifle with so serious a matter as to neglect bad cold or cough, when for a trifling amount you can secure a bottle of "Hickory Bark Cough Remedy," that is guaranteed to cure or money refunded. Price 25c, 50c and \$1.00, per bottle. For sale by Palace Drug Store and dealers everywhere.

Lost and Found.

Lost, between 9.30 p. m., yesterday and noon today, a bilious attack, with nausea and sick headache. This loss was occasioned by finding at Wm. McBride's drug store a box of Dr. King's New Life Pills Guaranteed for biliousness, malaria and jaundice. 25c.

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My \$3,000 Stock of Groceries Will be Sold Regardless of Cost

This is not a Clearance Sale, nor a Mid-summer Sale; I am positively going out of Business and my prices will convince you of the fact that I am going to quit. So now is your opportunity to get Harvest Supplies cheaper than you ever did before. Stock is complete now.

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