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# UNITED STATES CREAM SEPARATOR

**A Money-Making Machine**



THE U. S. MINT is the largest money-maker in the U. S. — and next to it comes the U. S. CREAM SEPARATOR.

EVERY time you put a milking through the U. S. SEPARATOR you are grinding out additional revenue above the cream value.

"SKIMMING the Cream" has a double meaning when you use the U. S. Separator, for you are creating extra profits by the saving of time, strength, and repair charges.

THE sooner you put one of these U. S. money-makers to work in your dairy, the quicker your "gold pile" will accumulate. Not a drop of cream gets past the U. S. SEPARATOR, and every day in the year it is ready to make your work easier and your profits greater.

DON'T waste another hour of your life fanning with an old-style type of machine. Be modern. Buy a U. S. — the World's Record close skimming separator.

**KNOWLES & GRABER AGENTS**

## OREGON CO-ED HAS READ 10,585 PAGES IN 4 MONTHS

In Addition to This Pastime, Miss Opal Whiteley Has Carried Full Course of Study at University of Oregon

The following recently appeared in The Oregonian with pictures showing Miss Whiteley at work and play.

University of Oregon, Eugene, March 21.—Miss Opal Whiteley, a Freshman co-ed from Cottage Grove, is the most omnivorous reader in the university. Inside of four months she has completed reading 10,585 pages of library books, a record unsurpassed by any other university student. Besides that she carried a full course in the university and several subjects in the Eugene Bible University. In her own words she believes "every moment on this earth is too precious to waste," so between classes she sits in the library and reads while the other students chat in the halls.

But this co-ed, who last week celebrated her 19th birthday, is not half so famous in the university for her reading as she is for her original research work as a natural scientist and state organizer of Christian Endeavor societies. She is state superintendent of the Christian Endeavor societies of Oregon, and under her supervision are 5400 young people of the league. She frequently handles correspondence to the extent of 30 letters a day. Last year she sent out 1000 letters of advice on matters of butterfies, moths, flowers, snails, minerals, fossils and the like.

Former Pupils Write.

At the age of 11, when living among the lumber camps of the Row river valley, where her father was employed, she first began teaching children the wonders of nature. Every year thereafter she did this, her classes becoming so popular that after children had moved away they would write to her to tell her of the new things they had discovered. In this way she has learned from children in New York, the middle west, and all along the Pacific coast. Even the young people of the Christian Endeavor league write to her from over the state to know how such and such a bird sings, where such and such a flower grows, when will the caterpillar cocoon open, etc. Of the latter requests she has whole files of letters.

"When I taught in the lumber camps," said Miss Whiteley, "we had what we called a menagerie, for we studied every kind of natural thing. The children would bring anything they wished. One day a little boy came to the back door of the house where I was staying and said he had something for the menagerie. 'Bring it right in,' I told him. When he deposited his burden on the table a whole horde of lizards ran over the table, much to the consternation of the other people in the house."

All her life Miss Whiteley has collected for a museum all her own and now has between 11,000 and 15,000 specimens of butterfies, moths, flowers, snails, minerals, fossils and the like.

Her life ambition is to write nature study books for children. She desires to make them appeal to the children in such a way that they will enjoy reading them as much as she does writing them. To this end she is bending much of her effort and is laying what she terms the "foundations." In the summer she travels in the state at the request of school children, giving lectures on her discoveries.

Though very much of a student, Miss Whiteley believes in the "early to bed, early to rise" policy. Her day begins at 5 o'clock in the morning, when she finds it most easy to study. Long walks and days in the fields take another portion of her time. She is an ardent lover of the country and wishes always to be near her beloved rocks and lichen. She spent three years studying the butterfly before she felt that she understood her life thoroughly and she prizes the friendship of a bird as highly as that of a human being. Out-of-doors is like an entertaining book to her.

She is a most pleasing little personality, barely 19 years of age and hardly taller than the children of whom she is so fond. Her being fairly effervescent with the joy of living. In the summer through her lectures she earns enough money to send her to school through the winter. In her opinion, an education is a wonderful privilege and should be made the most of. Every spare bit of time she spends in the library. There her reading has covered a wide range, including natural sciences, eugenics, biography, the bible, art, and home-making, an average of 529 pages a week, excluding the daily preparation of her lessons.

She Dabbles in Clay.

"People used to tell me I was narrow-minded and read only for my studies at the university," she explained. "Just to prove that this was not true I read extensively about home-making and art. Every girl ought to be a good home-maker even if she intends following a professional life."

As for art, Miss Whiteley is something of an artist herself. "I won't let you see my workroom just now," she said. "It's all cluttered up with plaster. I've been modeling a bust of Mendelssohn."

In the spring Miss Whiteley expects to start lecturing again. Last summer she spent in eastern Oregon in Morrow and Umatilla counties, traveling by herself and not meeting a single acquaintance in three months.



## HOW can you tell when you're near the Sea? "Your Nose Knows"

There's a salty tang in the air—a pure fragrance that braces you. Quite so with a tobacco of a fine, distinctive flavor—it's the pure fragrance that appeals—"Your Nose Knows."

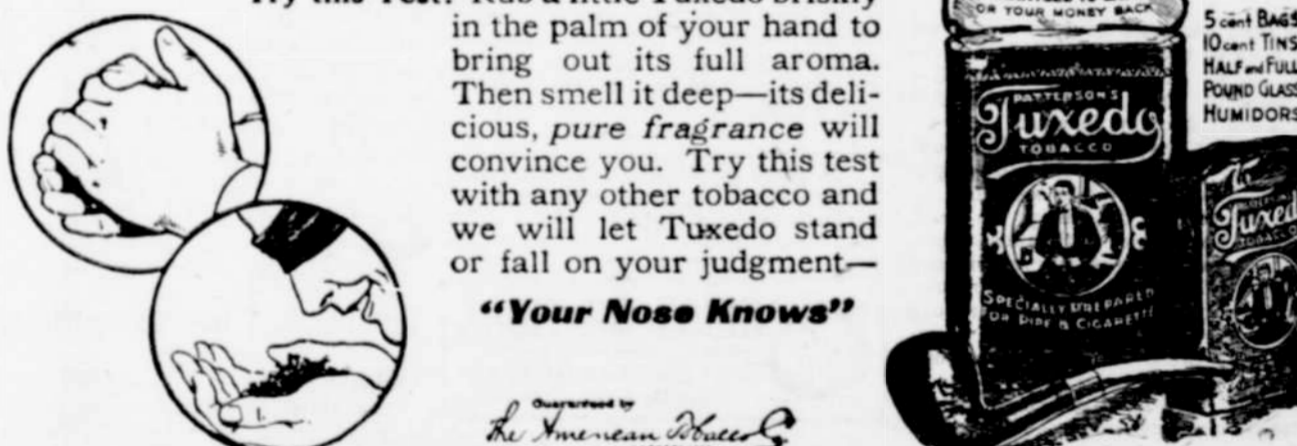
Only one such tobacco—



Its pure fragrance is as definite as the tang of the sea. It's the sunny Blue Grass fragrance of Old Kentucky, where the rich Burley leaves are grown and cured and blended. Trust your sense of pure fragrance—"Your Nose Knows!"

Try this Test: Rub a little Tuxedo briskly in the palm of your hand to bring out its full aroma. Then smell it deep—its delicious, pure fragrance will convince you. Try this test with any other tobacco and we will let Tuxedo stand or fall on your judgment—

"Your Nose Knows"



Guaranteed by The American Wholesaler

**Administrator's Notice.**

Notice is hereby given to all whom it may concern that the undersigned has been duly appointed by the County Court for Lane County, Oregon, executor of the last will and testament of Lena Lurch, deceased. All persons having claims against said estate are hereby required to present the same to me duly verified on or before six months after the first publication of this notice.

The date of this notice and the first publication thereof is the 10th day of May, 1917.

**BENJAMIN LURCH,**  
Executor of the Estate of  
Lena Lurch, Deceased.

**J. E. YOUNG,**  
Attorney for the Estate. m10-j67

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The Incomparable Baby Food  
The Perfect Food for Invalids

Works wonders in restoring health to those suffering with tuberculosis or stomach trouble. Positively solves the problem of infantile malnutrition.

AT LEADING DRUGGISTS  
Put up in 11-oz. Tins

**WIDEMANN GOAT MILK CO.**  
Physicians' Big

### Successful Gardens Must Have Careful Attention

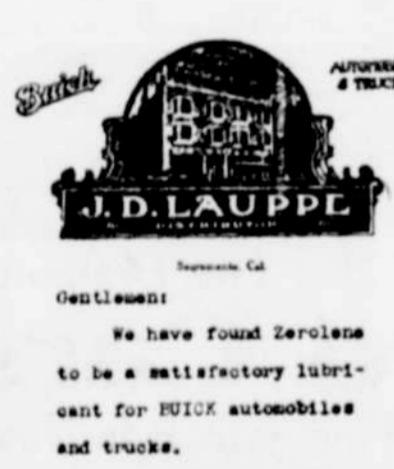
There never was a time in the history of our country when our gardens warranted more careful attention than during the present world shortage and the scarcity of farm help. This last factor, together with the unfavorable season, is going to influence the production of cereal crops in this section during the present year.

To meet these demands it seems that some means must be devised whereby substitutes for part of our cereal diet can be had and thus release a greater portion of cereals for export.

The movement to encourage the small vegetable garden is one that is timely and undoubtedly will assist in solving this problem of increasing the food supply to a certain extent, especially until the next harvest time.

Any person who is willing to devote a little time each day can successfully grow a small vegetable garden if he can give it the care and attention necessary. The saying that no man knows what an acre will produce holds true

**BUICK**
**SAXON**

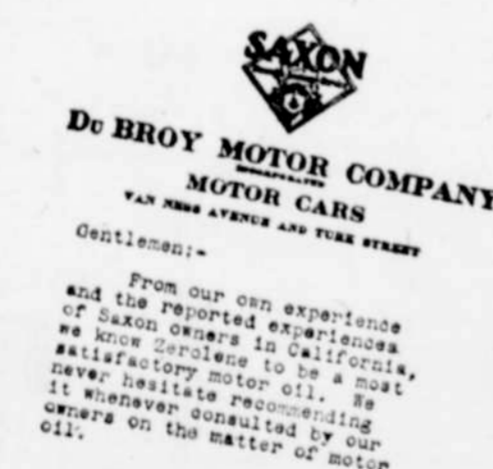


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Eugene, Ore.

Gentlemen:

We have found Zerolene to be a satisfactory lubricant for BUICK automobiles and trucks.

Very truly yours,  
*J. D. Lauppe*



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MOTOR CARS  
VAN HORN AVENUE AND TUNE STREET  
Eugene, Ore.

Gentlemen:

From our own experience and the reported experience of Saxon owners in California, we know Zerolene to be a most satisfactory motor oil. We never hesitate recommending it whenever consulted by our owners on the matter of motor oil.

Very truly yours,  
*D. B. Halloway*

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Less wear and more power because Zerolene keeps its lubricating body at cylinder heat. Less carbon because, being made from asphalt-base crude, it burns clean and goes out on exhaust

Zerolene is the oil for your car—whatever the make—the oil for all types of automobile engines. For correct grade, get our lubrication chart covering your car.

At dealers everywhere and Standard Service Stations.

# ZEROLENE

*The Standard Oil for Motor Cars*

**STANDARD OIL COMPANY**  
(CALIFORNIA)

with the small vegetable garden. It is not unreasonable to expect a small lot to supply fresh vegetables for a family and also supply some of the winter vegetables.

There are several things a person should take into consideration in planting the garden if he is to get the most benefit from his garden.

**Good Seed Bed Important**

One of the essentials in the growing of a small vegetable garden is a well prepared seed bed.

The better prepared the seed bed is the greater will be the returns. To obtain a good seed bed the ground should be plowed fairly deep, if the surface soil is deep, and harrowed until the soil has a good tilth. If the subsoil is close to the surface it is advisable to plow more shallow especially at this season of the year. Disking before plowing is a great aid in pulverizing the ground, especially if the ground has a tendency to be soddy. This point should not be overlooked this year as some land that has lain idle for several years and has become soddy is being utilized for garden spots. On wet ground, if the sod cannot be torn or worked up well, after plowing finish by disking and harrowing. The larger seeded crops and beans, peas, corn and vine crops should be planted on such land and onions and the smaller seeded crops do best on well pulverized ground and will not do so well on ground that is soddy or lumpy or poorly prepared.

**Manure the Best Fertilizer.**

A great many questions are asked about the use of fertilizers and the advisability of buying commercial fertilizers. The one best fertilizer is well rotted manure and if we can obtain this the worries about fertilizing cease for there is no other fertilizer that can equal it for all purposes. It supplies all the elements of plant food needed by the various varieties of vegetables and supplies large quantities of humus besides. Where vegetable matter is added to the garden soil the texture of it will be improved, it will be made earlier and will hold moisture. None of these qualities are possessed by any commercial fertilizer. All are essential, however, and for these reasons alone, if for no other, manure is superior as a single fertilizer. There can be too much manure applied to the land but the trouble generally lies on the other side. A safe rule to go by is to apply about 250 to 300 pounds of well rotted manure per square rod. This should be well worked into the soil by means of a hoe or rake.

Potash is an essential element in the development of all root crops and can be supplied by applying wood ashes at the rate of 15 to 20 pounds of leached wood ashes per square rod.

Nitrate of soda is sometimes used for hastening the growth, especially in the spring. This fertilizer tends to make a quick rank growth. It is applied to the rows at the rate of 1 1/2 pounds to the square rod. The best way to apply this substance is by dissolving in 12 gallons of water and sprinkling the rows.

General or complete fertilizers are applied at the rate of 10 to 15 pounds to the square rod.

Considering the fertilizer question from all sides the well rotted manure and the wood ashes supply all the ingredients that the commercial fertilizers do at a lower cost.

**Minor Factors that Count.**

Soaking the seed before planting will hasten the germination and shorten the growth period somewhat. Transplanting is of advantage to most garden crops. The practice tends to produce stockier and more thrifty plants.

Compacting the soil after planting the seed is important as it hastens germination and allows the establishment of better root systems.

**Succession Crops Give Best Returns.**

The planting of two crops on the same ground during the same season is known as growing succession crops. The early planting and early maturing varieties can be followed by later and other quick maturing crops and the yield for the year greatly increased. This is a practice followed by most truck gardeners and found to be very profitable.

**Cultivation Essential.**

The surface soil should never be allowed to become crusty in the small vegetable garden. It should be stirred frequently to allow the air to penetrate the soil and keep down the growth of weeds and conserve the moisture. The best results in gardening will only be obtained thru an abundance of cultivation. This to some is the "if" in successful gardening, but when one gives the proper cultivation he will be repaid well for his efforts, as this lack of cultivation may mean the failure of the garden.

Someone wants what you don't want.

**Administrator's Notice.**

Notice is hereby given that by order of the County Court of Lane County, Oregon, duly made and entered of record the 17th day of April, A. D. 1917, in the matter of the estate of Mrs. Susan C. Conner, deceased, the undersigned C. C. Conner was duly appointed administrator of said estate. All persons having claims against said estate are required to present them, duly verified as by law required, to said administrator at the law office of Alta King, First National Bank building, Cottage Grove, Oregon, within six months from the date of this notice.

Dated this 18th day of April, A. D. 1917.  
C. C. CONNER,  
Administrator.

**SOUTHERN PACIFIC TIME TABLE.**

North Bound	South Bound
No. 16—2:28 a. m.	No. 13—1:00 a. m.
No. 18—9:56 a. m.	No. 17—7:10 a. m.
No. 14—4:35 p. m.	No. 15—2:42 p. m.
	No. 19—7:40 p. m.