### PEAR BLIGHT AND ITS CONTROL COFFROTH'S RUN PACIFIC COAST UPON THE

This is the Fourteenth of a Series of Articles That Will Be Printed Daily Until Subject Is Completed-Every Orchardist in the West Should Save These Issues for Future Reference, as They Contain Valuable Information.

seeds and plants.

unless you know how far the infec-

work is either good or bad.

which may result to the soil.

By PROFESSOR O'GARA,

linfection. Dry weather tends to pre-Assistant Pathologist United States vent, not only the spread of infection Department of Agricuture. Writ- from tree to tree, but also the spread ten especially for the Medford Mail of the disease in the tree itself. It Medford Mail Tribune.

SUMMARY OF PRECEDING CHAP-

ceding chapters carefully, it may known as pear blight. The precipi- tumbling for the benefit of the picseem unnecessary to add anything tation which accompanies them is the tures, Jim has been down on his more, as it is beleved that all of the only factor besides warmth. important facts about pear blight 12. The only way to control blight the sign of the rabbit's foot or of the have been clearly stated. However, is to remove all cases of hold-over cross-eyed, red-headed girl, he has a resume will bring before us all the before the blossoming period begins. been loth to admitthat he is possesspertinent facts so that the reader Hold-overs removed during the blos- ed of a 'jinx," but at last he has been may see at a glance what he may som period do not insure that some compelled to "fess up." text again.

record was published n 1794 in the which to expose the tissues beneath, son fight. The loss of the contest blight gave to the highlands of the ed. upper Hudson the distinction of being the birthplace of the disease. How- should be birthplace of mercury, or affair from Solma to San Francisco, ever, at the time of the discovery, the corrosive sublimate, and use no other, thereby knocking himsef out of an disease had a wider spread through- This disinfectant shoul, be used at a extra match for May. out the New England states than has strength of 1 to 1000 or perhaps been recorded.

are free from the disease.

nois in 1878, and was published to poisoned. the world in 1880. Dr. Burrell found 14. There are no remedies for pear Jim believes the "jinx" will be at that the disease is caused by a small blight, and all so-called patent it as soon as the decision of the San germ belonging to the great family of washes or other "remedies" should Mateo county court in his Colma test bacteria, which are minute, micro- be avoided. Anyone who claims to case is handed down. scopic plants, the smallest vegetable organisms in the world. The pear blight bacillus is only 1-50,000 of an Those having "remedies" for sale fight, local boxing will be unusually inch in diameter, and about 1-25,000 have no standing whatever, if they quiet for the next four weeks. The of an inch in length; under the micro- had they would not oppose every sci- one break in the hiatus will come on NEW TEACHERS CHOSEN scope, when magnified 1000 diam-entific fact known. eters, its appearance is that of a hy-

phen, "-". apple family, and also in :

the cultivated fruits, therefore, it at- water sprout never break them off Ketchel contest, June 18. tacks the apple, pear, quince, loquat, plum and apricot. The following wild tion has gone. There is no further names so that students of botany may be able to look them up: (1) Service berry or June berry

(amelanchier alnifolia). (2) Thorn apple or haw (crat-

aegus donglasii). (3) Christmas berry or Toyon

(heteromeles arbutifolia). (4) Wild pear or apple (pyrus

rivularis). (5) Mountain ash or rowan (sor-

bus occidentalis). There are many more species of the above genera to be found in the

knowledge of the fact that all pome fruits blight should be sufficient. 5. The damage by blight n the eastern and southern states has been such that practically all of the bet-

ter varieties of pears have gone out and commercial pear growing is an industry of the past. 6. The blight has spread into every known section of the United States, Southern Canada and North-

districts still remaining free from it. spection and make it rigid. If a grow- month of June. 7. The first appearance of the er is caught experimenting or not blight is made evident by the blos- following out the directions for erad-

soms and young shoots becoming leating blight according to the letter withered and black, finally drying up. Later, branches and limbs, as well as the bodies and root system become infected. Even the fruit may become infected and wither away.

8. The infections first noted in the spring come from holdover cases ests by investigating the condition of which have resulted from the previous year's infection. These hold- eason why we cannot get such a corps applet, quince, loquat and even our During the blossoming period these neighbor's premises. If this had been 6, 1910, at 10 o'clock a. m. holdovers coze and this gummy sub- done the past year, several infection stance, which is filled with the bac- centers would have been wiped out, teria, become points for the starting and there would have been no inof new infections in the blossoms and fection and a good many dollars sav-

9. The germs from the holdovers to say that as individuals you have too great to be triffied away by ininsects. Biting and sucking insects a right and a duty to follow the ad- dividuals who have neither knowlcause infections in the young twigs vice and instructions which have been edge nor practice sufficient to devise and even the bodies. Sapsuckers, or given you for eradicating and con-woodpeckers, may also spread the trolling blight. Agovernment offi-ready been worked out by the patholbight. The use of pruning tools, not cer, who has had more technical and ogists of the United States departdisinfected, also spreads it. The practical experience all over the Unit- mnt of agriculture, whose entire enblight may also enter small growth ed States for a period of years, cer- ergy is given to the practical side of eracks in the twigs, limbs, bodies or tainly knows the situation and there fighting diseases. You have an Unit-

spread of blight, as well as favoring trifle with blight; it is too serious a able to giv you through its agents. 10. Weather conditions favor the

Unusually Quiet Four Weeks Precede Big Fight in Frsco-Bitter Pills Handed Out to Fight Promoter.

SAN FRANCISCO, Cal., May 25. -Any one desiring a brand-new Tribune. Copyright, 1919, by the is as easy to understand this as it is "jinx," guaranteed to wear, can have to understand that dry weather pre- it for the asking by applying to vents growth and germination of James Windermere Coffroth, Shasta and Sunshine clubs. Ever since the 11. Thunder, lightning and other John-Ketchel fight, in which Ketchell atmospheric disturbances have no in- lost three teeth, and a few tears, and To those who have read the pre- fluence whatever on the disease Johnson did some ground and lofty luck. Never having been a believer in

want to know without reading the infection has not taken place from the little imp of bad luck got on them. To remove holdovers, or rath-1. The history of pear blight er to find them, on the rough bodies for the biggest job of his careerdates from the year 1780; the first use a gouge or other instrument with the promotion of the Jeffries-Johntransactions of the Massachusetts A water-soaked, reddish condition of was a bitter pill, but there were more Society for the Promotion of Agri- the soft bark indicates infection to come. A great light suddenly culture. This first paper on pear which should be antiseptically remov- came over District Attorney Bullock of San Mateo county and Coffroth

Call Coffroth Fakir. stronger, but nover weaker. The use On top of this came that awful 2. The disease, known as pear of the various substitutes is a sense- "fight" last Thursday night. And blight, is not known outside of North less practice, as there is nothing now the supervisors, some of them, America. Europe, Asia, Australia and cheaper or more effective as a dis- are putting the boot to Jm, while he all other parts of the known world infectant than bichloride of mercury. is down, accusing him of being a "fa-It is a deadly poison and must be kir" and of being in on the deal to 3. The true character of the disease was worked out by Professor T.

J. Burrell of the University of Illi
kept away from children and the containers should be plainly labeled so the advertised figures by keeping his that unsuspecting persons may not be box office closed and sending scalpers into the crowd.

the night of May 27, when, accord-15. Summer cutting of blight ing to present plans, Jeffries will should always be done, but the work give an exhibition at the Pacific 4. The pear blight germ attacks to be effective must be done care-club's show, boxing three rounds each all species belonging to the pome or fully. Always be sure to get below with Bob 9rmstrong and Joe hovinor above the point of infaction. If ski. Following that there will be infects plums and the apricot. Among infection is found in a fruit spur or nothing doing until the Landford-

If Jeffries' date for Friday night fruits indigenous to the Pacific coast danger in the dead spur, but rather is kept and the others expected to states are also attacked by it. I in the infection which has advanced appear are on hand, there will be shall give the common names and af- beyond it. Breaking off the spur quite a gathering of stars and exter them the botanical or scientific and then applying the disinfectant is stars. With Jeffries, Armstrong and not eradicating the blight. Never hoynski in the ring and Jim orbett as leave an infection until you know a possible referee, the attraction will that there is no further danger from be great, but further interest may be it. Remember that there is no such added by Jack Johnson's presence as thing as "pretty good work;" the a spectator. Johnson is seriously considering attending the show to 16. In order to render the fight- get a lnie on Jeffries' condition. The ing of pear blight more easy, trees negro is from Missouri when it comes should be pruned ni the vase or open to tawes of Jeffries' great condition, head form. Never grow a tree with but a surprise will be in store for him a main leader or center. Keep all if he decides to attend.

water sprouts and fruit spurs off the A day of rest and a day of play body and main limbs of the tree. Let now seems to be Jeffries' program, no water sprouts come up from the despite his frequent announceemnts eastern and southern states, but a crown of the tree or the root system. that he intended to box daily. Yester-17. When blight is prevalent or day was a day of rest, the big fellow when seasons conducive to blight oc- going fishing after doing a few miles cur, extreme caution should be used on the road. The coming of Gotch in the matter of using stable manure, and orbett it is anticipated will see commercial fertilizer or applying too the last of Jeffries' loafing, the exmuch water. Irrigation practice pectation being that in the month reshould be studied carefully not only maining from the time of their arrival in its connection with blight control, until the day of the fight Jeffries will but with the benefits or injuries attend stretly to business. As Johnson plans to begin his strenuous work 18. The only way to keep blight about the same time, both camps ern Mexico; only a very few small under control is to increase the in- should be mighty lvely throughout the

Portland Teamsters to Strike.

PORTLAND, Or., May 25 .- Four of the law, force him by law to do hundred Portland teamsters today what the inspector has ordered. I announced their intention to strike believe that besides the regular corps for higher wages June 1. The union. of inspectors we should have per- which includes these men as memhaps 40 or 50 volunteer inspectors bers, numbers 95 per cent of the who will look after their own inter- team drivers employed in the city.

NOTICE TO STOCKHOLDERS. neighboring orchards. There is no Notice is hereby given that the overs may be found in the larger of men who will act. Their appoint- annual meeting of stockholders of the limbs, bodies and roots of the pear, ment may be made in the regular Pacific and Eastern Railway will be way, making them officers of the held at the office of the company, wild fruits, though less frequently. law having the right to enter upon a in Medford, Oregon, on Monday, June

By order of the President. G. P. HUMPHREY.

19. Lastly, in closing permit me terests in the Rogue River valley is is no reason for doubting his words. ed States department of agriculture, As a friend, I ask you all not to therefore, respect the advice it is

# Cuthberts

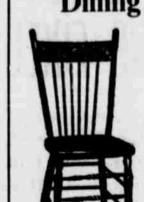
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He succeeds Professor John T. ers to select before the high school foundation for the \$30,000 public FOR KLAMATH FALLS Butcher, who has been principal of faculty is completed. KLAMATH FALLS, Or., May 25 .- the high school for the past two Willis E. Faught has been elected years. The other teachers selected principal of the Klamath county are C. A. Howard and Miss Helen

Work on School Building. Work commenced today on the work.

school on West Side Heights. L. N. Traver, of the contracting firm of Snook & Traver, arrived Sunday KLAMATH FALLS, Or., May 25. from Albany to take charge of the

# The Pasadena of Oregon

high school for the term of 1910-11. Conrey. There are three other teach-

People of refinement; people with means; retired business men; professional men; college and university graduates, are coming to the Rogue River Valley by the score. Within the past two years almost a hundred Chicago and Evanston, Illinois, people have purchased homes near Medofrd, and nearly every one of them has a friend or two whom they hope to induce to come and locate in the valley.

New York, Philadelphia, Boston and many other eastern cities are almost if not quite as well represented, while St. Paul and Minneapolis have more representatives here than any other several cities combined.

Think these statements over and get your thinker going. Write to the undersigned or the Medford Commercial Club for detailed informtaion about the country, and you will never have cause to regret it.

## Bearing Orchards Near Medford

Most of the producing orchards have been held in large holdings until recently. few weeks ago the Eden Valley Orchard, containing 605 acres, was placed on the market in any desired acreage. We have been authorized to offer the bearing apples and pears for sale, and if you know anything about this country and want a desirable block of bearing trees, write or come soon. During the past week over \$150,000 worth of the property has been disposed of. It is located within two miles of Medford at an elevation of about 100 feet above the city and is one of the best kept orchards in the world. Parts of the orchard offered for sale have paid the owner over \$600 per acre per year for four years straight.

Do not come unless you are prepared to stay, for just so sure as you do come the combination of fat soil, grandeur of scenic beauty and Italian climate will steal you, body and soul. After one visit here you will be miserable any other place on earth.

John D. Olwell

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