THE OREGON STATESMAN: THURSDAY, APRIL 29, 1920.

No Better Grapes Can Be Grown in the World, Nor More Grapes to the Acre, of the Wanted Kinds, Than Can Be Grown Here

CHIEF IN HORTICULTURE AT O. A. C. **GIVES HIS O. K. TO GRAPE CULTURE**

"Grapes Are Very Productive in This Country, and the Question of Profitable Grape Growing Rests Not on Producing the Grape, But Upon Getting a Market for It," Says Prof. Brown

In both these systems, the cutting

Valley

those used in between.

(Oregon Agricultural college has nine feet apart and from eight to stub of the vine. This strong cane, no available bulletin on grape cul- ten feet apart in the row, depending that has fruited and grown through ture-but one will be prepared if the upon the vigor or the variety, the one season, will then be let down millage bill passes, giving that insti-tution some money to work with; and a number of other matters im-wires, the two wire system being fruit. Usually two good bunches can portant to Oregon farmers and fruit much more common. Posts are set be counted upon to come out of the growers are awaiting that issue. But about 30 feet apart and the wires young shoot which springs from the the chief in horticulture of O. A. C. are usually about 12 gauge galvan- bud of the cane which is laid down ized iron. The end posts should be along the wire. It is, therefore, sue af The Statesman:

Some Important Phases. Editor Statesman:

Your letter to Miss Helen Holgate under date of April 22nd has been referred to me.

I am sorry we have no bulletin on first, two wires are run for the trel- considered to be about 120 bunches. grape growing which is available for lis at heights of 2 1-2 and 4 1-2 feet. That would mean that about 60 buds distribution. I have looked through The little vines are trained up to the would be left upon the canes to promy files to see if I have something first wire where two arms are allow- duce fruiting shoots. suitable which I could sent you and which you could return to me, but the wire, and from these arms the I do not find anything which is quite up-to-date in all matters and that per wire if they get long enough dur- There is some prospect, however, that would be of use to you. We hope to ing the summer. In the four-arm grapes may be grown here in the fupublish a grape bulletin some time system, the young vine is trained ture for their juice and for jelly this summer if the fates are kind to as and we can get some more money and the two wires are at the heights tions of the country. to work with after May 21st.

of three and five feet above the I will give you a few ideas of the more important phases of grape growing.

To go into the matter very deeply they come out, droop down. would require a bullettin, as you understand.

In the first place, the grape reeach year is practically the same. The very truly, quires a rather light loamy soil and old cane, which sent out the fruiting will do better if this soil is on a canes for this year, will next year be south or southwest exposure to ascut back to a strong cane nearest the Corvallis. Ore., April 24, 1920. sure plenty of warmth and sunshine. Grapes must have plenty of sunshine quently the lightest and poorest soils on the farm are used for the to manufacture sugar. Very freculture of grapes, but that does not mean that the grape will do its best on such soil, although it may come through fairly well.

Of the varieties that I would recommend in the Willamette valley. would mention such as the Concord, Niagara, Diamond, Moore's Early, Worden and Agawam. These all, as you know, are American varieties. The climate in the Willamette valley is not suited to the production of the vinifera or European grapes, Grapes are planted in rows about

fruits grown not excepting the lo- Christmas, but to grow a grape for ganberry or the prune. long keeping requires a little addi-The grape fever has broken out tional treatment more than it does

in New York, and one nursery man to dump them on the market at in Illinois wrote me that a New picking time. York syndicate had bought two mil-Some of the advantages of grow-

lions of acres in Michigan and was ing grapes for profit over oher planting it all to Concord grapes. small fruits are: and that they had fleeced all the

The plant is long lived; perhaps nurseries in the land of Concord about 25 years. plants. The plants do not winter kill in this climate. I don't think I lost

The Concord is king of all grapes. it being the grape that most all the a single plant last winter. commercial grape juice comes from.

For a grape for this climate, it needs a favorable location, as it is a little late in getting ripe some sea-The Campbell's Early is a crop. sons.

seedling of the Concord, but ripens two weeks earlier.

yard. The juice factories buy them at the same price as Concords, as the mon cherries. aroma is identically the same. 1 have the King and McPike grapes. of the both seedlings of the Concord, but much larger. In a former article poor looking bunch. I stated that the McPike excelled as a novely; but the last three years

very well braced and larger than necessary to cut back these canes, it has come through with a good after they are laid along the wires, The two common methods of prun- to a point where the vine will not satisfactory crop, and I mean to ing the grape are what is called the over bear. For strong growing Amerplant more as soon as I can get earlier experience. two-arm or tie-up system, and the ican grapes like the Concord, a maxplants, but will have to propagate four-arm or kniffin system. In the imum crop for commercial vines is them myself, as the demand has

eating.

your hand

The

sent the price 500 per cent higher young to such an extent that it is than usual. almost worthless unless it is restric-I have been asked times without ted. Since I learned to prune number which is the best grape for

heavy it delivers the fine goods. Moore's Diamond is perhaps the With my grapes, the one that is most desirable white grape, always best of all is the one you have in

on the job with fine bunches, but a Concord will keep until poor keeper.

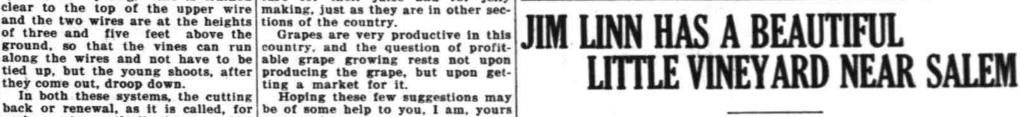
There are no off years. There

was one season several years ago

when we had a heavy frost in Sep-

tember that got almost the entire

As for harvesting, one man can



He Grew Grapes in Competition With Jack London When He Was a Youngster, and He Thinks He Put It All Over the Great Story Writer

J. R. ("Jim") Linn of Salem is to the acre with the layering system interested in a good many things, in- But that system takes the most labor cluding hops, prunes, loganberries, of all.

general farming and stock raising. Then there is the trellising syshotels, the state fair, politics, etc. essor Brown, of the Oregon Agricul-But he takes as much personal interest in his young vineyard, four tural college. Mr. Linn uses the stumping sysdistrict, as he does in anything else. tem. When Mr. Linn was a number of He says this is the system used in years younger than he is now, he California for large acreage. 11 was on the payrolls of the state of makes for easy cultivation and har-California. working at the home for resting. the feeble-minded children at Glen The stumping system is like this: Ellen, in the Sonoma valley. He then The second year tie up the first had the care of the vinyard of that ear's growth to a stake 18 inches institution, and the vineyard that he high which makes the stump of the attended was across the road from vine. Each year after that cut back A new idea dawned upon me last the one on the farm of Jack London, the season's growth to about two season. I found that I could keep the great novelist, and near one will grapes of certain kinds all winter owned by Dr. Donnelly, mayor of Thus the new growth eyes. branch out and make a bush high San Francisco and whilom canenough to carry the fruit off the mas. And the thought of putting didate for governor of California. When the vines produce There was a good deal of rivalry ground. fruit, to get perfect fruit pinch back between Mr. Linn and Jack London. the vines about the first of July to for the great story writer thought two joints-in order to throw the he knew all about grape growing. tendency to backfire, as people are and he took great delight in the arts growth into the fruit. Another advantage, this will make he winter pruning much less. But Mr. Linn made a study of the Mr. Linn says that. while he set science, too, and he worked hard his grapes about like hops, deeper and he thinks he put it all over Jack holes are better. London in the quality and quantity He says that a grower here may of grapes grown. safely count on an average of three Mr. Linn says the grape land of the Sonoma valley district is like the itons to the acre. under the stumping system; a well tended trellised vine-Polk county hills, only rougher. yard will produce five tons to the He says the rough rocky land of acre, and a layered vineyard may he Willamette valley, with south bear 10 tons to the acre. slopes, to get the best advantage of The price should be at least \$100 the sunshine, is the best for grapes ton, in normal years. in the country around Salem. He says the jelly and jam plants His Own Vine and Fig Tree will need all that is grown or may be Mr. Linn's own vineyard is a fourgrown for a long time, hereabouts: acre patch of land that was formerly for grape jelly is a standard product. grown up to oak grubs and wild in demand everywhere. things of the woods. The Layering System He set out his grape vines in the The layering system is rather hard spring of 1915; Concords and Wordens, which he got from New York. to describe without a picture. But The Wordens are of the Concord the principle is the growing the year family; only larger and finer. He before of two or three vines about set his vines eight feet apart; set six feet long, from the parent stump; them like hop vines. then the covering of these vines with There are three ways to cultivate soil for about two feet, supporting grapes; the stump system, the trellis- the rest of the vines with stakes. The part of the vine under the soil grows ing system, and the layering system. The grower can produce more grapes rootlets and gets sustenance from to the acre with the layering system the soil to put growth into the than with either of the other two: grapes on the part of the vine exsome Hungarians and Germans in posed to the sunlight on the stake-Marion county are producing 10 tons and the result is a great crop.

SALEM MAY BECOME THE WESTFIELD OF OREGON

And the Country Surrounding This City May Become the Chautauqua Grape Belt of the Pacific Coast-This District Can Grow the Right Kind of Grapes

(By Jesse Huber)

pick one ton per day in a good vine-What use do I intend to make of the grapes when my vines shall be-The McPikes are as large as comgin bearing the tempting clusters?

That question should be decided The Eclipse is the earliest grape by the grower before the plants are Concord type, and very set. There are hundreds of variesweet; Unfortunately it makes a ties of grapes, each having some distinct use. There is no one varie-The Green Mountain is the earty that can be used for all the pur-

liest of all white grapes and very poses to which this delicious fruit good; but it was another grape 1 may be put. turned down as undesirable in my Here, in the Willamette valley, we

have favorable conditions for grow-But I am informed by grape speing successfully only a few of the cialists that it overbears when varieties of grapes.

Ours is a region in which the so-American grapes produce called well. Among these are the Concord, Campbell, Niagara and Worden.

The Concord is still the premier grape of this and other regions where the summer heat is insufficient to produce some of the more and successfully in the region of in some sections in New England.

Good Commercial Variety The Concord may be turned into several valuable commercial prod- tried in the Willamette valley. Inucts. It is a good table grape. It dividual vines are doing micely here is used extensively in manufacturing and there on the farms. A number jelly and grape juice. Probably \$5 of small vineyards near Salem are per cent of the commercial grape yielding heavily. juice on the market is extracted

are closely allied to the Concord and differ only in their period of ripen- place have been carrying forward

of the older eastern regions. If

planted extensively on our well drained, alluvial soils, they would produce a sufficient bulk of deli-

may be prepared for the market Travelers, returning from West-

field, New York, state that for a radius of 20 miles around that city the bottom land, level stretches and hillsides are covered with the prolific vines of the Concord grape, the fruit from which is nearly all sold to the manufacturer of the wellknown Weich grape juice located in that city.

Might not Salem become the Westfield on the Pacific coast, if the acreage of grapes were sufficiently extensive? Indications are that this possibility might be developed into a reality if serious consideration were given it.

Completion Is Limited

Many efforts nave been made to utilize the several varieties of grapes grown in California in the manufacture of grape juice. But the quality of the product is such that it has never met with the gendelicately flavored fruit. It is the eral favor accorded the sprightly variety that is grown extensively flavor of the drink extracted from the Concord grape. Competition the Great Lakes, in New York and from that source would, therefore, be negligible.

Not a New Industry Here

Grape culture is not new and un-

Several rather extensive plantings of grapes are found near Forest The Worden and Campbell grapes Grove and at Mount Angel. The Benedictine fathers at the latter grape culture under European meth-These three varieties can be ords of cultivation for a number of grown as successfully here as in any years with most encouraging results.

Best Soils for Grapes

The grape will grow on many kinds of soils, but, for best results, the conditions exacted by their best

from the Concord grape.

ing.

tem-described in this issue by Prof-



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If Mr. Ruble Had to Give Up the Growing of All Fruits But One, He Would Stick to Grapes-Some of the Advantages miles south of Salem. In the Liberty of Grape Growing

(D. R. Ruble, who lives across the it is no serious trouble if one will Willamette river from Salem, over | only do his part.

in Polk county, was asked for an I use dry sulphur once in the article on grape culture-and when bloom and about twice after the his reply arrived, promptly, the Saberry is formed. lem slogan editor was sure he had made no mistake in choosing grape growing as one of the 52 most important basic industries for Salem long and have a few culls by Christand the country surrounding this city. Following is the reply:) my grapes on the market in March

looked better than a gold mine. Grape Culture in the Willamette But I hesitate just now, for the idea seems to have somewhat of a (By D. R. Ruble, Salem, Ore.) not in the habit of buying many of viticulture. Fifty years ago I was in the pri-

So far, the demand for American

-W. G. BROWN,

Chief in Horticulture.

grapes in the state of Oregon has

been largely for the fresh grape.

ting a market for it.

GROWING IN OLD POLK

mary class of grape culture in Polk grapes after Christmas. county, Ore. Some grapes that did I have at this writing (April 25) well in those days have lost their the Agawam grapes in my fruit prestige owing mainly to mildew that house that have kept good and sound did not exist in those days. all winter, but some are wilted. I

I have been growing grapes for suppose people would think the the last 20 years as a side line, but goods too old to be good. But such now realize that it is a poor side is not the case with a tough skinned line but a very good main line. grape. If they were shipped to Cen-If I'was compelled to give up all tral America and sent back as new fruits but one for cultivation it goods, I doubt not but they would

would surely be the grape I would be in great demand. However, such hold to. But just why I am not grapes would be in demand in the growing grapes on a larger scale commenced its destructive work a few years ago, and about three years ago I got an idea from some one that the mildew could be con-

months of November and December is from the fact that the mildew at double the price at harvest time. Are Grapes Profitable to Raise? With the right kinds, the right location and proper man to back it trolled and I am now satisfied that up, it should be equal to any kind of



The Grape Does Not Receive the Attention It Deserves-Set Grapes Deep, Like Trees, and Cut Them Back Every Year, and Keep Suckers Broken Off

you were going to set a tree and use Editor Statesman: Replying to your request on grape the same methods. Put the top soil in the bottom in filling up. Another culture, will say that one of the thing perhaps more important is to most delicious fruits that grows does cut them back every year. For the not receive the attention that it de- first three years cut back to two or three buds. This will insure serves. thick, sturdy stocks after which There are few localities in this

more buds can be left to produce world that it does not thrive. Being fruit. a deep rooted plant, if given a fair Unlike other fruits, the grape pro-

chance to make a start, it will pay duces fruit on growing wood. Apwell. In this section of the United ples, pears, cherries, etc., form their States it has not been grown exten- fruit spurs and buds the year besively enough to give real data as fore fruiting, but not so the grape. to its possibilities. I have only and unless it is cut back to a few about one-twentieth of an acre. The buds, there will be too many bunchprice I sold them at to the Phez es formed and the fruit will be company (5 cents per pound), would small and inferior, or there will be would have brought me, had I an no fruit at all. Soon after a grape acre, over \$700. No doubt this is bud starts to grow generally two much more than one could count bunches start at the same time; soon the vine is several inches long on year by year. I am somewhat partial to the and more bunches set, and often a Concord grape, as it is one of the third set of bunches appear and as best commercial varieties. the vine grows longer suckers will

form and grapes will form on them, ing Salem. However, there are lots of varieties to suit all tastes. One very essential thing to re-

STATE OF OREGON RAISES all for SOME VERY GOOD GRAPES

Howard Zinser, Horticulturist at the Oregon State Hospital (Asylum for the Insane), Writes Very Instructively and Entertainingly of His Methods-Good Yields, Too

(The following by Mr. Zinser, hor- | The European varieties so widely iculturist of the Oregon State Hos- grown in California do not do well pital (asylum for the insane), is this far north, so we can only deal commended to the readers of The with those more hardy varieties na-Statesman as a very well considered tive to America. I have been parand written article on grape culture ticularly interested to note the safety with which these varieties have for this district:) withstood the freeze of last winter.

Some Grape Growing Experiences Perhaps there is no place outside There seems to be very little injury. of the famous grape growing sec- which is another point in favor of tion of New York, which holds such viticulture in this locality, viz, hardipossibilities for the culture of the ness The varieties proving very suc-American varieties of grapes as does the country immediately surround- cessful at the Oregon State Hospital mearing wood, Snipping back to for the past few years are: Moore's

The climate, soil, conditions and Early, Worden, White Niagara, Con- leaf surface and inhabits the power suckers off to give the bunches market all combine to form an al- cord and one red variety the name to manufacture starches and sugars nost ideal situationers

cious, vinous fruit to form the basis of a new industry. Grape Juice Is Popular

making

fective.

the market ploblem.

Dusting with sulphur two or three

times during the season will effec-

this system, here at the hospital.

tions. Either the single or double

method may be employed, that is a

not too much.

fruitage must be fairly met if the Grape juice is now an established

highest success is expected. Generally speaking, soils of a commodity. With the Concord vines porous or sandy nature have the proper texture. If the necessary

burdened, each autumn, with enticelements of fertility are not present ing clusters, there is no reason why it should not be planted sufficiently these should be supplied by enrichextensive to supply the grapes for ing the soil by the usual methods a pressing and bottling plant in Sa- recommended for any of the other lem in which this delicious beverage fruit bearing vines or trees,

and the Sweetwater have been ob- ropean varieties with the result that served to be very good yielders. The the herries were tasteless and hard preference for any one of these vari- and unfit for consumption.

eties for table purposes is of course We assume that this practice, personal one, but experience has therefore, is not wise. I am told, shown that the Niagara is a favorite however, that the Campbell's Early and the Worden is also in ivery and Sweetwater will stand this pracmuch demand. Both of these are tice with greater success than other much sweeter than the Concord, varieties.

which excels for juice and preserve Yields attained here at the hospital have been very satisfactory. The limiting factor in the produc-Last year on 2.9 acres we produced tion of grapes in the past has been an aggregate of 20,380 pounds. At

the prevailing market price of 5 The advent of the juice and precents per pound this yields a gross serving plants in this community return of \$1019. Mr. C. Lanke reshould now create a demand and, ports a return of \$300 on three rows take care of all production. Diseases of Sweetwaters about 1250 feet long. which may be limiting factors in These yields show a very interesting posibility with reference to other sections are not so prevalent here, and the only one of any serconsiderable acreage and prove the ious nature is mildew. We have value of the grape as an addition to not been materially afflicted with the list of successful Truits, nuts this pest at the hospital, but it seems and berries perculiarly-adapted to to be in evidence in other vineyards. this valley of the Willamette.

-F. Howard Zinser.



European varieties. We practice the Gehlhar's Contention Con-Kniffin system or modifications of cerns \$50,000 Annually; Pruning must be done during the winter or very early in the spring **Case May Go to Court** to avoid unnecessary bleeding due

to wounds made after the sap has An estimated \$50,000 a year for started to flow. Do not begin pruning, however, before the vine is enthe irreducible school fund of the tirely dormant in the fall. Decemstate is involved in a question which ber is a good time to start if it is a District Attorney Max Gehlhar of mild winter. The Kniffin system Marion county has placed before the consists in allowing one arm of last state land board and which the board season's growth to be trained along now has under advisement. the trellis wire in opposite direc-

Mr. Gehlhar informs the that since a royalty payment of 10 cents a cubic yard in being asses by the tate against dredging opa-cerns taking saud and gravel from the Willamette river for use on coun-Two to four buds are left at the ty highways the dredging companies uncture of stem and new atm for are off-setting the charge by raising

the price of their service to the coun-Grapes are borne on this year's ty by 10 cents a yard. His contenwood, and it is essential that enough tion is that the companies are really of this wood be produced and still agents for the county and that under the act of 1919 providing for the

The tendency of most growers royalty payments they should be exwho have a few vines for home con- empt from the royalty charge, since the law provides that counties are sumption seems to be to leave too not required to pay the royalty. many arms which develops an ex-

The board's contention is that this cessive amount of wood, sapping the applies only in cases where the counlife of the vine and producing a poor ties are owners of the plants. quality of grape. Experiments car-

The extra cost to Marion county ried out here at the hospital have under the board's interpretation of proven that it is not policy to anip the act will be about \$5000 this year. back too heavily the shoot growth All counties on the Willamette river, through the summer, but allow plenmany of those on the Columbia and ty of leaf surface to develop on the some in other parts of the state are arms used for this year's supply of affected

Whether the question will be taken any excessive degree reduces the into court is problematical.

> But we do not understand that Sir Oliver Lodge pretends to be able

pair of arms on the upper wire or a pair on both upper and lower wires. depending on the vigor of the vines. the renewal arms of next year.

