

# Home Made

Have your cake, muffins, and tea biscuit home-made. They will be fresher, cleaner, more tasty and wholesome.

Royal Baking Powder helps the housewife to produce at home, quickly and economically, fine and tasty cake, the raised hot-biscuit, puddings, the frosted layer-cake, crisp cookies, crullers, crusts and muffins, with which the ready-made food found at the bake-shop or grocery does not compare.

Royal is the greatest of bake-day helps.

ROYAL BAKING POWDER CO., NEW YORK.

## THE FERTILIZATION OF GROWING TREES

Our attention has been called by E. H. Shepard to an excellent article on fertilization which we print below and which has received the approval of several local growers who have seen it. It is as follows:

At a recent meeting of the horticultural society of the Massachusetts Agricultural College, Prof. W. P. Brooks was the speaker, and his subject was "The Fertilization of Fruit Trees, Especially Apples." He began by stating a few general principles. In dealing with fruit trees very slow acting fertilizers are to be chosen as a rule. This is because the crop remains long in the land, and because, as a rule, slow acting fertilizers can be bought at a price which makes the unit of plant food in them much cheaper. There are, of course, some exceptions to this rule, especially in soils which are liable to leach. In such cases quicker acting fertilizers are required. Again, it is not always true that the unit of plant food can be bought most cheaply in slow acting chemicals. At the present time nitrate of soda offers practically the cheapest form of nitrogen, pound for pound; yet it is one of the most quickly available fertilizers known.

In applying potash and phosphoric acid to fruit trees, at least in soils which are fairly retentive, considerable quantities can be held in reserve—that is, the soil will carry a large stock of these fertilizers on which the trees can draw indefinitely as they need them. For various reasons, however, nitrogen cannot be stored up in the soil in the same way. It has to be supplied frequently, and therefore usually in smaller quantities.

It is to be noted further that in the use of nitrogen on fruit trees considerable care has to be exercised. Large quantities of nitrogen are not needed, and even moderate quantities are sometimes dangerous. In an apple orchard all the nitrogen which is required may sometimes be secured from the use of leguminous cover crops, such as cow peas, soy beans, clover or vetch. As nitrogen is the most expensive element to be secured, there is manifest economy in applying such a system of management as will provide this nitrogen on the ground without the addition of expensive nitrogenous fertilizers.

The principal part of Prof. Brooks' lecture, however, was devoted to a discussion of a very interesting experiment in the fertilization of apple trees carried out at the Hatch Experimental Station of the Massachusetts Agricultural College. A good piece of land, having been previously cultivated in grass and other common agricultural crops, was in the fall of 1887 plowed and dressed with one ton of wood ashes to the acre. In 1888 it was again plowed, and in 1889 the regular system of fertilizers was adopted as follows:

Plot 1 received annually at the rate of ten tons of barnyard manure per acre.  
Plot 2 received at the rate of one ton of wood ashes per acre.  
Plot 3 received nothing but the way of fertilizer, but was held as a check against which the other lots could be compared.

Plot 4 received annually bone meal 600 lbs., muriate of potash 200 lbs.  
Plot 5 received annually 600 lbs. of bone meal and 400 lbs. of low grade muriate potash sulphate.

The trees were planted in 1890, and the land was plowed and cultivated until 1903, when it was seeded down to grass. The hay was cut and carried away until 1902, after which the hay was cut and left on the ground. The trees have therefore been growing since 1890, and are now 15 years old. They have been bearing for several years, and while the results are not necessarily final, a very good judgment can be formed regarding the general results.

It may be said that the fertilizers in the different plots cost approximately as follows:

Plot 1—\$20 per acre per year.  
Plot 2—\$12 " " " "  
Plot 3—Nothing "  
Plot 4—\$10 " " " "  
Plot 5—\$11 " " " "

The amount of potash in plots 2, 4 and 5 was approximately equal, as was the phosphoric acid in plots 4 and 5.

Considerable difference is shown in the growth of the trees during the 15 years of this experiment. It would be naturally expected that the growth has been considerably the least on plot 3, where no fertilizer was applied. Taking the average circumference of the trees in the different plots, the following figures are shown:

Plot 1—31.32 inches.  
Plot 2—27.52 " "  
Plot 3—24.92 " "  
Plot 4—25.94 " "  
Plot 5—31.15 " "

It should be said that this experiment included several different varieties of apples as follows: Baldwin, Gravenstein, Rhode Island Greening and Roxbury Russet. These varieties were affected very differently by the fertilizers. It was shown, for instance, that Roxbury Russet could not be grown so well as the other varieties. It made very nearly

as good growth in plot 3, without fertilizer, as in plot 1, where it had an abundance. Baldwin, on the other hand, proved to be very sensitive to food supply. It made much less growth in plot three than in the fertilized sections. This of course is quite contrary to the usual opinion which rates Baldwin as the lazy man's apple par excellence.

We may now compare the products of these various plots. The totals are as follows, and cover the time of first bearing in 1898 up to and including the crop of 1905:

Plot 1—10,287 pounds.  
Plot 2—5,453 " "  
Plot 3—2,021 " "  
Plot 4—7,111 " "  
Plot 5—9,937 " "

It will be seen that the section fertilized with barnyard manure has given slightly the largest total crop. It must not be forgotten, however, that this is secured at a very greatly increased expense. The next largest crops were developed in plots 4 and 5, but the striking thing is that plot 5 greatly exceeds plot 4, although the quantities of fertilizers, chemically computed, are almost identical. The difference appears to be due to the different form in which potash is applied. The evidence is certainly strong that on this soil sulphate of magnesia potash is superior to the muriate. The plot fertilized with wood ashes gave the lowest yield on the fertilized plots, although at relatively high expense. The very low yield from the unfertilized plot is rather striking, especially when one remembers that this plot received considerably better than the ordinary care given on the common farms. The trees were always carefully pruned, sprayed, and otherwise well cared for.

In the matter of quality, there were also some striking differences among the various plots. The fruit showed its best color nearly always on plot 3, fertilized with wood ashes, while plot 5 showed second best color. Those on the unfertilized plot were firm, of good color and good flavor, but they were altogether too small and a very large proportion of them were unfit for sale. The fruit on plot 1, fertilized with barnyard manure, was the poorest of all, except in the point of size. It was soft, rather poor flavored, kept poorly, and was not well colored. Careful chemical tests failed to reveal any difference in the chemical nature of the different plots.—By F. A. Waugh in the Country Gentleman.

## SHOOTS HIMSELF TO DEATH IN TOOLHOUSE

J. O. Haynes, a former employe of the O. R. & N., at this place committed suicide at Waukegan where he was station agent for that road. Haynes' reasons for killing himself are said to be due to domestic troubles.

On the day of his death he seemed to be in his usual spirits, but just before 1 o'clock, Haynes walked out of his office at the depot and went into the tool house nearby. In a moment Mrs. Haynes, who was in their rooms at the depot, was startled by a pistol shot in the tool house. She hastened to the place and was horrified to find her husband lying on the floor with the blood oozing out of a wound in the right temple. Clutched in his right hand was a .30-caliber revolver. She called for assistance, and several persons who were in the depot answered her call. They picked up the unconscious man and carried him to the depot, where he expired immediately after.

The deceased leaves, besides his wife and two children, a widowed mother, who lives at Sherwood, three brothers and two sisters. He had been in the employ of the O. R. & N. Co., for several years, was a splendid railroad man, and filled his position well.

Talks and Sings Though Tongueless. With his tongue and the greater part of its roots on the left side of his mouth cut from his head by a surgeon's knife, Frederick Power, actor and stage manager of the Bush Temple Theatre, told stories and sang songs at St. Joseph's hospital Chicago.

Five weeks ago, Powers underwent one of the most dangerous operations ever performed by Dr. Nicholas Seno, when a cancer, caused by excessive smoking, was removed. In five weeks more he expects to be engaged by the theatrical profession and to be able to talk as well as when he had a tongue. It is possible even that Power will be able to go on again as an actor, but he says that he is not going to pin his hopes too high and will be satisfied to resume his work as stage director. At the hospital, Power went through the alphabet, pronouncing distinctly all letters but G, J, Q, V, and W.

Perfection can only be attained in the physical by allowing nature to appropriate and not dissipate her own resources. Cathartes Grip, weaken dissipate, while DeWitt's Little Early Bitters simply expel all putrid matter and bile, thus allowing the liver to assume normal activity. Good for the complexion. Sold by G. E. Williams.

## LONG ENGAGEMENTS.

A Woman's Plan by Which to Bring About Happy Marriages.

Marriage is an institution of the state; therefore she should put it out of the bonds of possibility that people can marry each other in two days or a week. How many marriages would be broken off if the state required a three years' engagement before people are married? After all, if a woman wants to become a nun in two months, no convent in the world will accept her. She must be a novice for two or three years. During that time she has to make an examination of her conscience every day and to find out if she has a vocation for a nun. But women and men marry without the slightest preparation, without the slightest thought of the future, while Dame Nature laughs at her most odd pairings. She wants her world peopled. That is her part. The men and women who are ill suited to each other are not her affair.

Girls and boys at school should be taught to look upon marriage as the most beautiful, the happiest, the most desirable and the most possible thing in the world. Boys should be taught to keep their minds and their bodies pure for the state which they will probably enter and to have a sense of protection and loyalty to girls, and girls should be taught industry, self sacrifice and responsibility for the married state.—Mrs. T. P. O'Connor in Black and White.

A Bread Hint.

"Mamma," said a six-year-old girl, entering the sitting room one morning recently, "don't you want some candy?"

The mother was writing a letter.

"Why, yes, dear," she replied. "Give me a piece."

"I ain't dot any," came from the child, "an' I ain't dot any nickel to dit none."

She got the nickel.—Kansas City Times.

Monthly Improving Habit.

The habit of dressing well grows on a man like the optimum habit, but its consequences, instead of being disastrous, are delightful and socially as well as morally improving.—Sartorial Art Review.

Beafulness may sometimes exclude pleasure, but seldom opens any avenue to sorrow or remorse.—Johnson.

Air is to the body what coal is to the furnace. The deeper the breathing the more drafts are turned on and the brighter life burns.

Notice

The annual meeting of the stockholders of the Odell Improvement Co. will be held at their hall at 6 o'clock, Tuesday, January 16, at 2 o'clock p. m. All stockholders requested to be present. E. T. Folts, Secy

## A. W. Estes & Co.

Real Estate Dealers

Homestead and timber claims, dairy and fruit land. Apples, berries and cherries a specialty. Also some bargains in timber land. Office over drug store, Jewett ave., White Salmon, Washington.

## \$365 BUYS

2 very choice residence lots on the Heights. Adjoining property offered at \$500. Inquire of

John Leland Henderson or A. W. Onthank.

## Some Bargains.

Our list contains about 40 different tracts of fruit and general farm lands in Mosier; about 500 acres in Underwood, divided into tracts of from 40 to 320 acres each; also about 185 different tracts of farm property in Hood River valley, and some very desirable residences in Hood River and Mosier.

33. 6 acres 1/2 mile out; berries and orchard. A beautiful location. Will be sold at a bargain.

24. 42 acres 4 miles out, 16 acres in orchard, 10 full bearing. First-class improvements. A beautiful home.

2. 40 acres in the most beautiful portion of the valley, 4 acres in orchard one year old, 33 acres in berries, 4 acres in alfalfa, balance general farming.

114. Two 100-acre tracts about nine miles out; one on east side, other west side. Choice for \$1100.

A number of 5, 10, 20 and 40 acre tracts of unimproved land that will bear investigation. Also a number of large tracts from 100 to 320 acres in Oregon and Washington.

Some few residences and lots in every portion of the city.

W. J. BAKER & CO.

Real Estate Agents

Hood River, Oregon.

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For further particulars regarding the SMITH GRUBBING MACHINES, call on or write

SEXTON & WALTHER,

THE DALLES, OREGON.

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# ATTENTION!

MANY know of the wonderful efficacy of WILLIAMS' WITCH HAZEL CREAM and SYRUP of WHITE PINE and TAR. So that more may know, without expense, we will give a FREE SAMPLE (enough for a trial) of either, with each 50-cent purchase during the week, beginning January 21st and ending January 28th. . . .

REMEMBER THE TIME

## Williams' Pharmacy

The Great Depot for Everything in the Drug Line.

CHARLES HALL, Proprietor.

## J. E. NICHOLS

UNDERTAKER and FUNERAL DIRECTOR

I hold license from the State Board of Oregon and Washington, and am qualified to ship bodies to any point. Prompt service either day or night. Hearse furnished on all occasions.

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Hood River, Oregon

## Golden Crown Hard Wheat Flour

Is the best flour ever put on the Hood River market. It is made from selected hard wheat, and put up expressly for Hood River trade.

The Hood River Bakery has just purchased 200 barrels of Golden Crown Flour, and says it is the best flour they have ever used.

For Sale By

### STRANAHAN & SHEETS

Hood River, Oregon

## FRUIT TREES

Nice lot of Yellow Newtowns, Spitzenberg, Baldwin, Mammoth Black Twig, Jonathan, Rome Beauty, Lawver, etc. Also large line of general nursery stock. Send for catalog and price list. Breeders of Shorthorn Cattle and Berkshire Hogs; all stock registered.

## PACIFIC NURSERY CO.

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## A GOOD PIANO

Will bring happiness to the home

### EILERS' MUSIC CO.

of The Dalles, Ore.

are always in the lead when it comes to good pianos, and close-priced terms can be had; all that is asked is a small amount down and a few dollars a month. No one needs to be without a piano who has talent in that direction, when new pianos can be bought for \$190 to \$235. Such pianos are: One used Bailey, formerly worth \$300, now \$225; Kimball piano in a fine walnut case, used only a short time and worth \$400, now \$235; and a store full of ten or twelve different kinds, all on easy terms.

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## The First National Bank

OF HOOD RIVER

Capital and Surplus, \$30,000.00

We offer you the facilities of a well managed and a well equipped bank. The interests of patrons receive our careful attention.

Our Motto: "A SQUARE DEAL FOR ALL."

## Buy Your Fruit Boxes

AT THE

### Hood River Box Factory

and Patronize Home Industry.

Best Quality Lowest Price

Home Made

Phone Main 71

## To the People of Hood River Valley . . .

Our Flour, Graham, Whole Wheat, Farina, Bran, Shorts and Middlings are as good as can be made by any mill on earth. All made from good, strong Hard Wheat. We ask you to give them the preference, and by patronizing home industry help build up your own community.

If your merchant will not furnish you with the home product, call on us and we will put you in line with some one who will.

### Hood River Milling Co.

## A LETTER

I wish to say to all our old friends and customers who for so many years came to our shop for their meats, that it is useless for me to introduce Wood Bros., our successors, as their 18 years in the butcher business in Wasco county has made them so widely known that an introduction is unnecessary. Being honest, capable business men, they have the means and ability to run a business as it should be run, and in a way that will be a credit to our city.

I expect to stay with the new firm for awhile, and will be glad to see you all at the old stand. I will guarantee that you will get just as much meat for your money, just as courteous treatment and just as prompt service as can be had in the city.

We will have a full line of everything good to eat for the Christmas trade.

Respectfully yours,

### E. S. MAYES.

## New Location.

We are now located in the Smith Building, in the room formerly occupied by J. E. Rand, where we will be pleased to see all of our old customers as well as new ones. This large and well-lighted store has been fitted up with the best and most complete stock of

### Staple and Fancy Groceries, Flour and Feed

ever displayed in the City. Fresh Vegetables received daily. Call and inspect our stock.

## SPOT CASH GROCERY

WOOD & SMITH BROS., Proprietors.

## Wood & Gray

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### Troy Steam Laundry

White Salmon-Hood River FERRY

Two big sail boats, two big perfectly safe gasoline launches and two big ferry scows. Expert sailors in charge. Boats leave at all hours. DEAN & PEARSON Licensed Ferrymen.