# This Week's Slogan:

#### Apple District of the Old Oregon Country

AND BETTER APPLES

In 1853, four bushels of Oregon apples were sold in San Francisco for \$500. The next year, 40 bushels sold for \$2500. In 1861 we shipped from this state to that market 75,000 bushels; and this state in that respect then meant virtually the Salem district. The pioneer orchards were planted here. The Aurora colony in 1872 had the largest and best orchards

farmer chief executive of the and control. United States, is no better or more hard working farmer than thousands of land owners in this state, but he has a small red delicious apple orchard on his farm out on route 2, Polk county, about 10 minutes by auto from the capitol. And he has no other crop among many on his farm that pays him better; perhaps none that pays him as well.

Governor Patterson was duck hunting Friday when the Slogan man tried to interview him. But Ed Schunke, of the Roth Grocery company, who always handles the governor's delicious apple crop, was available. He said the crop

And the strictly choice ones Hartman. were all sold before they were defivered, at \$4.25 a box. Some 40 bushels were sold to A. N. Bush, Salem banker, for Christmas presents for his friends in various parts of the United States-to show them what Oregon can do when she has the proper opportunity in growing the best apples

A Mark to Shoot At That is a mark to shoot at. That is the kind of apples our growers should produce. They should grow more and better apples-more and still more of them, and better and

Ed Biehn, a good judge of apples, who was long in Salem and is now in Portland, has told the vored apples in the world, and her only fault in this respect is that she does not produce enough of them.

He has suggested that we this: "It's the flavor." (No charge for the suggestion; it is not copyrighted.)

As Salem grows, he has said, the city itself will take more and more of the best apples; does take many car loads annually from Hood River and Yakima and Wenatchee. Mr. Biehn has suggested that we may ride into favor, and remain there, on his suggested slogan; by living up to it. We Use Many Culls

We are annually using many cull apples in Salem. Our canneries take them, from all the apple growing sections of the northwest. One of our canneries, the Northwest, is still running on apples, and will be for about two weeks

yet. Getting them from Corvallis, Newberg, Hood River and This will be the next to the last

season. The last one will be the Paulus plant, which is still going on carrots, and will be for about three weeks; longer, if the carrots can be had. Growers should know that they are still buying carrots, and want more, and more. The Stolz vinegar facory in Sa-

lem, the biggest and best in the northwest, uses many cull apples, from all over the valley, besides taking the peelings from the canneries. They would have taken more this year had they been available. They have a storage capacity for 900,000 gallons of vinegar, and they work on a schedule of two years in advance, else they would be out of vinegar before the next harvest, because of an apple. shortage this year. We had about an 80 per cent crop. Not Enough Apples

So it will be seen that we do not grow enough apples. We need more. Our dryers could use more. We have two or three cider factories, and they do not get enough. It is strange that the pioneer apple district is falling down. Of course, in pioneer days, there were no apple pests. Not one. But our farmers can fight pests and still make money on apples. Wit-

If our farmers will grow enough apples for the fancy and shipping trade, there will be plenty of culls for the vinegar and cider factories and the canneries and dryers. And these latter will help to make fancy apple growing profitable. It is a great advantage to have a mar- lection for the fourth kind. He

ket for the culls. our farmers are overlooking. No and will always be. Our growers one can beat the Salem district will be recreant to their trust as on either the red delicious, or the the inheritors of ploneer tradigolden or Stark's delicious. Prof. tions if they neglect this branch C. I. Lewis used to advocate only of our great fruit industry; will four varieties, the Grimes golden, fail to fully live up to their oppor-Newton and Ortley, with some tunities.

# SHOULD GROW MORE | Curing Alternate Bearing Of Apple and Pear Trees Considered by College Man

We Have a Pioneer Great Experiments Show There Are Several Points to Be Considered; the Varieties of Apples that Tend to Be Immune From the Fault

Pruning, performed during the

ered a material aid in the elimin-

it contributes to the general vigor

of the tree. Pruning done during

the growing season has been found

ineffective in the control of alter-

Thinning of the fruit, espe-

cially in heavy crop years, is

crop, the cumulative effects of

year after year tends to increase

bring about a more satisfactory

carbon-nitrogen balance, believes

Alternate bearing of orchards,

easily prevented than cured. It is

far less difficult, says Professor

Hartman, to maintain an orchard

in annual production by a system-

atic program of soil maintenance,

pruning and thinning, than it is

to bring trees that have acquired

the habit of alternate bearing

Some varieties of apples, how-

Spitzenberg, are inclined to alter-

nate bearing, while Rome Beauty,

Winesap, Ortley and Jonathan are

far less susceptible, according to

is 360 million bushels less. The

Professor Hartman.

bringing them back.

Professor Hartman.

sulting in more milk.

John C. Burtner, associate applications of nitrogen by themdirector of the college news serv- selves have not always solved the ice of the Oregon State Agriculproblem of altegnate bearing." tural college, furnished the following for this annual apple Slo- dormant season, is also considgan issue of The Statesman:

Alternate bearing of apples and ation of alternate bearing. It afpears-a tendency or habit of fects the situation in several ways, trees to bear heavy crops on al- according to Professor Hartman. ternate years—has long been a serious problem in western Ore- orable carbon-nitrogen balance by will take apples at almost their gon fruit centers. It was formerly decreasing the supply of carbohyweight in California gold dust. attributed to natural causes, but drates and thus increasing the pro-Those good old days are gone, a great deal of research and in- portion of nitrogen. It also brings perhaps forever. But listen to this vestigation during recent years about a better distribution of the one: Governor I. L. Patterson, has brought to light considerable sunlight over the foliage, and though he is the one real dirt information regarding its causes hence increases food synthesis,

At the present, says Henry dividual fruits in heavy crop years Hartman, horticulturist of the Oregon State Agricultural college experiment station, alternate bearing is regarded as a nutrition problem, with available nitrogen as nate bearing. the prime factor. Studies have shown a definite correleation betweent the tendency to alternate thought to have some influence on bearing and a deficiency of available nitrogen.

The theory—and it has been borne out by field observationsis that in years of heavy production the supply of available nitrogen is used up largely by the blossoms and fruit, and the tree is unable to set fertile buds for the this year was about 400 boxes- next year's crops, says Professor

The problem, therefore, is to maintain the carbon-nitrogen supply in a way that will enable the tree to mature a crop of fruit, and at the same time supply its fruit spurs with sufficient nourishment. While this seems to be the major factor in the control of alternate? bearing, all orchard practices which tend to promote general vigor of the trees are valuable in this connection. Several Points of Problem

While the supply of soil nitrogen is extremely important, as eventually all nitrogen utilized by apple and pear trees must come from the soil, it is not, points out Professor Hartman, the only factor involved in the maintenance Slogan man many times that the of a favorable carbon-nitrogen Salem district grows the best fla-balance. He says, in this connec-

"Nitrogen as it comes from the soil is only a raw product. It cannot be utilized as food until synshould have an apple slogan, like the plant's ability to synthesize thesized by the plant itself, and raw products depends upon several factors, such as sunlight, leaf surface, temperature, and moisture. It is possible, therefore, for plants to experience nitrogen deficiency even though nitrogen is abundant in the soil. This apparently accounts for the fact that

OREGON STATE COLLEGE, Corvallis, Nov. 21 .- A stab in the heart is generally considered equivalent to a call for the coroner. but not so in the bovine world. A cannery here to shut down for the valuable dairy cow in the college herd has just been operated on successfully for removal of a piece of wire that had worked through the stomach and penetrated the heart itself.

> The animal was observed to lose appetite and become what is and then to show symptoms of portunitiesheart disturbance. Diagnosing the trouble, the college veterinary staff operated through the stomach and took out a six-inch length of baling wire, one end of which had worked through the stomach wall and into the heart muscle.

"This operation is not new though it is a fairly recent development in veterinary science." exit is being done by the modern veterinarian, and hence lose valuable animals that could be

"A cow is such a voracious eat er that it is not uncommon at all for her to eat nails, pieces of wire or other Mard substances carelessstrain, such as calving, work through the stomach walls. Unless relief is given soon the animal

will die. About 90 per cent of the cases, taken in time, however, are being saved."

other favorite-with a wide sewas a good apple man.

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## NEW PROFITABLE CROP FOR OREGON

More and Better Apples

Should Be a Slogan Here

Jerusalem Artichokes Loom As Possible Line for Men on Land

Corvallis, Nov. 20 .- Jerusalem

Ernest H. Wiegand, head of the section of norticultural products efit. at the Oregon Experiment station, has obtained a month leave of ab-Santa Rosa and assist there in further development of manufacturing processes with their artichoke products. He will be there until late in December. and by reducing the number of in-

The Pabst Dietary Products company, which is a subsidiary of the large parent concern at Milwaukee, Wis., is putting on the market food products made from artichokes for use by persons afflicted with diabetes. This species of artichokes is rich in both insulin and levulose sugar, a form of sugar usable by diabetics.

alternate bearing. While the thinning of one year's crop does not various sections of Oregon this materially affect the succeeding year, through cooperation of the Oregon Extension service, farmsystematic and regular thinning ers being guaranteed \$15 a ton for all produced on these plantthe vigor of the trees, and thus ings. Harvesting has been completed on some and is under way n others, with yields as high as like many other things, is more

Plantings in the Hermiston disinformed, and have proved entire-Tentative plans have already been made to increase the acreage to 300 in that district. If this is done, a processing plant in Oregon will back to normal. And the profits be necessary and will possibly be located in Portland.

of several years may be lost in Products now made from the ever, are much more inclined to flakes and a combination soup ation. alternate bearing than others, says stock. Professor Wiegand, recog-Professor Hartman. For instance, nized as an authority on food the Baldwin apple of the east is manufacture, will assist in perso well established as an alternate fecting methods for processing bearer that the even years in that and packing the artichokes.

# In the western states, Yellow Newton, and to a less extent,

OREGON STATE COLLEGE, Provision of some succulent feed, such as silage or root crops Corvallis, Nov. 12.—Another step for the dairy herd during the win- in making this state a leader in ter is desirable, especially if le- turkey production is seen with the other known variety of filbert. gume hays are not available, says announcement of a federal turkey grading school to be held in the Oregon Experiment station. this state at Roseburg, November bert and your list will be a des-Such feeds are palatable and 29 and 30. The project is to be cause the cow to eat more feed, recarried out cooperatively by the federal bureau of agricultural economics, the college extension serv-The estimated world crop of wheat is 500 million bushels less operative Turkey growers. ice, and the Douglas County Cothan last year, and the total sup-

T. W. Heitz, of Washington, D. ply after allowing for carryover C., is in charge of the instructional work which is intended to bureau of agricultural economics qualify men as licensed graders estimates that the world market for this state if the federal-state for the season will average \$5 to inspection is established, which 40 cents above the average last permits federal grading at shipping points.

The University of North Caro-All Statesman carriers are little lina has a new library which cost merchants. They are charged for all papers delivered by them.

# More and Better Apples

Our farmers, in the historic apple district of pioneer days, when our apples were worth almost their weight in Caliknown as a chronic "light eater" fornia gold dust, are not living up to their traditions or op-They are not even growing enough culls for our vinegar

and cider factories, dryers and canneries, to say nothing of supplying our own fancy trade with high priced apples; the possible best flavored and best colored apples grown in any Wanted, more and more and better and better apples.

Make this a slogan. Say, make it "more and better apples."

If they will grow more and better apples, there will be plained Dr. B. T. Simms, head of plenty of culls for the vinegar and cider makers and the canthe department here. "Most dairy-men, however, are unaware that ucts, make a valuable and essential contribution to the growing of fruit for the fancy trade.

People have always and will always want apples. They are age old. A good apple, like the proverbial good wine, "needs no bush." They advertise themselves. "An apple a day keeps the doctor away." There is no substitute for good apple pie, and there will never be.

or other Mard substances carelessly allowed to get in her feed," he
continued. "These stay in the
stomach sometimes for months and then under some unusal the box; not because he is governor, but because he grows good apples.

# Oregon Pulp and Paper Company

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#### **National Nut News Writer** Gives Brixnut High Praise In October Issue of Paper

Part of the Comment of an Outstanding Authority on This Nut That Is Being Exploited Extensively at Present Time

News, Chicago, under the heading, to bear. The nuts are well filled OREGON STATE COLLEGE, Hazelnut," writes the following: which adheres to the kernel in so artichokes as a new and profitable the shores of the mighty Pacific. The kernels are exceptionally rich crop for Oregon appeared as a lies nestled a fertile valley. How in flavor. Dr. Robert T. Morris, ucated hazelnut" in their anprobability here this week with beautiful it looks and peaceful! the well known nut expert and auword from the Pabst Dietary Pro- Here nature has prepared with a thor, of New York, says of the ducts company plant in California lavish hand a soil and climate Brixnut: that tests of Oregon grown tubers found possibly in no other place, to date have proved satisfactory. a place to produce in perfection cellence of a hazel like the Brixcertain things for mankind's ben-

has been patiently laboring. He sence at the request of the Pabst is fired with a desire to improve company to go to their plant in certain varieties, of nuts. So for escaping the unfavorable weather grafting, selecting, discarding, and a complete crop failure, No varforth promise of better things. He is seeking the ideal of perfection itself-it must be that ere his labor ceases.

"At last the toil of years is rewarded with perfection itself. The weariness of years is dropped like mantle in the dust as his eyes behold the perfect tree—that which man has been striving for, for hundreds of years. His dream is fulfilled and society is enriched Test plantings were made in by this man's unselfish labor.

"Dotted here and there, sometimes on the low foothills and again on the floor of the valley, we see small proves of nut trees, dark green in the foliage and shiny, young groves that are just coming into bearing.

"Coming nearer to observe the trees more closely we are struck with the unusual size of the nuts. Never before have we beheld nuts trict were the first harvested and of such size, and, holding two in analyzed, Professor Wiegand was our palm, we are amazed with the ease with which they can be ly satisfactory to the company. eracked, and, popping one into our mouth, we are delighted with the rich nut flavor. "This is, in short, a brief sketch

of how the wonder filbert was propogated. Mr. C. T. Brixey of McMinnville, Oregon, is the man to whom the honor belongs of givartichokes are dried flakes, fried ing us this wonderful new nut cre-"It's shell is slightly thinner

than most other varieties and is also softer and easier to crack. The weight ratio of meat to shell is greater in the Brixnut than most any other variety. "It is self husking. This is a very important item, since no ma-

will take off the husks of filberts

without breaking the shells. "During the 12 years that this nut has been under observation it has never missed a crop of nuts and no crop has ever contained more than one per cent of blanks. "We believe the Brixnut has more desirable qualities than any Make a list of the fine qualities you would like to have in a filcription of the Brixnut. The trees

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Harry T. Larsen, in the Octo- commence bearing much earlier in ber issue of the National Nut life than they should be allowed "The Story of the Brixnut; the Fil- and a very noticeable feature is bert Nut Supreme-the Educated the absence of brown pellicle, "Far out in the west, close to many other varieties of filberts.

> " 'The food value and general exnut should make it notable in every market in the world."

"It is a late blooming variety. pollinating during February and years he labors, planting, pruning, of January, and has never known planting again that which holds jety known in the United States has a more vigorous tree growth. "In order to obtain a maximum crop at all times, the variety

> des Halles) is interplanted with the Brixnut. "Somewhere ground 25,000 trees have been planted in the last eight years and a very lively

known as Hall's Giant' (Geantes

Brixnut club has been organized

which is known as the 'Pacific

Coast Brixnut association. "This nut has proven exceptionally popular wherever offered and has met with instant success wherever offered to the retail

'It is destined to become one of the dominating factors in the filbert trade, and the writer predicts that in a few years is will be he leading variety produced.

"From the very favorable report of last year, the Brixnut growers are anticipating a greatly increased consumption of their product."

Extensive Advertising

The West Coast Fruit company. 350 Alder street, Portland, is advertising in the National Nut News a limited quantity of Brixnut trees-"first time offered in the east." They call it "Oregon's ednouncement, and use the trade mark of the Pacific Coast Brixnut association.

C. T. Brixey, originator of the Brixnut, is now a resident of Salem, and he has farming interests in Marion county, including the growing of the Brixnut. A vigorous campaign has been carried on lately, in selling Brixnut trees in the Salem district. and also in the upper end of the

Willamette valley. High Authority Talks A man considered by the Slogan editor of The Statesman as one of the highest authorities in his or any country on the various phases of the filbert industry, has the following to say, confidentialy, among other things, about the

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Radio Headquarters, 189 S. High
Al's Super Service, 394 N. Church
Eoff Electric, 337 Court
Marion Garage, 235 S. Com'l
General oMtor Shop, 1610 N. Com'l
Fireproof S. orage Garage, 252 S. Liberty
Mike Panek, 325 N. High
Teurist Service Station, 494 S. Wirter
Halladay Garage, Monmouth
Hubbard Garage Co., Hubbard
Stoner Carage, Aurera
Groth Electric, Independence
L. B. George, Portland Road
Marple Park Garage, Woodburn
Checkerboard Service Station, Gervais
Brockside Garage, Frocks
George Herschbach, R. 3, R. 69
Richreall Garage, Fickreall
W. Howard Ramp, Brocks
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Hollywood Gasge, 1999 M. Cap.
Parker Tire Co., 384 N. High
Twin Cedar Service Station, near Woodburn.

