

When You Buy Sugar

When you buy sugar you pay less per pound when you buy it by the dollar's worth. You pay still less per pound when you buy it by the hundred-pound sack or by the barrel.

The same is true of the manufacturer and the merchant. The larger quantities of anything that he can buy the less he has to pay for it. It costs him less to handle it in large quantities than in small lots. It costs less per pound to ship a solid carload than it does to ship a carload in separate shipments of 100 pounds each. Just as it costs you less to buy a hundred pounds of sugar at one time than it would to buy a hundred pounds a quarter's worth at a time. Less in money. Less in time. Less waste—less in every way.

The manufacturer and merchant who advertise are enabled to buy and to sell in larger quantities. By doing a "quantity" business they cut expenses and save waste on every hand. They can sell better quality—pay the small advertising cost—and **SELL FOR LESS** than if they were doing business in small way.

In these times of advancing prices carefully compiled statistics prove that the advertised brands of merchandise have advanced much less in proportion than those which are not advertised.

In the interest of economy buy advertised merchandise from merchants who advertise.

THE HEART AFTER DEATH.

Why, Under Some Circumstances, It May Keep on Beating.

The question, "Why does a man or an animal die?" has been answered. "Because the heart stops beating." But any hunter or fisherman who has dressed his own catch can testify to the fact that the heart does not stop beating at the moment of the animal's death. Often it will continue to pulsate rhythmically for several minutes after it has been removed from the carcass.

The most recent answer to the "Why?" of this is that the heart muscles themselves possess the inherent quality of contraction and will contract or beat just as soon or as long as the conditions of environment are right. That is their business, and they can no more refrain from doing it under the right conditions than a rose could help giving out its fragrance.

In recent experiments it has been found that heat is the principal element necessary to the development of the heart muscles and their subsequent action. It is possible to grow the heart muscles of a warm blooded animal in an incubator. During this growth a single muscle cell has been observed to develop and wander away from the mother cell and begin to beat of its own accord. Again, several individual cells may attach themselves to each other in a colony and beat rhythmically together as long as the environment is favorable.

But let the temperature of the incubator be materially reduced and the action of the heart muscles be-

comes sluggish. Reduce the temperature still further and gradually the rhythmic action ceases altogether. The cells cease to perform their natural function because their environment is no longer right. In other words, they die because they are cold.

According to this theory, the heart muscles could live on independently of a body if kept at the proper temperature for their best development.—Popular Science Monthly.

A Chinese Epicure.

"The cooks of today," wrote Yuan Mei, a Chinese author of the nineteenth century, "think nothing of mixing in one soup the meat of chicken, duck, pig and goose. But these chickens, ducks, pigs and geese have doubtless souls, and these souls will most certainly file complaints in the next world of the way they have been treated in this. A good cook will use plenty of different dishes. Each article of food will be made to exhibit its own characteristics, while each made dish will be characterized by one dominant flavor. Then the palate of the gourmand will respond without freak and the flowers of the soul blossom forth."

Music in Japan.

Music as an art has little standing in Japan. It is left almost entirely to women, who cultivate it to the extent of playing on a guitar-like instrument called the samisen. "In the not very remote past," says the writer, "no gentleman could reconcile the practice of music with masculine dignity, and this state of affairs is changing but slowly."

OREGON NEWS NOTES OF GENERAL INTEREST

Principal Events of the Week Briefly Sketched for Information of Our Readers.

An all-Oregon Fourth of July celebration is planned for Salem at the state fairgrounds.

The Oregon State Medical association is to hold its 43d annual meeting in Portland June 23, 29 and 30.

One suicide, two fatal accidents and another accident that may prove fatal were one day's toll of death in Coos bay towns.

Percy Cupper, assistant state engineer, has been appointed by the desert land board as assistant secretary to that board.

Five hundred and forty-three students are enrolled for the summer session of the Oregon normal school at Monmouth.

The twenty-fifth annual session of Oregon yearly meeting of the Friends church held a very successful gathering at Newberg.

Annual conventions of postoffice clerks, city letter carriers and rural letter carriers will meet at Albany Saturday, June 30.

Portland's public auditorium is within two or three weeks of entire completion. It will be formally opened to the public on July 4.

A shad hatchery is being established by the state fisheries department on the Adams ranch in the Young's river district, near Astoria.

The public service commission has issued a digest, covering laws passed by the recent legislature relative to railroads and public utilities.

The United Spanish war veterans and the women's auxiliary will hold their annual encampment and reunions in Hillsboro June 27 and 28.

A number of wool sales were reported at Heppner when several prominent shepherds sold their season's clips at 60 cents per pound.

After being overcome by a sudden attack of heart failure, William L. Bradshaw, circuit judge of the seventh judicial district, died at Portland.

Thomas Jefferson Stites, prominent for many years in the public life of Linn county, and a past grand master of the Oddfellows of Oregon, died in Albany, at his home, aged 77.

Attorney Fred W. Wilson has been appointed by Governor Withycombe to the office of circuit judge for Hood River and Wasco counties, to fill the unexpired term of the late Judge Bradshaw.

Figures made public by the war department disclose that Oregon, in proportion to population, has contributed more men to the regular army than any other state, save Nevada and Utah.

Ralph D. Hetzel, who has been director of the extension service at the Oregon agricultural college for the last eight years, has accepted the presidency of the agricultural college of New Hampshire.

Train baggagemen on the O-W. R. & N. have complained to the public service commission that they are employed too long hours and ask if steps can be taken to obtain shorter hours of employment for them.

The first number of Oregon Exchanges, a newspaper for newspaper men, published by the school of journalism of the University of Oregon, has been issued. It is of magazine form and contains 16 pages.

Word has been received that Charles White, a former resident of Ballston, was killed in battle in France recently.

The northwest photoengravers will hold their seventh annual convention in Portland on July 16 and 17.

One of the new and interesting features of the Oregon blue book for 1917-18, which will be issued about July 10 by the secretary of state, is a section giving historical data relating to each county in the state.

According to reports given out by the United States forest service in Eugene there is now ten feet of snow in the McKenzie pass and the road will probably not be open to automobile travel traffic for more than a month.

Out of 416 accidents reported to the industrial accident commission for the week from June 15 to 21, inclusive, but two were fatal, these being William Trebbel, Astoria, logger, and C. C. Noel, Roseburg, cement factory employee.

Governor Withycombe has announced the personnel of Oregon's exemption boards, following announcement from Washington that President Wilson had in every case approved the local boards appointed by the state executives.

The secretary of war sent to congress an adverse report on the proposed improvement of the Willamette river from Corvallis to Eugene. The local engineer recommended an annual expenditure of \$1000 for snagging and removing other obstructions, but the river and harbor board reports that it is impracticable to open this stretch of river to useful navigation for more than a few months a year except by locks and dams.

It is reported from Milton that horses are dying there of what is known as "the walking disease."

Earl Cooley, aged 18, from Harrisburg, Linn county, is attending the boys' and girls' summer course at the Oregon agricultural college as a result of winning first place in dairy herd record keeping at the state fair in 1915 and 1916.

Unable to attend the exercises which will mark the first dirt throwing on the Strahorn road at Klamath Falls, July 4, Governor Withycombe has delegated George Palmer Putnam, his private secretary, to represent him there on that day.

Paul V. Maris, state leader of county agents, and W. L. Kaddery, farm management demonstrator, have made a week's tour in different parts of the state, making a survey of the farm labor conditions. Twenty-two counties were visited. No shortage of labor is apparent.

Representative Hawley introduced a resolution amending the sundry civil bill so that part of the \$25,000 appropriated to protect the lands of the Oregon & California grant from forest fires may be used in protecting also the 90,000 acres of the Coos Bay wagon road grant.

Employees of the state university, such as engineers, laborers and janitors, if injured by accident while employed, cannot bring suit against the university without special authority being granted by act of the legislature, according to an opinion by Attorney General Brown.

Senator McNary has introduced a bill authorizing the state of Oregon to select in a compact body 40,000 acres of land in the Santiam national forest for use as a state forest reserve, and to relinquish in exchange, all title to an equal area of scattered school sections within this reservation.

The city council has authorized a special election in Toledo, August 13, to vote upon three proposed bond issues, an issue of \$12,000 to rebuild the present city water supply line, \$6000 refunding bonds to retire outstanding water bonds and \$9000 to take up the present city warrant indebtedness.

Representative Sinnott has prepared and will offer an amendment to the pending food supply bill authorizing the president to expend not more than \$20,000,000 out of the \$150,000,000 carried by the bill, in constructing northwest irrigation projects, in accordance with the terms of the reclamation act.

Word has been received by Superintendent Swartzlander of the Umatilla reservation from Washington that bids within the \$28,000 appropriated for two bridges across Umatilla river on the reservation had been received, and that the contract would be let immediately. The government is paying two-thirds, and the county one third.

The old blast furnace and smelter plant of the Oregon Iron & Steel company, occupying five acres of land along the Willamette river at Oswego, were purchased outright by William Pigott, of Seattle, head of the Pacific Coast Steel company interests in that section, with the prospect that it will be placed in shape within about 60 days for the manufacture of pig iron.

That Oregon counties intend to be pulled out of the mud is apparent from the applications which have come in to the state highway commission, not only to secure aid under the \$6,000,000 bond issue act for hard surfacing, but also from the demands which are being made for post-road money to be expended on a co-operative basis with the federal government.

Eleven creeks, all tributaries of the upper McKenzie river, will be closed to trout fishing on August 1 and will remain closed for two years thereafter, according to Carl D. Shoemaker, state game warden. The creeks to be closed are Ritchie creek, Johnson creek, Trout creek, Driftwood creek, Granite creek, Indian creek, Gate creek, Martin creek, Deer creek, Ennis creek and Quartz creek.

The headquarters of the interstate commerce commission engineers engaged in making a physical survey of railroad property in the Pacific division, may be moved from San Francisco to Eugene during the summer, according to an announcement made by S. D. Clinton, engineer in charge of a crew of 11 engineers, in Eugene in connection with the appraisal of Southern Pacific property. There are 12 crews working out of San Francisco at the present time.

Plans of the state highway commission for immediate paving of three important stretches of highway, and the grading of two other sections, have been announced by Chairman S. Benson. In Umatilla county, as much of the important highway from Pendleton to Walla Walla is to be paved as can be done for \$100,000. This work had been agreed on by the commission some time ago, and bids are now being asked. In Washington county, the long-notorious Rex-Tigard road, a part of the Pacific highway, is to receive first attention. Starting at the Multnomah county line, several miles of this road will be hard surfaced. In Clatsop county, paving operations will be started from Astoria west on the Astoria end of the Columbia river highway. Work for this year is limited to \$100,000.



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THE NEWBERG GRAPHIC

Makes Clubbing Arrangement With

The Oregon Farmer

Offers Unusual Opportunity to Its Readers

AMONG our large circle of readers there are a great many who are interested directly or indirectly in fruit growing, dairying and other branches of farming. All of these naturally wish to keep in close touch with agricultural activities throughout the state; and to know about any fight which is being waged for the measures Oregon farmers want and against all sorts of schemes that are detrimental to the people and agricultural interests of this state.

We have, therefore, made a special clubbing arrangement with **THE OREGON FARMER** whereby any farmer or fruitgrower, who is one of our regular subscribers and who is not now a subscriber to **THE OREGON FARMER**, will be entitled to receive **THE OREGON FARMER** in combination with this paper at the same rate as for this paper alone.

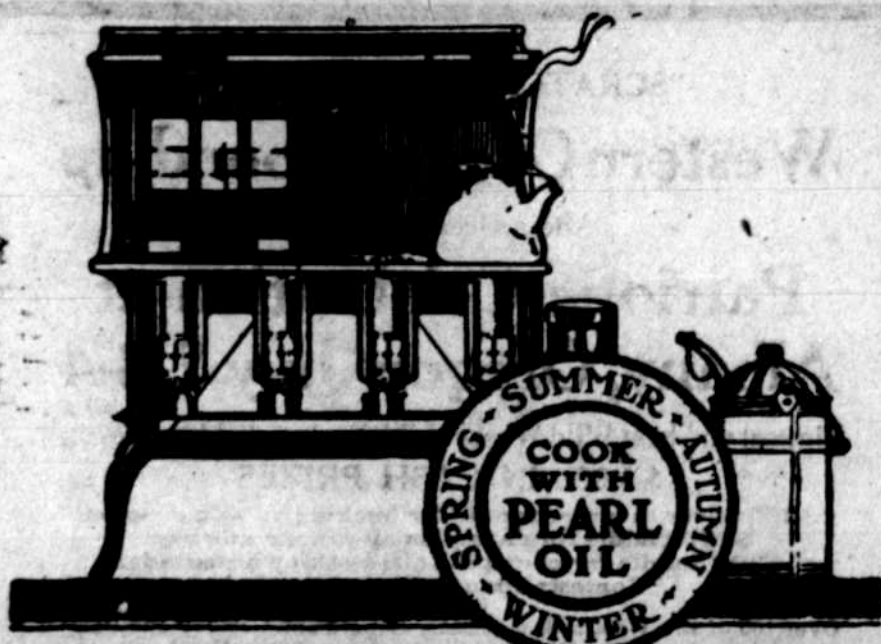
This offer applies to all those who renew or extend their subscriptions as well as to all new subscribers. If you are interested directly or indirectly in Oregon agriculture, do not miss this unusual opportunity, but send your order in now.

THE OREGON FARMER is the one farm paper which is devoting itself exclusively to the farming activities and interests of Oregon. It has a big organization gathering the news of importance to farmers, dairymen, fruitgrowers, stockraisers and poultrymen; and it has the backbone to attack wrongful methods and combinations and bad legislation, and support honest leaders and beneficial measures. We are confident that our readers will congratulate us on our being able to make this splendid and attractive clubbing offer.

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