

NEWS OF THE ORCHARD

Some Historical Facts Concerning Blight

What the United States Department of Agriculture Has Done and is Doing.

(Continued from Yesterday)

Referring to the matter of plant breeding by the department of agriculture, it should be understood that the most valuable work has been done in all lines by the office having this work in charge. Not only has breeding been practiced for the purpose of producing blight-resistant varieties of pear trees, but careful studies have been made on practically all plants which are more or less affected by diseases which make them unprofitable or difficult to grow. An immense amount of work has been done in the breeding of cotton, citrus fruits, alfalfa, cereals of all kinds, and along other lines. The most notable men in charge of this work are Carlton, Orton, Weber, Shammel, Hartley and others. These men have had no other work than that of producing blight-resistant, rust-resistant, wilt-resistant plants, which are to be grown by the farmer as soon as their stability has been demonstrated.

It has been suggested by some, as previously stated in this paper, that the findings of the scientists at Washington do not readily reach the farmer. Let it be said that this is a grievous misstatement and must needs correction. In the study of the control of plant diseases by the various means no group of men in the world have been so active and have done so much as the department scientists who have charge of plant disease investigations. It was the department of agriculture, through the present Assistant Secretary of Agriculture, Dr. B. T. Galloway, that caused the well known Bordeaux mixture to be known (1887 Circular No. 3) and used throughout the United States. The department through W. M. Scott also solved the question of profitable peach growing in the southern and eastern states, by the introduction of the self-boiled lime sulphur in the control of brown

rot. He also demonstrated the method of control of the bitter rot of apples, which has been so destructive in Virginia and other states to the south and west. It was Prof. Waite who demonstrated the control of pear blight, control of peach "yellows," "rosette" and "little peach," as well as the control of peach blight on the Pacific coast. We could go on at considerable length giving a long line of diseases studied by department experts in which control methods originated by them have been given to the farmer for his use in the protection of plants from diseases. The department has also been particularly active in the study of bacterial diseases of plants. Dr. Irwin F. Smith and his associates have carefully studied as well as discovered twice as many bacterial diseases of plants as all the other investigators in the world combined. They have also had to correct many a loose piece of work done by men in other institutions. This is a matter of record and cannot be disputed. For instance, Dr. Smith has studied and described the bacteriosis of beans, blight of mulberry, (independently by O'Gara and by Rorer) tomato blight, crown gall, olive knot, leaf spot of larkspur, bacterial spot of plum and peach, (independently by O'Gara and by Rorer) black rot of cabbage, wilt of cucurbits, wilt of sweet corn, wilt of tomato, egg plant, Irish potato and tobacco, angular leaf spot of cotton, bud rot of cocconut palm and others. Besides Dr. Smith's work, other workers in his laboratory have discovered and described a leaf spot of sugar beet, soft rot of calla lily, soft rot of carrot, and other vegetables, and a leaf disease of nasturtium. The soft rot of the sugar beet was discovered by Dr. Hedgecock and Dr. Metcalf; the walnut blight by Dr. Pierce, also department officials.

(To be continued.)

ROGUE EXHIBIT AT LAND SHOW MAKES A HIT

The Rogue River valley exhibit at the Chicago Land Show has made a sensation with 214 products grown on one farm by D. M. Lowe of Ashland.

The Portland Commercial club writes the Medford Commercial club as per telegram:

"Oregon is attracting tremendous attention and the booth is crowded with real farmers and earnest seekers after information, many sections of the country spending five to ten times as much as Oregon, are passed by with only ordinary interest, while Oregon is riveting the closest attention. Mr. Lowe's exhibit has been the theme of unusual newspaper publicity.

His special individual of one-farm exhibit is a tremendous hit and will probably continue to be the biggest triumph of the land show, and will certainly advertise the Rogue River valley in an effective way.

Tom Richardson of Portland writes the club to endeavor to send a large delegation to Roseburg December 4 in order to definitely assure the making of a state exhibit at Ashland, and it will want Rogue River valley to help bring this about. He writes that he has just returned from a week in California, and contrary to the generally accepted opinion, they are not organized as we are, and they fully realize the fact.

He urges Medford's business men to turn out as they did for Grants Pass and make the convention at Roseburg a rousing success.

SUES ESPEE COMPANY FOR FALSE ARREST

SAN FRANCISCO, Nov. 26.—Suit for \$125,000 against the Southern Pacific railway was brought here today by Edward A. Fiske, automobile salesman and club member, for alleged false arrest and imprisonment.

Fiske was held in jail recently for twenty-four hours, railroad detectives suspecting him of being the bandit who held up four Southern Pacific trains near here. He was released when trainmen and passengers declared he was not the robber.

BLIGHT COMMITTEE MAKES REPORT TO FRUIT GROWERS

To the fruitgrowers of Rogue River valley:

Your committee appointed by the authority of the mass meeting on the 8th instant to consider and act upon the matter of orchard inspection, begs to report as follows:

A thorough discussion of the situation, meeting the district horticultural commissioner, and the county court, have brought out the facts that the growers in many instances have failed to co-operate with the authorities, have been negligent, and in some cases have wilfully defied the law in the matter of handling blight. The result of this has been for the authorities to take the position that the growers are responsible for much of the damage done. This position is, in the opinion of your committee, both justifiable and reasonable, and your committee has asked that the law be enforced irrespective of circumstances.

At the same time, it is apparent that the past year has been an unusually favorable one for blight which created a situation beyond the control of the inspection force, and to meet this situation, to protect those growers who have observed the law, and to protect the fruit industry as a whole, the district horticultural commissioner and the county court have

CHILDREN'S HAIR

Keep It Clean and Free From Disease by Using Parisian Sage

If you want your children to grow up with strong, beautiful and vigorous hair, teach them to use Parisian Sage, which can be had at any drug or toilet counter. It is one of the best, most pleasant and invigorating hair tonics on the market.

Parisian Sage cleanses the hair and scalp from dust and excessive oils. Quickly removes dandruff, stops itching scalp and falling hair. Hair that is thinning out, faded, matted or stringy almost immediately becomes fluffy, luxuriant and radiant with life.

Get a large 50 cent bottle from Chas. Straub. He will refund your money if you are not satisfied. Parisian Sage is equally good for "grown-ups" and children. Every one needs it.

authorized nine additional inspectors to serve for such time as the conditions demand.

The matter of equipping and maintaining a laboratory for the study primarily of a remedy for blight by the pathologist, as recommended by the conference committee, is deemed inexpedient. In view of the cost, the efforts that we are assured by the United States government are being made by the department of agriculture, and the work being done by state experiment stations, to find a remedy backed by the large resources at their command.

Your committee is strongly of the opinion that the situation permits of no temporizing, and that the fruit industry of this valley, especially pear growing, can be preserved only by the willing cooperation of the growers and a strict observance of the law. We recommend your consulting the public officials in seeking advice, and your aiding them to discharge their duty efficiently.

Your committee will continue in force to meet future conditions, and subject to your commands until such time as its existence becomes unnecessary. In the meantime we solicit your cordial assistance to our mutual interest.

Obediently,

Fruit Growers Blight Committee,
 W. A. SUMNER,
 GEORGE PUTNAM
 A. C. ALLEN
 F. H. MADDEN
 D. W. STONE
 W. I. VAWTER
 H. C. GARNETT
 W. V. B. CAMPBELL
 J. A. PERRY
 S. V. BECKWITH
 Ex-officio,
 E. W. CARLTON, Secy.
 Ex-officio,
 Medford, Ore., Nov. 22, 1913.

All the machinery and space for passengers and crew of a new English dirigible balloon are contained within it, the idea being to overcome wind resistance.

Here's a test that will prove what you can do with

Cottolene

When frying doughnuts, just fry a few in ordinary lard, and the rest in Cottolene.

You will notice that those fried in Cottolene come to the top first—they come up almost instantly in Cottolene.

Next, when the doughnuts are done, you will notice the dry, tender surface of the Cottolene doughnuts. They are rich and flaky when the others are often soggy and greasy.

You will also be pleased with the delicate, rich coloring of those cooked in Cottolene.

Send for valuable FREE Recipe Book, HOME HELPS.



THE F. FAIRBANK COMPANY CHICAGO

Draperies

We carry a very complete line of draperies, lace curtains, fixtures, etc., and do all classes of upholstering. A special man to look after this work exclusively and will give as good service as is possible to get in even the largest cities.

Weeks & McGowan Co.

Oregon Agricultural College

FARMERS' WEEK
 December 8 to 13, 1913
 This will be a notable event in the educational history of Oregon. Farmers' Co-operation will be the leading topic of a stimulating series of lectures. The week will be crowded with discussions, and demonstrations in everything that makes for the welfare of the farmer and home-maker.

WINTER SHORT COURSE

January 5 to 30, 1914
 The College has spared no effort to make this the most complete short course in its history. A very wide range of courses will be offered in General Agriculture, Horticulture, Animal Husbandry, Dairying, Poultry Keeping, Mechanic Arts, Domestic Science and Art, Commerce, Forestry and Music. Numerous lectures and discussions on FARMERS' CO-OPERATION, at home and abroad, will be a leading feature. Make this a pleasant and profitable winter outing. No tuition. Accommodations reasonable. Reduced rates on all railroads. For further information address
 H. M. TENNANT, Registrar,
 Corvallis, Oregon.
 Farmers' Business Courses by Correspondence without tuition.

OPEN BIDS FOR BUILDING CULVERTS POSTAL HIGHWAY

Bids for the installation of culverts and bridges on the rural mail delivery routes out of Medford and Central Point were opened this noon at the Medford by Major W. A. Crossland having charge of the work.

No bids were awarded but R. D. Howard of this city was the lowest bidder at \$2830 for the work. There were five other bids as follows: Cummings & Leonard, \$5429; A. H. Sharp, \$4914; J. Stewart, \$9409; Wm. Anderson, \$6623; Garrison, \$7750, and Calvin Shaskey and Walkey, \$7569.

The bids will be sent to Washington, D. C., and be awarded from there about January 1.

Every Street in Medford

Has its Share of the Proof That Kidney Sufferers Seek Backache? Kidneys weak? Distressed with urinary ills? Want a reliable kidney remedy? Don't have to look far. Use what Medford people recommend. Every street in Medford has its cases.

Here's one Medford man's experience. Let C. C. Kriba, 33 N. Grove St., tell it. He says: "Judging from personal experience with Doan's Kidney Pills, I feel justified in recommending them. I suffered from a dull ache in the small of my back for months. The kidney secretions were also unnatural and at times retarded. Upon learning of Doan's Kidney Pills, I obtained a supply and began using them. The contents of two or three boxes entirely rid me of the trouble and improved my health. I know that Doan's Kidney Pills can be relied upon to give relief if taken as directed."

For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States. Remember the name—Doan's—and take no other.

Ladies' Therapeutic Massage Parlors

I have located in Medford, room 429 M. F. & H. building, to practice scientific body massaging, using Battle Creek, Mich., sanitarium methods and guarantee satisfaction.

Mrs. Emma Walker

Phone 869-R
Work for physicians solicited

WEST INDIES AND THE PANAMA CANAL

FOUR CRUISES FROM NEW ORLEANS
 to Kingston, Colon (Panama Canal) and Havana.
 By S. S. FUERST BISMARCK
 1st JAN. 24 FEB. 12
 S. S. KRONPRINZESS CECILIE
 FEB. 28 MAR. 17
 DEPARTURE 15 DAYS EACH COST \$125 UP

SIX CRUISES leaving NEW YORK, Jan. 14, Feb. 7, 22, March 11, 18, April 11 by S. S. VICTORIA LINDA and S. S. AMERIKIA.
 Send for booklet stating rates.
 Hamburg-American Line
 160 Powell St., San Francisco, Cal., or Local Agents.

Twenty-nine Days to Christmas

Nov. 26

Early Shopping Means Better Bargains.

My Headquarters This Season Will Be at the
Wonder Store

Statistics issued by the Russian factory inspectors indicate that working-class unrest, which had been delayed during the years 1908-10, has more recently reappeared in a steadily increasing ratio.

ELY'S CREAM BALM OPENS CLOGGED NOSTRILS AND HEAD--CATARRH GOES

Instantly Clears Air Passages; You Breathe Freely, Nasty Discharges Stop, Head Colds and Dull Headache Vanish.

Get a small bottle anyway, just to try it—apply a little in the nostrils and instantly your clogged nose and stopped-up air passages of the head will open; you will breathe freely; dullness and headache disappear. By morning the catarrh, cold-in-head or catarrhal sore throat will be gone.

End such misery now! Get the small bottle of "Ely's Cream Balm" at any drug store. This sweet, fragrant balm dissolves by the heat of

the nostrils; penetrates and heats the inflamed, swollen membrane which lines the nose, head and throat; clears the air passages; stops nasty discharges and a feeling of cleansing, soothing relief comes immediately.

Don't lay awake tonight struggling for breath, with head stuffed, nostrils closed, hawking and blowing. Catarrh of a cold, with its running nose, foul mucous drooping into the throat, and raw dryness is distressing but truly needless.

Put your faith—just once—in "Ely's Cream Balm" and your cold or catarrh will surely disappear.

Mother's Advice To Her Daughter

A Real Live Doll to Fondle is Woman's Greatest Happiness.

She is wisdom itself who knows of or learns of that famous remedy, Mother's Friend. It is an external application for the abdominal muscles and breasts.



It has a wonderful influence, a days all fear, banishes all pain, is a grateful encouragement to the expectant mother, and permits her to go through the period happy in mind, destined to anticipate woman's greatest happiness as nature intended she should.

The action of Mother's Friend makes the muscles pliant and responsive to expansion. Thus all strain and tension upon the nerves and ligaments is avoided, and, in place of a period of discomfort and consequent dread it is a season of calm repose and joyful expectation.

There is no nausea, no morning sickness, no nervous twitching, none of that constant strain known to so many women. This splendid remedy can be had of any drug, at \$1.00 a bottle. Write to Health Regulator Co., 232 Lagoon Bldg., Atlanta, Ga., for their book to expectant mothers.



ANNUAL PROCLAMATION

THE PEOPLE OF MEDFORD AND THE ROGUE RIVER VALLEY HAVE MANY THINGS TO BE THANKFUL FOR THIS YEAR AND ONE OF THEM IS THE FACT THAT MEDFORD HAS AN UP-TO-DATE MILL WHERE THEY CAN GET

Anything they want in Woodwork

GET IT MADE RIGHT, WITH MODERN MACHINERY BY EXPERT WORKMEN, FROM FIRST-CLASS MATERIAL. IF YOU ARE NOT ONE OF OUR CUSTOMERS TRY US.

Medford Sash & Door Co

"If Its Made of Wood We Make It."

Patronize Home Industries

THESE GOODS ARE MADE IN THE ROGUE RIVER VALLEY. KEEP THE MONEY AT HOME

<p>We have changed our name, hereafter the Mission Furniture Works will be known as</p> <p>The Pacific Furniture and Fixture Factory</p> <p>Home of the "Pacific" Cedar Chest.</p> <p>E. G. TROWBRIDGE, JR. Proprietor 113 South Holly Medford, Oregon.</p>	<p>Medford Iron Works E. G. Trowbridge, Prop. General Foundry and Machine Works Pacific 401; Home 298L. Res. Pac. 5031; Home 227L.</p>	<p>Cement Drain Tile Irrigation Pipe ETC. "It's Strongest and Everlasting" MEDFORD CONCRETE CONSTRUCTION CO. Factory N. Riverside Ave. Phone M-652</p>
<p>For the best of EVERYTHING MADE OF WOOD See us. We make a specialty of OFFICE FURNITURE and FIXTURES, MANTLES, SCREEN DOORS and WINDOWS, Etc. Factory Corner South Fir and 11th Sts. Both Phones MEDFORD SASH AND DOOR CO.</p>		