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EDITORIAL COMMENT

THE SCIENTIFIC American tension arm may be used. of the 9th inst. has for its first page a comparison of the automobile trade for the various Festival are sending out some as the orchard comes into bearing. years from 1895 to 1910. The stirring literature these days. money value of autos manufac. One of the paragraphs recites tured in 1895 was \$157,000; in that several airships, aereoplanes 1899, \$1,290,000; 1903, \$16,000,- etc., will be on the ground. They 000; 1907, \$107,000,000; while usually are. the estimate for 1910 is \$237,-000,000, and yet we hear a lot said about present day high pric- AN ORDINANCE providing the manes, and expensive living. The facts are thousands of people are buying autos, just as they have therefor, and repealing Ordinance 28 previously bought pianos or of the town of Gresham. horses or endless other things Be it ordained by the Common not so much because they are council of the town of Gresham: useful, but because it is a fad. Section 1. That all sidewalks, cross-In five or ten years from now walks and curbs hereafter built or conthey will be buying air ships. structed within the town of Gresham, One of the most distressing shall conform to the manner of con-struction and the specifications hereinthoughts that comes to the mind after set forth and by this ordinance of the prospective traveler is the established. recognition of the adoption of modern ideas and appliances in Section 2. All plank walks upon the historical cities and buildings of the old world. We like to fame that work has a shall be five feet wide, and shall be constructed by the laying of three fancy that every historical point stringers of a size 4x6 inches, all plankor place would appear just as it ing to be of two-inch plank, not less did in the ages past when it first than eight inches in width, and every came to be famous. Only today eight feet a plank shall extend to outwe read that St. Peters, Rome, side of caro they shall be installed has installed a modern elevator a curb not less than three inches to carry ten persons to its cupo- thick by 12 inches wide, set edgeways, Ia. It may be all right for the and being a distance of seven feet from local populace, or for an army of the property line, said planking to be globe trotters and or satiated to be spiked with not less than five getting the soil in shape. spread by means of spores, which are carried from leaf to leaf by the wind. sightseers, but for the true hero spikes. worshiper, student and lover of improvements are and imaginations with a thous- pleted with a top surface of threeand thoughts that are completely fourths of an inch of a mixture com- apple tree gives off as much as 250 galexcluded by the rapid transport- posed of one part cement to two parts lons of water a day through its leaves ation of modern times. The Postal Department is ing cement walks. much a benefit to them as it is nails. to the people they serve. course, if pursued, will not only result tion provide. in benefit to the patron in serving to Section 6. Ordinance No. 28 and all a uniform color and serve to fix their are hereby repealed. identity in all parts of the country as Adopted this 7th day of April, 1910; United States mail boxes, and will give approved this 7th day of April, 1910.] them a much neater and sightlier appearance than they now possess. It is Attest: D. M. ROBERTS, Recorder. also desired that patrons be induced to imprint their names and box numbers on boxes in black letters about two "Ma." inches high.

arm of wood, or to a bracket of band ron about three-sixteenths of an inch ...

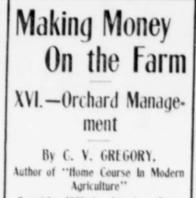
boxes securely fastened to a projecting

Ordinance No. 49

ner of constructing sidewalks, curbs and crosswalks in the town of Gresham, and providing specifications

PLANK WALKS

CEMENT WALKS



Copyright, 1909, by American Press Association OR a few years after the young orchand is not orchard is set out it will do better if it is cultivated. Dur-

ing these first few years, before the trees come into bearing, it is neither necessary nor desirable to let the land lie idle. Some cultivated crop can be grown between the rows of trees, thus utilizing the land and giving the orchard the needed cultivation. Corn is not a very good crop for this purpose, since it grows too rank, shading the young trees and depriving them of their share of the moisture supply. Potatoes are one of the best crops that can be grown in a young orchard. Squashes and cabbages also fit in well. It is often convenient to have the vegetable garden in the orchard during thick, or, if preferred, an automatic ex- the first few years. Small fruit can also be profitably grown as a filler crop. Where bush fruits are used, The promotors of the Rose however, they must be cut out as soon



FIG. XXXI-PLUMS HANGING THICK. ome within three or four feet of the young trees, as they need plenty of sunlight and moisture.

quent and thorough cultivation. As The most efficient fungicide is borsoon as the land can be worked in the deaux mixture. This is made by disspring it should be plowed, unless this solving four pounds of copper sulphate has been done the fail before. After and four pounds of time in tifty galplowing the disk or spring tooth har- lons of water. The object of a fungirow very effectively breaks up the cide is not to cure diseases, but to preciods and fines the surface. A final vent them. These fungous diseases

Cultivation.

itivating the orchard. In the first grow and produce another center of

deal of good by eating wormy fruit and thus destroying the worms.

Where it is not convenient to allow hogs or sheep in the orchard an occasional load of well rotted stable manure will be beneficial. Do not pile this around the trees, but scatter it evenly over the ground. Wood ashes are a good substitute for manure, but can seldom be obtained in sufficient amounts to be used to advantage.

If the orchard is properly attended THE man who is always starting to from the start little pruning will be necessary. It is much better to pinch off a twig occasionally than to cut off a branch as big as your arm a few to go over the orchard in the spring his wife to get him out. and clip off such twigs as do not seem to be needed. The object should be to produce an even, spreading, somewhat open head. If it ever does with us.

become necessary to remove large branches they should be cut close to with white lead. It is better to do often necessary. this severe pruning in the winter before the sap begins to run.

Spraying For Insects.

One of the most effective means of securing large crops of fruit is spray-Fruit trees of all kinds are subject to many injurious insects and discases, which if left to themselves will materially lessen the yields. There are two kinds of insects-biting and suck-The former can be combated by ing. means of polsons sprayed upon the leaves. The sucking insects, of which plant lice are the most common examples, cannot be killed in this way, since they drill into the plant and suck the juices. The most effective remedy for them is some insecticide which will kill by contact, like kerosene emulsion. Whatever crop is grown it should not This is made by dissolving half a pound of soap in a gallon of boiling water, adding two gallons of kerosene and churning the mixture violently until the oil is thoroughly mixed with the soapsuds. This is diluted with nine times as much water before using. It may be applied with a spray pump whenever the lice are trouble

some and is a very effective remedy. The biting insects are by far the most troublesome in the orchard. or these the codling moth probably does the most damage. It is the larvae hatched from the eggs of the codling moth that cause wormy apples. The tent caterpillar and canker worm at. quite as interesting as a game. tack the leaves, sometimes stripping the tree bare. There is no better remedy for these insects than paris green dissolved in water at the rate of one pound to 100 gailons. Three pounds of freshly slaked lime should be added to on her."-Houston Post. prevent injury to the foilage. Paris green can also be used for the plum curculio and for the other insects which attack the plum and cherry. The foll age of these trees is more tender than that of the apple, however, and for that reason some less severe insecticide, such as arsenate of lead dissolved at the rate of three pounds to fifty gallons of water, is better.

Spraying For Fungous Diseases. The most troublesome fungous diseases are apple scab, plum, pear and The filler crop should receive fre- cherry leaf spot and peach leaf curl.

When they alight on a leaf, especially There are two principal objects in if the surface is a little moist, they

1000000000000 Humor and Philosophy By DUNCAN M. SMITH 600000000000

PERT PARAGRAPHS.

something needs to be swift and sudden in his sidestepping abilities.

The man who is always getting into years later. It takes but a little time trouble usually is found depending on

> Christmas comes and Christmas goes. but the bills for the same are always

It is hard to make some people bethe trunk and the wounds painted lieve that they are smart, but it is

You can drive



doesn't. All this time the north pole never treamed it was lost.

Being busy is the privilege of some men and the principle of others.

Occasionally the one most in need of a chaperon is the chaperon.

Every time we go to a wedding we catch ourselves wondering which will say skiddoo to the honeymoon. It is

Made Her a Fright. 'Mrs. Jones has a new hat." Well, you look mightily pleased

about it." "You just ought to see how it looks

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CC YOUR WATCH 7

KEEP TIME

MOULDINGS

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CEDAR POSTS



WAIRS more than an intrusion. They structed upon streets not less than 50 are little less than blasphemy. feet wide shall be constructed as fol-

fronted with a street car, an au- not less than 12 inches in depth, make ready there available by cultivation. tomobile, or even a carriage ? of one part cement to six parts gravel, He would travel the streets on cemented over or finished by a coat of foot, just as Cæsar and his pre-on top and outside surface. All cemdecessors did. And the utter ent walks shall be five feet wide, comfoot would flood our memories and eight parts of gravel, to be comsand, said surface to be laid off and during the summer months. finished in the usual manner of finish-

sending out a new circular in reference to rural route boxes and madways. We quote from shall cross any sidewalk, said sidewalk shall be protected by being planked and roadways. We quote from with two-inch plank laid lengthwise cured. One of the best means to give it at length. Let every one in- full width of said sidewalk with suita- this is by plowing and preparing the terested in rural delivery give ble approaches. All cross walks shall soil in the spring and then sowing consideration as the conveniences be five feet wide, built of 3x12 inch clover or some legume as a catch crop. afforded the carriers is not so 6x6 inches, spiked with 60 penny

Section 5. Upon all streets being less It is the desire of the Department than 50 feet wide, sidewalks shall be plowed under the next spring. that you earnestly request patrons of constructed both as to width and rural delivery out of your office to paint material as the council shall, when time that it will be impossible to cultheir boxes and the posts to which they determining any sidewalk improveare attached a pure white color. This ment upon any such street, by resolu-

protect his box and post from damage other ordinances or acts, or parts of by the weather, but will give all boxes ordinances or acts, in conflict herewith,

LEWIS SHATTUCK, Mayor.

Precaution. "Yes."

Posts to which boxes should be at- "I wish you would tell Santa Claus tached shall be set in an easily accessi- that I have some of those cigars left ble position at the side of the road and that he brought me last Christmas."

place, cultivation, as explained in article No. 2, liberates plant food and so thin conting of the copper sulphate Why should a man who goes to There shall be constructed a curb of apply fertilizers to the orchard until important that they be applied early. growth. It is a wasteful practice to they start to grow. Since fungicides Papers may be sent to separate addresses, Substudy Rome want to be con- not less than six inches in width and you have made the fertility that is al-The second reason for tillage is to be added to the bordeaux mixture at conserve moisture and promote deep rooting. The upper layer of a cultivated soil is dry, and in consequence the roots will turn downward to seek a layer in which there is more moisture disappointment to land at Joppa posed of gravel or dirt tamped to with- At the same time the upward rise of and find a steam railway train in three inches of grade. On top of water by capillarity is checked just at waiting to take you to Jerusalem, this there shall be spread and well the dry layer, so that little is lost by tamped two and one-half inches of con-trot would flood our momentation of one part cement the soll a vast storehouse of make the soll a vast storehou moisture for orchard trees, since they must have large quantities if they are to produce profitably. A full grown

Cover Grops.

As the trees come into hearing the growth of a cultivated crop between the rows should be discontinued. Some cultivation, however, will still be nec-This will supply the soll with nitrogen and humus and keep it in good phys-Ical condition. Calves, sheep or hogs may be turned into the orchard in the fail to eat the clover, or it may be

The trees will be so large by this tivate close to them, nor is this necessary, since the feeding roots are farther out in the spaces between the rows. The space close around the trees may be seeded to blue grass or some other perennial.

As the orchard gets older it may be left in clover for two or three years at a time. An occasional plowing and reseeding will be necessary to renew the clover and to prevent the orchard from becoming sod bound. If used as a hog pasture the hogs will keep the fail. soll loosened up sufficiently, at the same time adding considerable fertility. In such a case all the treatment can be presented more attractively in that is necessary is an occasional re- this way. There is an advantage in a seeding. If well fed the hogs will do small package, too, as people will often no damage to the apple trees. On buy a box of apples when they would the other hand, they will do a great never think of buying a barrel.

In order to save time parts green may the rate of four ounces to fifty gallons or arsenate of lead at the rate of two pounds to fifty gallons and one spray ing made effective for both insects and

If you have many fruit trees it will pay to send to the experiment station for a spraving calendar, which will



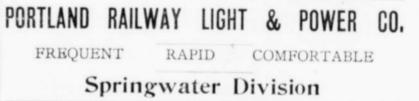
FIG. XXXII-HARVESTING APPLE CROP.

give full directions concerning time and manner of spraying. For apples the first spraying should be given about the time the first leaves burst the buds, the second just before the blossoms open and the third just before they fall. If necessary, a fourth spraying may be given from ten to wenty days after the third. In late July or early August another spraying should be given for the second brood of the codling moth. The two most important sprayings are just before the blossoms open and just after they

Boxes are better than barrels for marketing high class fruit, as the fruit

McCALL'S MAGAZINE (Ladies') 1.50 This price is for delivery by mail only and Journal five years and Horse Secrets for enables the plant to make a faster mixture the spores are killed before only when remittance is made with order only \$1.90. Horse Secrets alone is

The Herald for one year, and Farm worth a dollar to any man.



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