PEAR BLIGHT AND ITS CONTROL PACIFIC COAST THE **UPON**

This is the Eleventh 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.

By PROFESSOR O'GARA, Assistant Pathologist United States Department of Agricuture. Writ-Medford Mail Tribune.

(Continued from Thursday, May 19.)

Pruning in Vase Form. decidedly the most desirable form to conditions. the main forks or leaders should be shortened in so as to make a tree gation are three very important fac- engineering difficulties. kept off the body and main limbs, text plain. Thorough cultivation is demands of newcomers.

and if lateral fruit branches are demore essential, especially from south—

Whatever plan of development is from the spring of the year until from the spring of the year until autumn the season is practically with-out precipitation. In districts where irrigation is practiced, cultivation is just as necessary. In the east it is not an uncommon practice to permit pear alight a difficult one. It is hard to get into the top of the tree with this closed center to find out what is going on, and, besides, the fruit spurs and water sprous being close to the body as well as upon it, readily carry the blight in, usually resulting in the entire loss of the main portion, if not the entire tree. One only needs look the sufficient of the spring of the year until autumn the season is practically without autumn the season is practically without the year until autumn the season is practically without the say nothing of the appreciation of the land and the increased attractiveness of the region for investors.

MOUCHERS ARE MOVED

BY LOCAL POLICEMEN

The police force have been busy during the past few days looking up and giving marching orders to a number of fellows who have been accommulating the wherewithal to protein the entire tree. One only needs look vigor is lacking. The necessity for the entire tree. One only needs look around the valley where the pyramidal or central leader type is grown, and it will be seen that an infection on the body resulting in a girdling of it necessitates the removal of the entire center above the point of infection; thus removing practically the heart of the tree's grown. heart of the tree's growth. Any of tained during the growing season of the limbs left below the point of in- the trees. Some of the moist deep fection are usually long and slender, soils in the Sacramento River disand, besides, are usually poorly plac- tricts and perhaps in a few spots in ed to form a good tree of any sort the Rogue River valley retain their thereafter. The prevailing type of moisture so well that pears get along ing the small force and the influx Bartlett tree in California is very near very well for a year or so without the desirable form; however, in many cultivation. On the other hand, praccases, after heading back the trees, they have been allowed to grow three or four years and then reheaded sev- bring them up to anything like noreral feet from the crown, sometimes mal and to mature full crops. as high as 15 feet, resulting in a twostory pear tree. In very few cases

would be better to shorten in six pose than adding fertility to the soil. inches than to lengthen to 18 inches. Now that pear blight has come into TO SEPARATE BOYS AND the valley, this method of pruning, or forming the tree by maintaining a central leader, will have to be altered. I know of perhaps 500 or 600 boys and girls of South Central high trees that have been wholly lost on school may be separated in their account of this style of growth, that class work and their recreation next is to say, practically the entire bear- year, according to plans now being ing portion of the trees had to be tak- discussed by the faculty and the en out on account of blight girdling board of education. The change, if the leader. In many young orchards found successful, may later be adoptwhich have been planted within the ed in the north side high school, and past two or three years, the growers possibly in the grammar schools. are changing them into the vase or open-head form, recognizing the great difficulty in saving the other type of tree should blight become serious. In Mayor Edward H. Crump was arthe larger trees it is a rather difficult rested, charged with expectorating thing to change them over into the on the tiled floor of the new \$2,000,wase form, but in every case where 000 courthouse and was fined \$5. blight has seriously damaged such trees the resultant tree, of necessity,

is cut out. in more serious attacks of the blight. bottle. Medford Pharmacy. Everyone knows that the more vigorous the winter pruning the more lux-

uriant the twig growth during the following season. The result always is that every dormant bud tends to J. Blakeley of Roseburg is backed by Department of Agriculture. Written especially for the Medford Mail push and, being very tender and sap-Tribune. Copyright, 1910, by the py, easily becomes infected and blight badly. On the other hand, as soon as of the Applegate river to irrigate the the trees come into bearing summer valley in the vicinity of Grants Pass pruning if properly practiced will re- by a gravity system. Mr. Blakeley sult in a more normal vegetative condition and the tendency to set fruit toward the organization of an irriga-The whole subject of pruning is will be correspondingly greater. A tion district, petitions for that pursuch a length; one that it can scarce- very heavy set of fruit, other factors ly be gone into in full detail, How- being equal, always tends to keep down excessive vigor; and this is usu- is the claim of Mr. Blakeley and his ever, the vase-formed tree headed ally a good thing under Pacific coast associates that sufficient water can low and with the main branches conditions, where the growing season be gathered at the head of the Appleshortered in to 18 inches or less, is is long as compared with eastern

The matter of fertilization is an im- MAN LOSES HIS FORTUNE has there been any attempt to keep portant one, especially where large the fruit off the main frame-work crops have been taken for several branches, and to keep the water successive years from an orchard. sprouts and fruit spurs from the bod- However, it is known that nitrogen- Philliman Ramsdale lost his blackles and roots. There has been no ous fertilizers, such as stable manure, smith shop in a fire Monday night he special occasion for forking at the as well as commercial fertilizers con- also lost his fortune. The smithy frame-work, since at the time the taining large amounts of readily avail- had over \$500 hidden in a keg partly trees were being formed pear blight had not made its entrance into the California orchards. Among many ulated blight more seriously than rather than trust it to a bank. The

growers, especially those of the old those not fertilized. Fertilizer must heat of the fire melted the gold and school, in the Rogue River valley, we be used, but it should be used in iron together, and when Ramsdale find that there is a tendency to adhere moderate amounts. There is no ad- found his hoard today it presented a to the pyramid form of tree in practi- vantage in using an excess of potash sorry sight. The blacksmith is now cally all varieties grown, even the to make the trees more hardy and looking for a friendly smelterman to Bartlett. We readly understand why thus more resistant to blight. The return his savings to him. this has been the case, because the fondest hopes of some would be exploneer fruit growers in the valley perimenter have been blasted by tryrecognized only this form of tree as ing to prevent blight injury through being, perhaps, the easiest to prune the use of potash in the form of mu- strike of the laborers in the Bethleand undoubtedly the easiest to keep riate and sulphate. It is the same old hem steel plant, declared May 4, has from breaking down when heavily story, the blight must be controlled been ended. loaded with fruit. Their weak at- by having no holdovers present durtempts at forming the open-headed ing the infection period. I have seen tree were failures because during the large commercial orchards practically first two or three years' growth they ruined in one year where potash was failed to shorten in enough. Even to- used as a preventive against blight, day this is the common error, and it so avoid using it for any other pur-

GIRLS IN CLASSROOMS

SPOKANE, Wash., May 20 .- The

Mayor Is Fined for Spitting.

MEMPHIS, Tenn., May 20 .-

Medford, Oregon: This certifies becomes vase formed when the blight that we have sold Hall's Texas Wonder for the cure of all kidney, blad-Severe pruning, though in most der and rheumatic troubles for ten cases, of course, giving good results in years, and have never had a comstimulating vigorous twig growth and plaint. It gives quick and permanent fruit production, tends also to result elief. Sixty days' treatment in each

Haskins for Health.

WET 40,000 ACRES ON ROGUE RIVER

Eastern Capital Plans to Store Water in Rich Fruit Section-Fred J. Blakeley Is Head of Company.

GRANTS PASS, Or., May 20 .- F. build a storage reservoir at the head has taken the preliminary steps pose being circulated and signed by a considerable number of people. It gate to cover 40,000 acres of land. and the topography of the country is grow a tree. Up to the third year Cultivation, Fertilization, Irrigation. such as to make a large storage res-Cultivation, fertilization and irri- ervoir feasible and without any great

with sturdy frame-work, and at the tors to be considered in connection | The coming of irrigation from same time keep it down lov so as to with the control of pear blight. I some source is as certain as the sunbe accessible for spraying, picking shall take these up separately with rise. The values of fruit lands are fruit, etc. If the water sprouts are only as much detail as will make the constantly being advanced by the

veloped within the fruiting area, the ern Oregon southward on the Pacific adopted by the local irrigation commost desirable form of tree will be coast, than in the east, for the reason pany, if it goes through as projectproduced for controlling the blight. A that rainfall is not only much less, but ed it will mean much to the city and tree pruned to this form, even if in- from the spring of the year until vicinity, for it will put a large

more congenial habitat.

The police force is making every effort to keep down lawlessness and have succeeded very well, considerpeople are to be found, and Medford is fortunate in being practically exempt from their presence.

WHEN HIS SHOP BURNS

ASOTIN, Wash., May 20.-When

BETHLEHEM, Pa., May 20.-The

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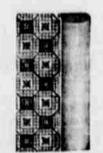
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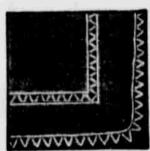


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Married Three Sisters. LEBANON, Pa., May 20 .- Mrs. died and he married her widowed Nancy Neal, 82 years old, whose sister, and at her death he married husband died several years ago, is the youngest, who had already been dead. She was the third sister who married twice. married Neal. The oldest sister, to whom Neal was engaged, died, and Hackins for Hoalth.



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