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Brick building tile, drawn tile  
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A call today may save needless pain and suffering in the future.

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Manufacturers of High Grade Wrapping Papers and Paper Specialties

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Dealers in Milk and Cream  
Wholesale and Retail  
Phone 725, Salem, Oregon

**OUR TREES**  
Carefully Grown Carefully Selected Carefully Packed  
Will Give Satisfaction to the Planter  
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Additional Salesmen Wanted.

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**"SIBLOCO" Pipeless Furnaces \$79.60**  
And Up  
Send for circular  
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Makers of Peerless Bread  
9c-13c  
Try Our Doughnuts 20c  
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Cooperative Creamery  
137 S. Com'l St. Phone 299  
Our Idea: The Best Only  
Our Method: Co-operation

**W. T. Rigdon & Son**  
Progressive  
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Leading Funeral Directors  
Expert Embalmer  
Cor. Court and High Sts.  
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**DRAGER FRUIT CO.**  
Dried Fruit Packers  
221 S. High St., Salem, Or.  
Always in the market for dried fruits of all kinds

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Sawmill and Logging Repairs, Hop and Fruit Stoves, Castings of all kinds  
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## OPERATION OF THE INCUBATOR GIVEN

All Incubators Will Function, Some Will Do the Work Better Than Others

People who still maintain their flocks by doing their own incubation and brooding are not nearly so numerous as they were before commercial hatching assumed the importance of an industry; still there are those who buy and operate incubators, particularly in the case of fanciers and people who are breeding for "points," hence demand on accurate record of their blood lines. In addition to these, however, there are people situated away from poultry centers, who still do their own hatching, and since the season for incubating eggs is close at hand, the subject is not without interest, especially to beginners.

At this time and date it is quite safe to say that all makes of incubators will function; some, of course, better than others, and it makes little difference whether it be a hot-water or a hot-air machine. And since each manufacturer is presumed to know the behavior of his machine, it is almost mandatory that the printed instructions be followed to the very letter. Observing this, it should be borne in mind that no machine will hatch infertile eggs, nor "bring out" robust chicks from weak fertility. Obviously, the essentials to a good hatch are strong, fertile eggs from a virile and productive strain of fowls. They should be of uniform size, symmetrical in shape, even color, and good shell. The sooner such eggs are placed in the incubator after being laid and candied for proper consistency the better.

In placing an incubator choose a dry, well-ventilated situation, free from draughts, and sudden changes of temperature; see that the machine sits perfectly level, and that the heat is steadily and evenly distributed throughout the egg chamber. A good plan is to set up and operate it for a couple of days so that it will be running properly with an even temperature. Also test your thermometer; it should register about 103 degrees. By following the printed instructions, the matter of moisture and ventilation will be solved. For the first week the temperature in the machine should be 102 degrees; the second, 103; when the thermometer bulb rests on a level with the tops of the eggs. After thirty-six hours the eggs should be turned at least twice a day, morning and evening, until the nineteenth day, when they should be allowed to remain undisturbed. In addition to turning, the eggs should be thoroughly cooled from the seventh to the nineteenth day. Eggs must also be "tested out," first on the sixth day, and again on the fifteenth, though some advocate three testings, viz., on the fifth, tenth and fifteenth days. All infertile, weak and dead-germ eggs should be removed. After hatching, which usually happens on the twenty-first day, the chicks should be allowed to remain in the incubator until thoroughly dried off, when they may be removed to the brooder ready at hand for their reception.

The modern incubator is operated either with oil burners, gas or electricity. If by the first mentioned, care must be exercised in the use of a high quality of illuminating oil; the lamp must be filled daily and kept trimmed and cleaned down to the minute; with gas, see that the pressure is even and that the flame burns clear and even; with electricity (which we regard as the ideal heat) there is less risk and anxiety than with either of the other two. The small, modern incubators operated by electricity have proven their capabilities, and given general satisfaction wherever used.

## FRUIT OUTLOOK IS VERY BRIGHT NOW

This Applies to Both Crop Prospects and the Marketing Indications

The prospect of the orchard fruits is generally very favorable, according to a report just issued by the United States department of agriculture. Some injury to fruit buds in southern Wisconsin has resulted from heavy ice coating following mild weather. Some fruit blossoms are reported in Mississippi and Tennessee, and almond trees are beginning to bloom in California. C. I. Lewis, assistant general manager of the Oregon Growers Cooperative association, reports that peaches

and plums were in blossom in southern Tennessee and Alabama on February 22.

Mr. Lewis stated that there is considerable feeling among the inland peach growers that the crop has met with quite extensive damage from the cold weather of this winter, he says: "The late spring is very beneficial for all early blooming fruits, as it retards the blooming until the weather is more settled."

**An Optimistic Outlook**  
"Business is improving and they are very optimistic in the east regarding the present outlook," says Mr. Lewis. He has just returned from an extended trip in the south and east. He has had a splendid opportunity to thoroughly analyze the situation, as he visited the principal cities in practically all the eastern as well as the southern states. The stocks are very low in practically all lines of dried and canned goods, he said, and, with the shelves of the dealers becoming depleted, there is every prospect that there will be a scarcity in these goods early in the season.

## THE MANCHURIAN WALNUT A MENACE

Senator McNary Will Have the Matter Investigated for Our Protection

Following is a news bulletin of Monday, issued by the Oregon Growers Cooperative association: The Oregon Growers Cooperative association has requested, through Senator Charles L. McNary, the investigation of the Manchurian walnut industry by the United States department of agriculture. It is believed that a man detailed to study the actual conditions of the walnut production in Manchuria will lead to a better knowledge of means to safeguard the Oregon walnut industry from this ever increasing competition. Although the quality of the Manchurian nut is far inferior to our own product, yet by bleaching the nuts can be made to appear and compare very favorably with the Oregon nut. There is reason to believe that our walnut industry is facing a crisis, if no steps are taken to preserve it.

The investigations of Mr. Pailthorp will mean much to this industry. Through the efforts of Mr. Lewis and Senator McNary the broccoli growers can congratulate themselves on having such a capable man at their disposal.

## GUINEA FOWLS AS POLICEMEN GOOD

They Give Valuable Aid in Keeping Marauders Away From the Farm Flocks

There has lately been interest manifested in the Salem district concerning the value of guinea fowls on the farms in connection with other farm flocks. The following note in a farm paper from F. W. Hawes of Maricopa, Cal., telling of its value as a guardian against marauders in the poultry yard will prove of interest and value to many readers:

"Where one has free range for fowls I believe that the guinea is indispensable as a protector. One need have no fear of hawks where a few guineas are running at large. In the first place their continual cry will frighten away the hawks, but should one become brave enough to attempt the theft of a chicken he will be met in the air by Mr. Guinea. "I can remember a time when it was the general belief that if guineas were allowed their freedom they would deposit their eggs in some obscure place; but this is a mistake. The guinea hen lays regularly and neatly always in the forenoon. If one will pay attention, he will hear her making a very peculiar noise, different from her regular cry, while she is on the nest, therefore it becomes a simple matter to locate the nest. "As to the quality of eggs. It is true, they are much smaller than the average hen's egg, but one will find that the shells are so full that when the egg is broken it compares quite favorably with an average egg, and as table fowl I contend they are superior. Then again, a guinea egg will keep fresh much longer. I have found guinea hens good sitters and good mothers. The nest must be undisturbed, as she is of a shy nature and cannot be handled like other fowl. A flock of little guineas is about the cutest thing one can imagine. The little fellows greatly resemble young quail, and are very similar in their habits. A peculiar thing about them is that their first feathers are brown very much like those of the Brown Leghorn, but when they are about six or eight weeks old, these brown feathers are replaced by speckled ones."

## INVESTIGATIONS WILL MEAN MUCH

Mr. Pailthorp Will Materially Aid the Developing Broccoli Industry Here

A new bulletin just issued by the Oregon Growers Cooperative association has the following concerning the visit of Mr. Pailthorp, mentioned in The Statesman on his arrival last week: R. R. Pailthorp of the bureau of markets, United States department of agriculture, is to investigate the broccoli situation in the Willamette valley and in Southern Oregon. Mr. Pailthorp is recognized as an authority on marketing and has established a national reputation in packing and storage investigations. He is here to work out the problems of marketing broccoli with the occurrence of yellowing the jackets surrounding the curd, which has met with much disfavor in the eastern markets. Whether this discoloration is due to improper ventilation, inadequate icing, unsuitable methods of harvesting and packing or variety of plants, is unknown and will be some of the angles of the problem to be taken up. Investigations will not be limited only to these districts but men will be detailed to go with shipments, studying the conditions surrounding the broccoli in transit and at the unloading points. Mr. C. I. Lewis, assistant general manager of the Oregon Growers Cooperative association, while in the east, inspected car lots of spinach, lettuce and California cauliflower and states that these products showed great improvement because of new methods of shipping. "Jobbers in the large markets are very enthusiastic over the marked change in this line," Mr. Lewis said. The investigations of Mr. Pailthorp will mean much to this industry. Through the efforts of Mr. Lewis and Senator McNary the broccoli growers can congratulate themselves on having such a capable man at their disposal.

## STAYTON NEWS

STALTON, Or., March 15.—Mrs. Rees, wife of Rev. C. B. Rees, pastor of the Methodist Episcopal church at this place, is slowly recovering from a serious illness.

Byron Denny and his entire family are confined to their beds. Bud Fresh was called in from his farm home near Shaw Monday and is caring for his brother, Ben Fresh and an aunt, Mrs. M. Eisenhart, who are both seriously ill at the Eisenhart home.

Mrs. Frank Mack left Monday for her home in Lincoln county. Mrs. Mack was here assisting the Forrest Mack family during their recent illness.

Mrs. Peter Diedrich has as her house guest this week Miss Celia Brigham from Idaho, who is spending a few months in this section. Mrs. C. A. Luthy took the afternoon stage for Salem Tuesday where she was house-hunting. The Luthy family will move to Salem as soon as a home can be arranged there.

Dr. W. N. Pintler is one of the music lovers of Stayton who has procured tickets to hear Mary Garden in grand opera in Portland next week. Miles Kintz, a prominent man of Sublimity, has been awarded the contract for carrying the mail on the West Stayton, Stayton and Sublimity route. Several bids were submitted, with Mr. Kintz making the lowest bid.

J. A. Hendershott, proprietor of the Gem confectionery store, left Tuesday for Salem. From there he expected to go on to Portland on a few days' business trip. Hugh Grace, who has planned to move his family to Salem in the near future, made a trip to that city Tuesday in search of a location.

Fred Pepperling, a resident of this city, passed away at his home here Tuesday morning after an illness of several weeks from pneumonia. The Pepperling family moved here about the first of the year from Jordan. He leaves a wife and several children.

W. H. Hobson, one of the early settlers of Stayton and a pioneer member of the I. O. F. and Rebekah lodges, was given a birthday party Tuesday evening last in the lodge rooms by the members of the two orders. It being the regular meeting night of the Rebekahs, Mr. Hobson was ignorant of the fact that anything special was to be done in his honor until birthday cakes and congratulations began to shower upon him. After the shock of the surprise subsided Mr. Hobson responded in his usual dignified manner.

Adoption Law Interpreted for Child Welfare Board  
In an opinion to the child welfare commission Attorney General Van Winkle holds that proceedings for the adoption of children in Oregon are invalid unless the commission has been served with a copy of the petition for adoption, and also a statement containing the full names and permanent address of the petitioners. Further it is required that the commission be given 20 days from the date of filing of the petition in which it may file, for consideration of the judge before whom the petition for adoption is pending, such information regarding the status of the child and evidence as to the suitability of the proposed foster home as the child welfare commission shall desire to submit.

**OILED WRAPPERS TO BE TRIED OUT**  
An Expert Will Be in the Medford District During Apple Shipping Time  
Following is a news bulletin issued on Monday from the office of the Oregon Growers Cooperative association: An expert has been assigned to Medford by the United States department of agriculture to investigate the value of oiled wrappers for pears and Newton apples, according to a report received from Senator Charles L. McNary by the Oregon Growers Cooperative association. C. I. Lewis, assistant general manager of the Oregon Growers Cooperative association, while at Washington, requested that the government support an investigation of these two problems and through the cooperation of Senator McNary steps are now being taken to overcome some of the difficulties that have confronted the growers for several years.

**THE WHITE EGGS AND BROWN EGGS**  
Most Markets Favor the White, But Boston Pays Premium for the Brown  
Although the color of an egg-shell is no indication of the chemical composition of its content, people in different cities and in different parts of the country have rather decided preferences for either white or brown eggs. The wise producer considers the likes and dislikes of his prospective customers, even though they may be based on a mistaken notion. A brown egg is just as nutritious as a white egg, and a white one is just as full of meat as a brown one. If a person's color or idiosyncrasy is satisfied, however, he may get a little more good out of the egg he eats. The color of the egg is largely, or almost entirely, dependent upon the breed of the bird that laid it. In general, the American breeds—Plymouth Rocks, Rhode Island Reds and Wyandottes—lay brown eggs. As all these breeds have red ear lobes, it may be said that red lobes mean brown eggs. The brown egg is popular in New

England, and brings a premium on the Boston and Providence markets. Although the content of the egg is the same as that of a white one, there is a difference in the covering. The shells of the brown eggs are harder, and the skin just underneath the shell is tougher. In hatching, the chicks have a little harder work getting out than those that happen to develop in shells of lighter hue. In New York the white egg brings a premium of 7 to 10 cents a dozen at some seasons, but it is probable that the New Yorker gets no more nourishment nor enjoyment out of his breakfast than the Bostonian, who pays a similar premium for brown eggs. Owners of poultry farms serving the metropolitan area are well aware of this preference and as a result keep fowls, mostly Leghorns, that produce white eggs. The white egg breeds, in addition to the Leghorns, are the Black Spanish, the Minorca and all the Mediterranean breeds. All of these breeds have white ear lobes. In Philadelphia, the preference is largely for white eggs and this market draws largely from the same territory as New York for its highest grade eggs. Chicago gets large eggs from all parts of the Middle West that are sorted and graded by those who pack them. There is no pronounced preference in that city. The Pacific coast prefers white eggs, and the large poultry plants keep Leghorns.

**LOANS MADE BY COMMISSION**  
Twenty-Five Applicants Under State Aid Act Accommodated Yesterday  
**VETERANS ARE ADVISED**  
Proper Appearance of Property Necessary When Appraisals Are Made  
Twenty-five loans to ex-service men of the state were made at a meeting of the state bonus and loan commission yesterday, the first batch of loans to be acted upon to this extent by the commission. The aggregate amount of the loans is approximately \$65,000. Also the commission sent out a total of \$65 more cash bonus payments. "Rapid progress in shaping policies to be followed by the commission in making loans to eligible veterans of the World War is now being made," said Captain Brumbaugh, in a statement issued yesterday. "It is already apparent, however, that many perplexing problems will have to be overcome before the machinery for actually issuing the loans is in full swing. Up to this time 6831 loan application blanks have been mailed to applicants and up to March 13, 2,163 of these had been returned to the commission for preliminary examination."

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