## VALUE OF WATER IN BUTTER

There must be a certain amount of water in butter to make it a perfect nrticle-not that the per cent of water must come within certain fixed or narrow limits, but the amount that is present in butter made under normal object.

To the average consumer the water content is not greatly noticeable unless there is a small quantity of free water left to the package in which the butter was originally packed. How-ever, this free water bears no direct relation to the amount present in but-ter, but it is an indication of the plan followed in its manufacture

Butter mechanically perfect may contain between 10 and 15 per cent of water. As a rule, this extreme differonce exampt be detected except by men who have made the subject a study.

The value of butter is based on its quality and general makeup and not Its natural composition, except in cases where it has been carried to an ex-

The factors in composition that will affect its quality are the extremes in sult contents or whether the sult is all dissolved.

The limit which was placed upon the water to be incorporated into but-ter was in part to do away with the prowing tendency on the part of some to make an article that should contain lowest possible amount of butter fat and yet bear the name of butter. If this had not been checked there would have been danger of placing the ability of the buttermaker upon the question, "Can you get us the overrun?" in place of, "Can you make good butter?" It seems as if that iden is still encouraged in certain localities.

The overrun bears a certain relation to the compositon of the butter, but is not a sure indication that a high per cent of water means a correspondingly high overrun

A buttermaker should have an overrun that checks fairly well with the ing only through one season water gas fat in his butter, provided the loss of | tar is expected to prove a valuable fat in the process of manufacture has been kept at its minimum. It cannot use is thought to lie in this direction. always be said that an overrun of only 10 per cent is an indication of butter thon of macadam roads and as a dust having a high fat content any more

The greatest factor in overrun control is the accurate determination of the total butter fat delivered to the an enormous expense has been avoided. creamery. If more butter fat was delivered than was actually paid for it ination of tar treatment is the imposcannot help but increase the overrun, and vice versa.

Naturally the question arises. "Can product, and the processes by which butter be made to always contain less it is derived are never run with referthan the legal 16 per cent limit for water?" The answer is positively "Yes," with a fair margin for safety. In fact. butter can be made to not exceed even a 15 per cent limit. A good commer cial product can contain 14 to 15 per cent of water. This, added to the 82.5 per cent standard for fat, makes a total of 96.5 to 97.5 per cent, leaving a balance of 2.5 to 3.5 per cent for sait, caseln and ash.

Since the average caseln and ash content need not exceed 1 per cent, this leaves 1.5 to 2.5 per cent for sait. This amount of salt is not sufficient for all grades of butter, nor will it meet the demand of all consumers. In order to increase the salt content there must be a decrease in the water. A commercial product will pass to certain consumers containing 3.5 per cent salt, but need not exceed 3 per cent.

It is not safe to work too close to any standard because of variation in composition due to sampling. One sample of butter taken to represent a e an acci rate representation of the butter in question. An average variation of at least one-half per cent must be allowed with an extreme of at least 1 per cent.

#### Notice to Electric Current Users. COAL TAR IN ROADMAKING.

Similar to Asphalt Pavement, but of a do not agree residences, wit Revolution in highway construction characteristic and we are appeared to formal sources and the restoration of appeared to formal uncertain use. Current is maintained to influre of front or sources and the formal lights burn when not in actual use i this about the present priors of would we be compelled to charge the full rate a lights burn all night. So if in the your light till is larger than annual you now the reason why. FRINEVILLE LIGHT A WATER CO. For C. L. Shatinew, Sopt. is predicted by many road engineers, but many others believe the successful maendam method modified will be the only innovation. In that event the tar macadam method will surely be considered. A property tarred road is set at

conditions where quality is the main a more resilient character. The stone Agreement Disselving Partnership. is all bound together by the tar into a

is all bound together by the tar into a smooth, firm surface, which can be sweet and washed in much the same manner as an asphalt pavement. The main agencies which cause deterioration of tarred or uiled surfaces are beavy rain, frost and the decaying organic matter which accumulates on the surface of the road. So far as can be determined, one kind of road with ald partnership. Dated this 15th day of November, 1940. G. W. Esras, J. T. Hovsron. be determined, one kind of road withstands the action of these agencies as

Express Delivery,

Purse Lost

Perfection Oil Heaters

# Am running an express wagon and will guarantee prompt delivery to all parts of the city. Plance and household goods a specialty. V. M. White. 10-13 Timber claim for sale in Crook county Sec. 4, township 14 south, range 18 east with 2,425,000 feet of first class yellow Pine. For particulars write C. C. K-eeri 1828 1st Ave. Spokane, Wash. 11-17-3p

Horses for Sale. For Sale. Broken and unbroken mares and

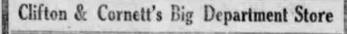
son. S-11-tr Now is the time to get Christmas cakes ordered. Plain leed, or Al-mond-leed. Dorthy Fox, Prineville, Oregon, nov, 3-Imo
Both alfalfa and grain hay for snie at the J. O. Powell place, near town, to feed beef cattle that are being driven to market. 'Phone Stroud & Cross, either 'phone, or call at the ranch. 7-14-tf

Timber Claim for Sale

Why do you throw your money away Between candy kitchen and J. H. Wigle's residence, a small brown purse containing a 55 bill, loose change and P. O. Key. Reward for leaving at this office. II-17-tf Perfection Off Meansaction and the necessary changes for one year. Room 14 and 15, post office building. II-17

#### Mare Lost.

The W, F. King Company have re-cently received a stock of Perfection Oil 



T is not the simplest thing in the world to dress smartly, even though the clothes you wear are smartly styled.

li is not always the chap with the most expensive clothes who looks most classy.

It is not the pattern nor the style of a suit which makes that suit good and true.

These are old truths which we cannot dispute.

We have made it our special business to help you dress smartly, even though you sometimes leel that you will never appear as well dressed as the other fellow.

It is not necessarily the most expensive clothes that lend the most grace to a fellow's ligure. Becoming style in a satisfactory quality will do as well if not better.

When you look at clothes seek Style, Fabric and Fit, Take a careful look at "Modern Clothes," designed and made by Brandegee, Kincaid & Co. You are sure to find in them many things you have wanted but have not been able to obtain.

### CLIFTON & CORNETT. Prineville, Oregon.





USING HOLLER ON COAL TAR HOAD.

well as the other. Water gas tar is used in connection with coal tar, but

In some cases where a limited

amount of money is available or where

not to any great extent by itself.

nanent bluders.

More Resilient Character.

(From Good Roads Magazine, New York) for climatic reasons it is available to treat the road with the idea of its lastpreventive is proved by the fact that than a high overrun indicates low fat content butter. in the majority of cases the life of a treated road has been materially lengthened, and by applying tar the A great drawback in the standardsibility of securing a uniform supply of coal tar. Coal tar is purely a by-

> ence to the quality of tar produced, but solely to obtain maximum yields of gas or coke.

> A Proud Prerogative. "When can a boy be said to have arrived at man's estate?" "When he begins giving his old clothes to his father."-St. Louis Republic.

> > sy to deceive oneself as it to deceive others .- Roche-

### The White House Hotel \_\_\_\_AT\_\_\_\_

CULVER JUNCTION Is a strictly First Class Hotel and solicits your patronage when visiting Central Oregon.

Hilliman, Oregon, Crook County.

# To the People of Crook County:---

We are glad to announce to the public that HILLMAN is growing every day and the prospects were never BETTER for a CITY than at the present. We have a location here second to none in this country for a CITY. The largest area of productive land in the Deschutes Valley surrounds

# HILLMAN,

Making this one of the largest trading and shipping points on the Oregon Trunk Railroad. The railroad has graded large yards here to handle the large quantity of freight that will naturally accumulate at this point.

# The Depot Sight is Graded.

We have just completed the largest and finest well in the Deschutes Valley, having

## 40 Feet of Pure Water,

And the pumping of 12 gallons per minute has no effect on lowering it, showing that the flow is rapid. Hillman has a natural drainage in fact everything that tends to make a healthful City. Don't take our word for it, Come and See for Yourselt, we are on the ground to Show You.

### Splendid Business Opportunities

On Small Capital. See us before buying. Fine Accommodations here. Two Feed Barns and Hotel.

Carpets,

Wood Sawing.

Beginning November 1, I will be pre-ared to saw wood on short notice. hone to my residence. H. L. Honns. 0.20.24.

Corset Found.

For Sale Cheap.

Good team, wagon and harness for

cheap. Inquire at this office.

10-20-3tp

10-29-tf

#### Testing Cream.

The percentage of fat in milk will have some effect upon the percentage of fat in the cream delivered by the separator. For example, when whey containing I to 2 per cent of fat is separated, unless the cream screw is changed, it will deliver a cream, if it may be called such, that will have to pass through the separator again before it can be churned, but just how much two creams will vary in test, one unde from 5 per cent milk and the other from 4 per cent milk without changing the cream screw, we are unable to say, and we can find no data that will help us to answer this ques-tion exactly. It would be a very easy matter to determine just how much the two creams would vary in test by running some 4 and 5 per cent milk through a separator under the same conditions, then testing the two resulting creams.

Rations For Colts. An experienced horseman has found equal parts of corn and oats ground together to be one of the best grain rations for growing colts. It furnishes elements needed for the production of fat, hone and muscle. Adding bran or linseed ment to the ration aids very much in keeping the bowels regular and avoids constipation and in this way lessens the liability of disease.

Cooling the Cream. To cool the cream quickly and thor-oughly just as soon as the separating is finished is of more importance than anything else at that particular time The pigs and calves can wait for their skimmilk, but bacteria in the creafi walt for nothing mutil the temperature favorable to their growth is reduced.

A Mean Comparison. "Confound these rallway time ta-bles!" snapped Mr. Stubb as the long folder refused to remain closed long enough for him to place it in his pock-£1. "They remind me of a woman." The idea?" replied his wife in sur-rise. "What is the comparison?" "Why, they are hard to understand, and you can't get them to shut up."

An Old Story. Doctor-1 shall have to forbid you smoking, drinking and staying out inte nights. Fatient-Oh, doctor, be originail My wife's done that already .--Boston Transcript.

Home Cooking and Neat Clean Service.

Meals served at all hours for transcient guests. Special attention given to automobile, stage and all through passengers as well as local.

Culver Junction is 55 miles on from Shaniko at the Hill and Harriman railroad junction and on the most direct and best automobile road between Madras and Bend.

Stop and dine with us and watch this new railroad town grow

Mrs. M. H. Fosdick, Prop. Culver Junction, Oregon. 10.21A Whole Section 150 acres in billyation 640 Ac acres ca be put in grain: to prings suf-

\$12.50 per Acre for 10 days M. E. BRINK, Prineville, Oregon

\*\*\*\*\* Drop in and See

# Champ Smith

DEALER IN Soft Drinks

of all kinds

Imported and Domestic

Cigars

At the old Smith & Cleek The first day of September, between Dave and John Grimes. Call at this office. 10-29-3w stand, Main street, two doors south First National Bank

VVVCAAA.

Hillman, Oregon.