

# FARM AND ORCHARD

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

## EGG LAYING TESTS WITH S. C. WHITE LEGHORNS.

John H. Mack, special poultry student at the Oregon Agricultural College.

In this test the Leghorns were kept in close confinement, the five pullets and a cockerel having a run of only 10x20 feet, in which space was the house. The house was a 3x6 foot brooder coop, arranged for the use of the Leghorns. One half of the house was used for roosting quarters, the other half of the house being used for scratching shed. The latter half of the house was kept well bedded with straw to a depth of about 8 inches. A large portion of the whole grain was fed in this scratching section, some being fed in the yard to induce fowls to scratch around outside when the weather permitted. The front of the house consisted of two doors, which were open or partially open at all times, even in the coldest weather in the winter. No bad effects were noticed from the use of the open front house, even in some very cold weather. Their egg record and general vitality for that time gave indication that they were even benefited by the more nearly natural conditions under which they were kept, although the cold did seem extreme for them.

The soil on which these fowls were kept was somewhat heavy and in order to keep them from tracking cold wet mud, several inches of sawdust was spread over the ground. This served several good purposes. It kept the fowls off the muddy soil, it afforded a good scratching place for them because it dried out quite rapidly, they were not in the wet as long as they would have been if kept on the soil.

The feed consisted of a dry mash fed in hoppers, and whole grain fed in the litter. The grain feed consisted of oats in the morning and wheat in the afternoon. It was found that the fowls would eat only about one-third as much oats as they would wheat, but as there were oats and barley in the mash, it is very probable that they made up all deficiencies there. The mash was fed in dry in hoppers before them all the time. It consisted of one part ground corn, one part of a mixture of ground oats and barley, and two parts of bran. In other hoppers, kept constantly before the fowls, was fed beef scrap, charcoal, grit, and shell. A good supply of kale for green feed was kept before them. Good fresh water was within easy reach at all times.

The fowls were apparently in good health during the whole experiment. On the last day of the experiment, however, No. 2 pullet was found dead in the pen. The cause of the death was unknown. She appeared in good health and continued laying up to that day.

The experiment extended over a period of seven months, from November 1 to May 31. During this time the pullets laid a total of 538 eggs, valued at about \$12.60, and consumed \$3.91 worth of feed.

## CLATSOP HAS RICH LAND.

Oregon Agricultural College, Corvallis—That the district about Astoria is a rich one for development along the lines of vegetable gardening is the dictum of Prof. A. G. B. Bouquet, upon his return from a trip to that city, where he was called to consult with those interested in scientific cultural methods.

"The climate and soils in general are more suited to the growing of crops that do best in the cold seasons, such as cauliflower, cabbage, celery, onions, and practically all small fruits, rather than such crops as watermelons, cantaloupes or peaches, although some peaches have been grown there," said Mr. Bouquet, discussing his trip.

"Mr. Rist has built up a big reputation for some of the finest strawberries ever grown, on the upland soil, while a number of growers have been making large profits on the lowlands, which are for the most part tide lands, growing vegetables such as I mentioned. Mr. B. H. Miles, of Astoria, grew some celery last year which produced at the rate of \$2,000 per acre, and the demand was very much larger than the supply.

Chinese growers are demonstrating with great success the possibilities of the climate and soil. One difficulty the growers there have to meet is that of a home market, since they have no encouragement from local merchants, who prefer to make shipments by water from Portland. The college is sending the farmers of the district literature descriptive of the best scientific methods in gardening, and institutes for their further assistance are being planned.

There are thousands of acres of good cranberry lands there still awaiting development. There are very good opportunities for young men to go down and take charge of these lands.

At the present time dairying and vegetable growing are making an ex-

cellent combination. The dairymen can pasture their cows in green fields twelve months of the year, and all of the fertilizer produced can be used to good advantage on their gardens. They grow the finest kale and rutabagas in the world there.

## HIGH PRICES WILL COME.

Apple Crop Believed to Be a Very Moderate One.

Spokane—Apple growers in California, Oregon, Washington, Idaho, Colorado and other Western states need have no fears that first class orchard products will go begging this season, according to E. H. Favor, associate editor of the Fruit Grower of St. Joseph, Mo., who says in a communication to the management of the fourth national apple show in Spokane that it is now apparent the crop of the United States will not exceed that of last year, when it is estimated the yield amounted to 24,000,000 barrels. Continuing Mr. Favor says in part: "Those who have a crop of apples, especially if they are free from blem-

## FASHION HINTS



A mixed wool velour is used for this suit. Black velvet collar and cuffs, along with black ball buttons, make an effective trimming. The hat, with its uncurled ostrich feather is one of the newest shapes.

ishes and worms, need have no fear that they cannot be disposed of, no matter what the fruit buyer may say just now.

"It is always the buyer's purpose to pronounce the crop the largest and finest ever known. It helps to beat down the price.

"In some localities, (Eastern) unsprayed fruit has in some manner escaped serious damage by insects and is fairly good, but as a whole the worms have consumed the bulk of unsprayed apples so that they will be unfit for storage.

"The bulk of the space in eastern storage houses has not been constructed for, and very few apples have gone into storage yet. The amount of storage space still available is a good indication of the amount of fruit that will be harvested, and it will certainly pay a good profit to hold all apples that are in any way of good quality."

## USE ROAD DRAG NOW.

Good Roads Expert Says Heavy Rains Are Rural Blessing.

Oregon Agricultural College, Corvallis—"Use the road drag now," says Prof. E. F. Ayers, highway construction expert of the Oregon Agricultural college. "The heavy rains, thoroughly wetting down the roads, have made ideal conditions for the use of the drag before the heavy winter weather begins. All pot-holes, mud-holes, and other irregularities can be leveled and the surface of the roads put into first class condition by using the drag two or three times before the roads get too soft.

"The use of the drag, moreover, at this time, for crowning the roads will aid drainage and keep in good condition many roads which were very poor last year. The expense of using a road drag is slight, and a much wider use of it throughout the state would be very favorable. There is no better way to keep a dirt road in good condition than by dragging it frequently."

## The Rural Uplift.

"Has your family been of much assistance to you in running the place?" "I should say so," replied Farmer Cornkessel. "Food has been so high that the summer board season would have been a failure if it hadn't been for mother and our son Josh."

"They saved the expenses of help?" "No, sir; but Josh is a right good hand in a poker game, and the way mother picked up bridge was something amazin'."—Washington Star.

**TRY MURINE EYE REMEDY** for Red, Weak, Watery, Watery Eyes and Granulated Eyelids. Murine Doesn't Smart—Soothes Eye Pain. Druggists Sell Murine Eye Remedy, Liquid, 25c, 50c, \$1.00. Murine Eye Salve in Aseptic Tubes, 25c, \$1.00. Eye Books and Eye Advice Free by Mail. Murine Eye Remedy Co., Chicago.

"Every husband ought to make his bride a regular allowance from the start," said Senator Dewey at a wedding reception in New York.

"This is but just," he continued, "because from the start every bride finds that she must constantly make allowances for her husband."

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

## Decision Reversed.

The cook, who had held sway long enough to be established as family autocrat, was sent out to buy the Christmas turkey. She returned with two fine, plump chickens. "Why, Mary," her mistress remonstrated, "I told you to get a turkey, not chickens."

"I know, mum," she answered, "but I don't like turkey."—Success Magazine.

## Distemper

In all its forms, among all ages of horses and dogs, cured and others in the same stable prevented from having the disease with Spohn's Distemper Cure. Every bottle guaranteed. Over 500,000 bottles sold last year. \$3.50 and \$1.00. Good druggists, or send to manufacturers. Agents wanted. Write for free book. Spohn Med. Co., Spec. Contagious Diseases, Goshen, Ind.

"His wife is a business woman, all right."

"What makes you say that?"

"She's installed a time clock in the hall and he has to punch it when he goes out nights and when he gets back."—Detroit Free Press.

## Tumors, Goiters, Rheumatism

Chronic, Nervous and Female Diseases Are cured without the knife. Thoroughly equipped Sanatorium. Beautiful location. Rates the lowest. Write for literature.

Meadow Glade Osteopathic Sanitarium. Dr. Head C. Coon, Physician. Battle Ground, Wash.

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Reduce your cost of living; have fresher, better produce; add to life's enjoyment; enhance your property's value; feel better, look better, sleep better, be better. We sell trees, shrubs, bushes, vines, plants on the theory that "good plants will root and make good friends well suited."

Our large beautiful catalog, free for the asking, should be in every home.

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**YAKIMA VALLEY NURSERY CO.**  
Toppenish, Washington  
(Near Scowen Wash.)

**OESCH'S CRYSTALIZED LINIMENT.**

FOR RHEUMATISM, NEURALGIA, SPRAINS, BRUISES OR ANY PAIN.

MADE ONLY BY **BLUMAUER-FRANK DRUG CO.**  
PORTLAND, OREGON

**Mexican Mustang Liniment**

FOR RHEUMATISM.

Mrs. Olive Huntington, Norton, Ore., says: "I consider your Mexican Mustang Liniment the best of liniments. I have used it for different ailments and it always gave satisfactory results. It is especially good in cases of Inflammatory Rheumatism and all forms of lameness."

25c, 50c, \$1 a bottle at Drug & Gen'l Stores

**As We Speak It.**

A German who had come to America to master our language was being shown behind the scenes of a vaudeville theater by one of his American friends.

"That man," said the American, indicating an actor with a wave of his hand, "is taking off his make-up to make up for another take-off."

The German departed, sputtering.—Success Magazine.

**PISO'S** is the name to remember when you need a remedy for **COUGHS** and **COLDS**

## TALE OF HORROR TOLD

MISSIONARY TELLS OF AWFUL CHINESE PUNISHMENT.

Tortures of Prisoners and Almost Unbelievable Penalties Exacted by Official Sanction—How Deserting Soldiers Were Disciplined.

Kansas City, Mo.—Chinese military discipline is something fierce, according to Dr. A. L. Shelton, of Anthony, Kan., who has just returned from the land of the pigtail. The doctor tells this blood-curdling story of the cruelty practiced upon a good friend of his who was a major in the Chinese army:

"Three companies of Chinese soldiers under the major's command, but stationed in a different city, rebelled and deserted, taking their arms and ammunition. As the Chinese army is in the main made up of men who accept the service in place of a penal sentence, the most rigid rules are enforced heartlessly to get a minimum of service and discipline. They are paid the equivalent of \$2.40 a month, on which they must subsist. To them starvation is always imminent and a dead dog or mule or other animal, even when dead of disease, is greedily cooked and eaten.

"The major was held responsible for his rebellious troops, and only the intercession of the commanding general of the district, who got down on his knees and begged for the life of his subordinate to the civil governor, saved his head.

"The punishment was modified to dismissal from the army and 2,000 light blows from a small paddle. The paddle used is from one to one and a half inches wide, 18 inches long and probably the eighth of an inch thick. In administering it the thighs are bared, and light, even blows are struck on the thick flesh between the hip and knee, the victim lying prone on his face. The paddle is used with a sort of a flip and for some time makes no impression; 500 blows makes the flesh red and puffy, 1,500 brings the flesh to a jelly-like consistency, and 2,000 marks the limit of torture a strong man may endure and live.

"Often gangrene sets in and the victim dies; with the best of treatment it is months before the man paddled can use his legs naturally. In the case of the major the flesh sloughed off his thigh an inch and a half deep, five inches broad and 17 inches long. He expected to get well, but his legs would always be crippled. The rebellious troops were pursued, 200 of them were killed in action and the balance brought to camp for beheading. Eighteen of the soldiers were given swords and required to cut gashes in the flesh of their captain who was unable to prevent their rebellion, then they were beheaded before the captain.

"To stimulate other officers to greater zeal in handling their men the captain was then taken in hand by the official executioner who had bound him to a big stake for the men to gash with swords. With a keen knife the lips of the captain were sliced off, then his nose, later his eyelids were cut off and his eyeballs were exposed to the pitiless sun. After a few hours the skin of the forehead was cut away and allowed to drop over the blinded eyes, hanging by the corner edges. Then later the breasts were cut off, all but the skin at the lower edge, and allowed to hang; if the victim survived that, and the captain did, then the flesh covering the bowels was cut away and allowed to hang apron fashion while the wind and sun dried, and flies and vermin fed upon the blood and cut flesh. In this case the captain, long unconscious, died with disemboweling; in cases where a man survives that, then a knife is plunged in his heart at the end of the day of horrible torture."

## AN OLD CRIME IS REVEALED

Bones of Long-Buried Woman Found Beneath the Brick Floor of a House.

Elkton, Md.—Bones of a woman, with several faded bits of red silk, two remnants of what were once side-combs and a gold-plated pin, apparently evidence of a murder which probably never will be unraveled, were unearthed from beneath the brick flooring in the kitchen of the Thompson property at Centerville Landing, by William J. Eilers, a carpenter, who was removing the bricks preparatory to laying a wooden floor.

When the bricks were removed Eilers noticed a black subsoil. Digging down he unearthed decayed pieces of wood and old hand-made nails, then pieces of bones began to make their appearance. The condition of the bones indicated that they had been buried half a century or more, but the oldest residents of the locality can recall no mysterious disappearance of a woman.

# DOCTORS FAILED TO HELP HER

Cured by Lydia E. Pinkham's Vegetable Compound

Pound, Wis.—"I am glad to announce that I have been cured of dyspepsia and female troubles by your medicine. I had been troubled with both for fourteen years and consulted different doctors, but failed to get any relief. After using Lydia E. Pinkham's Vegetable Compound and Blood Purifier I can say I am a well woman. I can't find words to express my thanks for the good your medicine has done me. You may publish this if you wish."

—Mrs. HERMAN SIETH, Pound, Wis.

The success of Lydia E. Pinkham's Vegetable Compound, made from roots and herbs, is unparalleled. It may be used with perfect confidence by women who suffer from displacements, inflammation, ulceration, fibroid tumors, irregularities, periodic pains, backache, bearing-down feeling, flatulency, indigestion, dizziness, or nervous prostration.

For thirty years Lydia E. Pinkham's Vegetable Compound has been the standard remedy for female ills, and suffering women owe it to themselves to at least give this medicine a trial. Proof is abundant that it has cured thousands of others, and why should it not cure you?

If you want special advice write Mrs. Pinkham, Lynn, Mass., for it. It is free and always helpful.

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Finest in Quality, Largest in Variety.

They meet every requirement for cleaning and polishing shoes of all kinds and colors.



**GILT EDGE** the only ladies shoe dressing that positively contains OIL. Blacks and Polishes ladies' and children's boots and shoes, shines without rubbing, 25c. "French Glass," 10c. "DANDY" combination for cleaning and polishing all kinds of russet or tan shoes, 25c. "Star" size, 10c. "ELITE" combination for gentlemen who take pride in having their shoes look A. L. Restores color and lustre to all black shoes. Polish with a brush or cloth, 25c.

**BABY ELITE** size 10c.

If your dealer does not keep the kind you want, send us his address and the price in stamps for a full size package.

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The Oldest and Largest Manufacturers of Shoe Polishes in the World.

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Finely equipped machine shop and school room. Tuition fee \$35 cash; \$40 payments \$10 per week.

**BELMONT AUTO SCHOOL & GARAGE.**  
East 23d and Morrison, Portland, O.

Rollingstone Nomoss—Wot's a kleptomaniac, Tatters?

Tatterton Torn—A kleptomaniac, Rolly, is a fellow wot steals for de love of stealin', not because he wants de stuff.

Rollingstone Nomoss—Gee! Den I must be one. I swiped a cake of soap today.—Philadelphia Record.

# Colds on the Chest

Ask your doctor the medical name for a cold on the chest. He will say, "Bronchitis." Ask him if it is ever serious. Lastly, ask him if he prescribes Ayer's Cherry Pectoral for this disease. Keep in close touch with your family physician.

**Ayer's**

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

When you tell your doctor about the bad taste in your mouth, loss of appetite for breakfast, and frequent headaches, and when he sees your coated tongue, he will say, "You are bilious." Ayer's Pills work well in such cases.

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