

FARM AND ORCHARD

Notes and Instructions from Agricultural Colleges and Experiment Stations of Oregon and Washington, Specially Suitable to Pacific Coast Conditions

ROADS AND SETTLERS.

By E. F. Ayres, Highway Engineer, O. A. C. Oregon Agricultural College, Corvallis, Oregon.—When Thomas H. Edison returned from his European vacation, the New York reporters met him at the pier with requests for his impressions of the countries he had visited, with special reference to the question of how they compared with his native land. His reply was that Europe could show us nothing better than we produced with one exception—our highways. When it is considered that he comes from a state which has been one of the foremost in road improvement, and that his criticism was based on the condition of her roads, one wonders what he would have said if he had come from some of the newer states.

His impressions are undoubtedly the same as those of the European traveler who visits our shores, and there may be a lesson in his remarks that will explain the absence of the best class of European emigrants from our vacant farm lands. Everyone with even the most superficial knowledge of Oregon's conditions will admit that her greatest need today is more settlers to develop her latent resources. The commercial clubs of the state spend thousands of dollars every year to tell our friends in other sections of the United States and in Europe about the marvelous opportunities that await them in the Northwest, but somehow results fail to measure up to expectations.

Many reasons are advanced for the failure of the campaign, each booster laying the blame on the other fellow. One claims that the high freight and passenger rates are retarding the growth of the state; another blames the land boomers for holding the land at prices which are practically prohibitive; others say that the very nature of the literature issued is preventing development, as the general farmer sees nothing to attract him in fruit growing at the present price of land and water, and so it goes, each one carefully refraining from shouldering any portion of the responsibility himself.

Of course, it is much pleasanter to let the other fellow relieve us of all portions of the blame, but before being too sure it is sometimes a good idea to make sure that he has done so, and as long as our rural roads are left in their present condition, it will be difficult to persuade him to shoulder the part that rightfully belongs to him. The fault lies with the entire state, including both you and me, and while it is very unfortunate, we cannot dodge the issue.

How can we expect to attract farmers from countries where every man has been accustomed to hard surfaced roads from his childhood and regards them as a matter of course. He cannot understand why the American people make so much fuss over the improvement of a small stretch of highway, for in his country no fuss is made unless the road is neglected. Then it is not necessary for him to complain, his government will attend to the delinquent road official with great despatch. True, some European countries still have the same class of roads with which we are afflicted, but without mentioning names, stop a moment and think if the class of settlers which come from these countries are what we need to build up the state.

If the Booster Books are sent to our Eastern states the results are much the same. The farmer has had a taste of better market roads, and while he was very skeptical of their advantages at first, he is now their most ardent supporter and does not care to go back to the old conditions. "The Good Old Days" undoubtedly had their advantages, but the highways were not among the most conspicuous. He will read the literature we send him and admire the pictures; he may even reach the point where he feels that it would pay him to sell the old homestead and begin again in the West—and then he picks up his paper and sees what happened to the road bills in both Washington and Oregon last winter. He also notes that it was impossible for 38 men, selected by the governor for their intimate knowledge of conditions, to agree on a plan of procedure for the Oregon roads, and he allows that his present location looks good to him.

Oregon is not the only state that must have more settlers in order to take her rightful place among the commonwealths, and a study of how some of the other thinly populated communities are meeting the problem may be helpful. Texas needs men to cultivate her broad acres and secure her almost limitless mineral wealth, and the price at which her land can be secured is so much lower than in most states that she has an advantage at the start. Her laws permit the counties to bond themselves for highway improvement, and a great deal of good work has been done under this act. There has been no opportunity for standardization of plans or methods, nor could any comprehensive plan be carried out under this multiplicity of heads, so Texas has decided to go into the State Aid column. A bill has been introduced pro-

Town Owns Herring Brook. Brewster, Mass., owns a herring brook, and at the town meeting every year, following an old custom, a committee is elected by ballot to catch the fish and dispose of them. The proceeds are turned into the town treasury.

Ever Responsive to Genius. "There is no work of genius which has not been the delight of mankind; no word of genius to which the human heart and soul have not sooner or later responded."—James Russell Lowell.

viding for the creation of a State Highway Commission whose chairman shall be the Professor of Highway Engineering at the Agricultural and Mechanical College, the other members being the Professor of Civil Engineering at the State University and one civilian to be appointed by the governor. These members serve without pay, and appoint a State Highway Engineer at \$3000 a year to design, construct and maintain highways. The bill will undoubtedly pass if it has not already done so.

Oklahoma must have settlers, and she, too, has advertised and sent her literature to the ends of the earth, but she has found that she must have roads to get the immigration. A Highway Department was created by the last legislature consisting of a Highway Commissioner to be appointed by the governor, and a State Highway Engineer to be appointed by the commissioner. This department has recently been organized, and considerable work is under way.

The last Louisiana legislature created the office of State Highway Engineer to be appointed by the State Board of Engineers. His authority is to be absolute, and his salary has been fixed at \$5000 a year. Louisiana had long thought she was too poor to afford the luxury of better roads, but Governor Sanders succeeded in convincing the voters that it took a very rich state to afford the luxury of bad roads. The question of a special tax for the construction of State Aid roads was submitted to the people of the state at the last general election and carried by a big majority.

"What is the matter with Kansas?" She needs settlers, too, and she is getting them. Kansas has no state highway department, but the legislature makes a special appropriation for the employment of a Highway Engineer at the Agricultural College who acts in the capacity of consulting engineer for the entire state. No one is legally obliged to follow his advice, but they usually accept it the first time, and invariably the second time it is offered. As in all states where there is no central authority in full charge, the roads are not being improved very fast, but considerable good work is being done.

To come nearer home, California has just appointed a State Highway Engineer at a salary of \$10,000 a year, and has given him \$18,000,000 to spend on the highways. Our neighbor on the south will soon have good roads. Washington already has a State Highway Department, a trifle disfigured after last winter's battle, but still in the ring. A great deal of criticism was directed at the department, but, with few exceptions, it is difficult to find a well-built stretch of road in the state that was not built under the direct supervision of this office. Canada is not making much noise about it, but she is building roads nevertheless, and many and loud are the walls along our northern boundaries on account of the number of our neighbors who are leaving for "Our Lady of the Snows."

What are we going to do about it? There are but two ways open. We can keep on fighting over petty, insignificant details while the other states get the men and the money, or we can unite and make a start under some system, depending on advancing laer. It is up to the people of Oregon.

FASHION HINTS



Pale blue velvet is used for the foundation of this handsome evening gown. The chiffon overskirt has an application of roses in pastel shades. Very new is the suggestion of a draped sleeve.

Buttermilk for Gout. If you are troubled with gout you should drink at least one quart of buttermilk a day. It is said to have the property of keeping various salts dissolved in the blood and thus is useful in gout. It promotes the circulation.

Not So Bad as That. This little boy was making his first struggle with natural history. Observing for the first time a very fluffy, silky spaniel, he remarked: "Some dogs have feathers, and other dogs just skin."

SINCLAIR'S ODD FOOD FADS

"Bill" Fuller, Father-in-Law of the Author, Didn't Enjoy Meals at Arden.

"Bill" Fuller is a philosopher, which he needs to be, inasmuch as he is Upton Sinclair's father-in-law. He admires Sinclair, the Cincinnati Times-Star's New York correspondent writes, and has no criticism whatever to make on the differences which have developed between his daughter and the young writer. "They're both high-brows," says Fuller, "and Heaven knows that two highbrows can't get along. Why, even one highbrow can't get along."

But he doesn't approve of Sinclair's dietary ideas. "I never know," said he, "when I take a meal with Uppie, whether he will declare that the only safe diet is to chew a prune 400 times and then rub the stone in the hair, or whether he will want forty pounds of raw meat and a couple of uncooked cabbages. He doesn't run true to form, one might say. He never has the same idea about food twice in succession. Once I visited him at Arden, where he had planned a sort of socialist Garden of Eden. By and by I began to need my fodder."

"When do we eat?" I asked Uppie. "There," said he, "is a loaf of whole wheat bread, and the spring is only 200 yards away." He began to tell me that this sort of cold poultice was all my stomach needed.

"That may be all right for your stomach," said I, "but my stomach has been pampered. When does the next train leave?"

"In which direction?" asked Uppie. "Any direction," said I. "But before I left I did one good deed. I'd noticed a peaked kind of a pup leaning against the wall of Uppie's shack. The colored maid said the dog was 'stubbuh."

"He jes' won't eat his tomatoes," says this dingo. "An' Mistah Sinclair says tomatoes is a puffed food for a dog."

"I guess that's right," says I. "That's all they're fit for. But before I go me and the dog are going to have a feast."

"So I sent out and bought" five pounds of steak, and I broiled it over an open fire and the dog and me eat the whole works. The fragrance of the broiling brought Uppie out of his tent. He stood there looking at us, with tears in his eyes and water on his lips.

"My goodness," says Uppie, "I believe I'm getting hungry."

"Good," says I. "Have a tomato, 'nople."

Busy Word.

There is no word, long or short, in the English language capable of performing so much labor in a clear, intelligible sense as the verb to get; and here is an old-time specimen of its capabilities.

"I got on horseback within ten minutes after I got your letter. When I got to Canterbury I got a chaise for town; but I got wet through before I got to Canterbury and I have got such a cold as I shall not be able to get rid of in a hurry. I got to the treasury about noon, but first of all I got shaved and dressed. I soon got into the secret of getting a memorial before the board, but I could not get an answer then; however, I got the intelligence from the messenger that I should most likely get one the next morning. As soon as I got back to my inn I got my supper. When I got up in the morning I got my breakfast and then got myself dressed that I might get out in time to get an answer to my memorial. As soon as I got it I got into the first chaise and got to Canterbury by three o'clock, and about ten time I got home."

The Patient Waiter.

Prof. W. Lawson Tall, apropos of the new serum cure for hay fever, said at a medical banquet in Denver: "This cure is the result of patience, the result of much patient toil. Indeed, when I think of the patient waiting involved in the perfecting of this cure, I am reminded of Dr. Bob Sawyer's ante-room."

"Dr. Bob Sawyer stepped proudly into his ante-room one day. There were quite eight or nine persons there. And Dr. Bob, looking from one face to another with complacency, said: "Well, who comes first? Who's been waiting the longest?"

"Here, doc—that's me," said Sulp the tailor, rising and flourishing his unpaid bill. "I've been waiting over eighteen months!"

Spare the Rod.

Parents take notice. The advocates of whipping as a means of discipline are accustomed to quote King Solomon as saying: "Spare the rod and spoll the child." What Solomon did say was: "He that spareth the rod hateth his son." But the word "rod" in that connection does not necessarily mean corporal punishment. It simply means parental authority and guidance. The same Hebrew word is used in Psalms, xxiii, where David says: "The Lord is my shepherd; I shall not want; his rod and his staff they comfort me." The rod was the symbol of authority and power, not a rawhide, a ruler or a hickory stick.—Exchange.

Useful Suggestion.

Lord Luffingham (warmly)—The blawsted commoners will soon have us out of business entirely, bah Jove! What! Lord Punleigh—Yaas, bah Jove! We'll soon—ha, ha, ha!—be nothing but recruts! Puck.

Studying Shakespeare.

"You should join our Shakespeare club."

"What do you do?"

"Well, we fine every member for non-attendance. Then we take the money and go to a musical comedy."

Dr. Pierce's Pleasant Pellets regulate and invigorate stomach, liver and bowels. Sugar-coated, tiny, granules, easy to take. Do not grip.

For the Teeth. The chemical action of peroxide of hydrogen upon gold teeth, which makes an unpleasant taste in the mouth, can be destroyed by using salt with the liquid. Its whitening virtues are excellent.

Mirrors in Decorations. In the sixteenth century no lady was considered in full dress unless she had a mirror at her breast. It was oval in shape about 4 by 6 inches in size.

The next time you feel that swallowing sensation gargle Hamlin's Wizard Oil immediately with three parts water. It will save you days and perhaps weeks of misery from sore throat.

Table Talk. "The more I see of men, the more I like dogs," declared the pessimistic boarder. "Have some sausage, Mr. Wombat," suggested the landlady.—Washington Herald.

A Queer Customer. "Mandy," said the village tailor to his wife, "I'm going to give Sam Billings a suit of clothes for a pig." "My goodness, papa!" exclaimed his little daughter. "what does a pig want with a suit of clothes?"

In Touch, Always. "It is odd that pickpockets are such an unpoplar class." "I can't see why they should be popular." "Don't they always keep in touch with the multitude?"

It Cures While You Walk. Allen's Foot-Ease is a certain cure for hot, sweating, callus, and swollen, aching feet. Sold by all Druggists. Price 25c. Don't accept any substitute. Trial package FREE. Address Allen S. Olmsted, Le Roy, N. Y.

Long-Headed Husband. "This is good wine. I must take home a few bottles to my wife." "She never touches wine, as you know." "True; but it will be a little present for her, and I can keep it from going to waste."—Washington Herald.

COLDS CURED IN ONE DAY

As a rule, a few doses of Munyon's Cold Remedy will break up any cold and prevent pneumonia. It relieves the head, throat and lungs almost instantly. Price 25 cents at any druggist's or sent postpaid.

If you need Medical advice write to Munyon's Doctors. They will carefully diagnose your case and give you advice by mail, absolutely free.

Address Professor Munyon, 532 and Jefferson streets, Philadelphia, Pa.

WHY THE CHICKEN BUSINESS PAYS.

According to government reports, more than 2,000,000 chickens were marketed in the United States in 1910, and the value of eggs marketed was \$265,000,000, equal to that of the entire wheat crop of the nation. Oregon is contributing to the Eastern markets over \$1,000,000 per annum for eggs alone. Why not share in some of this money?

WHAT WE WILL DO FOR YOU.

In buying one of our Oakland Poultry Farms you will be taught the poultry business absolutely free of cost by the best poultry experts in the country, whom we have engaged to be on the ground continuously. We have reserved 40 acres and have already begun the construction of an extensive plant, in which we will install a 10,000-capacity incubator. We will market your products and co-operate with you at all times.

5 and 10-Acre Tracts, \$75 to \$150 Per Acre, on Easy Terms. Write for Literature.

Oakland Poultry Products Company, Inc.

Originators of Exclusive Poultry Colonies. Main 1590. 308 Spalding Bldg., Portland, Or.

PUTNAM FADELESS DYES

Color more goods brighter and faster colors than any other dye. One 10c package colors silk, wool and cotton equally well and is guaranteed to give perfect results. Ask dealer, or 7c package send postpaid at 10c a package. Write for free booklet how to dye. Hatched in the colors. MONROE DRUG COMPANY, Quincy, Illinois.

WOULD BE KING OF UNDESIRABLES.

Ambassadors from a besieged town were treating with Alexander the Great on the terms of surrender. Alexander ordered that Acuphis, the eldest of the ambassadors, should be the governor of the town, and that he should send immediately as hostages 100 of the best citizens. Acuphis then smilingly observed: "Sire, I could govern better if thou wouldst permit me to send thee 100 of the worst citizens instead of 100 of the best."

The Blushing Octopus. The octopus frequently changes its color, like a marineameleon. It would appear, from recent studies of the creature, that the colored pigment whereby this change in color is effected is contained in envelopes in its skin, in the tissues of which are muscular fibers actuated by nerves. Should these fibers become relaxed a dark pigment appears. The phenomenon is said to be analogous to blushing.—Harper's Weekly.

London's Italian Colony. The Italians in London, England, are sufficient of themselves to form a large town. There are as many as 14,000, about 2,000 of whom are ice-cream vendors and 1,000 organ-grinders. The other 11,000 are chiefly engaged as plaster bust sellers, artists' models, cooks, valets, teachers, artists, restaurant and hotel keepers, and so on.

Woman's Power Over Man

Woman's most glorious endowment is the power to weaken and hold the pure and honest love of a worthy man. When she loses it and still loves on, no one in the wide world can know the heart agony she endures. The woman who suffers from weakness and derangement of her special womanly organism soon loses the power to sway the heart of a man. Her general health suffers and she loses her good looks, her attractiveness, her amiability and her power and prestige as a woman. Dr. R. V. Pierce, of Buffalo, N. Y., with the assistance of his staff of able physicians, has prescribed for and cured many thousands of women. He has devised a successful remedy for woman's ailments. It is known as Dr. Pierce's Favorite Prescription. It is a positive specific for the weaknesses and disorders peculiar to women. It purifies, regulates, strengthens and heals. Medicine dealers sell it. No honest dealer will advise you to accept a substitute in order to make a little larger profit.

IT MAKES WEAK WOMEN STRONG, SICK WOMEN WELL.

Dr. Pierce's Pleasant Pellets regulate and strengthen Stomach, Liver and Bowels.

FOR PINK EYE DISTEMPER CATARRHAL FEVER AND ALL NOSE AND THROAT DISEASES

Cures the sick and acts as a preventive for others. Liquid given on the tongue. Safe for brood mares and all others. Best kidney remedy; 50 cents and \$1 a bottle; \$5 and \$10 the dozen. Sold by all druggists and horse goods houses, or sent, express paid, by the manufacturers.

SPHON MEDICAL CO., Chemists, Goshen, Ind.

Origin of Uncut. The seashore book shop was crowded. Best sellers at \$1.15, \$1.25 and even \$1.50 were going like hot cakes. The proprietor, pushing through a throng of pretty girls in white, said joyously: "We don't need to handle uncuts in this glorious country of ours. Why actually, I've just had to wire to New York for two extra salesmen."

"But what has that got to do with the uncuts?" the reporter inquired.

"Uncuts," said the dealer, "are books with uncut edges. They originated in Scotland. In Scotland, in the past, a man would enter your shop today, read a chapter of some book or other and saunter out without buying anything. Tomorrow he would read another chapter gratis, and by the end of the month he would have finished the volume and be well into another.

"Hence the Scottish publishers and booksellers hit on the uncut, which you can't read without buying."

The dealer helped a pretty girl to stow in her limousine a stack of best sellers.

"But—thank fortune," he said, "we don't need uncuts here."

SMILE ON WASH DAY.

The laundress' delight is RED CROSS BALL BLUE. A neat, handy package, nothing to break or spill, and a blue that is all blue.

It is so far superior to any liquid bluing that there is no comparison. Always produces snow white clothes. Large package 10 cents. ASK YOUR GROCER.

Pick Up Fallen Fruit. Keep all the fallen fruit picked up. The best way to do this is to have sheep or hogs in the orchard; they will eat the fallen ones. These fallen fruits contain the grubs of insects, and by killing them you lessen next year's pests.

TOMBSTONE SALESMEN WANTED

In communities where we are not represented, no experience required; need not interfere with other business. Reply your interest free to St. Lorenzo and best known manufacturers of Monuments in the West—Quality and low prices.

PACIFIC MARBLE & GRANITE WORKS
1377-79-81 Valencia St., S. F., Cal.

The Family Physician

The best medicines in the world cannot take the place of the family physician. Consult him early when taken ill. If the trouble is with your throat, bronchial tubes, or lungs, ask him about taking Ayer's Cherry Pectoral. Then take it or not, as he says.

We publish our formulae
We banish alcohol from our medicines
We urge you to consult your doctor

Ayer's

Bilious attacks, sick-headaches, indigestion, constipation, dizziness—these are some of the results of an inactive liver. Ask your doctor if he endorses Ayer's Pills in these cases. The dose is small, one pill at bedtime.

Made by the J. C. Ayer Co., Lowell, Mass.

British Interested in Gas.

In addition to 1,255 gas undertakings in England, there were last year 20 British companies owning gas works on the European continent and in other parts of the world.

Don't Hesitate To Take Hostetter's Stomach Bitters

It has a proven reputation in cases of Poor Appetite, Belching, Heartburn, Flatulency, Indigestion, Costiveness, Colds, Grippe and Malaria. Don't experiment—insist on having

HOSTETTER'S IT TONES AND INVIGORATES