

BUTTER FROM WHEY.

It Is Nothing More Than a Mixture of Fat and Caseine.

"Can butter be made from whey, and, if so, how?" asks a subscriber. Something that is called butter has been made from whey, but it is a mixture of fat and caseine. Besides, it is a good deal of work for a small product. The following is the method: After separating the whey from the curd place it in a tin vat and add a liquid acid, the vat with copper bottom and tin sides, about 12 feet long, 3 feet wide and 20 inches deep, or about these proportions; set over a brick arch; one gallon of the whey of fifty gallons of milk, if the whey is sweet, but less quantity if changed. Then bring it to a heat of 210 degrees. When the cream rises and is skimmed off and placed in a cool place it will stand till next day. Then churn at a temperature of 56 to 68 degrees, depending on the weather; work and salt as usual. It will produce about one pound of butter from the whey of 150 pounds of milk. The acid is made by taking any quantity of whey at boiling heat after the cream is extracted, adding one gallon of strictly sour whey, when all the caseine remaining in the whey is collected together in one mass and is skimmed off. After the whey is allowed to stand from twenty-four to forty-eight hours it is ready for use as acid. This process is repeated as often as necessity requires.—Farmers' Voice.

TORTURED BY THE SIOUX.

A Scout Tells How He Was Initiated Into Sitting Bull's Tribe.

Frank Grouard, the Indian scout, was captured, says the St. Louis Globe-Democrat, by Sitting Bull and a small band of followers when nineteen years old, and remained with the Indians during the next six years, a greater portion of the time in the camp of Sitting Bull, through whose influence he was saved from torture and death. "From the time of my capture and up to 1872," he said, "I was not required to undergo any of the self-inflicted tortures of the Sioux, but after I became one of them, to all intents and purposes, I knew what to expect. While we were camped where Glendive, Mont., now stands the whole tribe gathered one day about and I was informed that I was to be put to the test. All the Indians gathered around, taking positions where they could watch my face. Sitting Bull, No Neck, Gall, Four Horns, Little Assiniboina and other head men of the tribe sat near me smoking their pipes. Four warriors squatted on each side of me, and with needles raised up the flesh between the shoulder and elbow on each arm and cut out pieces the size of a pea, taking four hundred and eighty pieces out of each arm. The skin and flesh were taken off in five rows on each arm. It was not painful at first, but before they were through there was a stream of agony pouring from my arms to my heart that was almost unbearable. I did not open my lips or make a sound while they were torturing me, although the operation lasted four hours. The next time I was tortured all my eyebrows and eyelashes were pulled out. After that I went through the tortures as stoically as the Indians themselves, even including the tortures of the sun dance, where horsehair ropes were tied in the muscles of the breast and back and torn out by sheer force."

The Fruit Grower's Market.

The home is, after all, the best market for the American fruit grower. Farmers and even orchardists have too little of small fruit on their tables. Half a bushel of fruit per day the year round can be profitably disposed of by the average family. A Connecticut farmer kept an account of the small fruit grown on half an acre of ground and used by his family last year. He charged the family with the fruit at market rates and found it amounted to \$65, or more than \$700 per acre. Such small fruit culture pays, not only in the money value of the product, but in the healthful outdoor habits of life which it encourages, and the hundred other ways in which a garden ministers to mental and physical health.—Michigan Horticultural Report.

A DRAMATIST'S WIT.

He Was Perfectly at Home with His Interrogator.

When Colman, the English dramatist, was examined before the committee of the house of commons, which sat on the theatrical question, he was asked whether he expunged all oaths or profane swearing from the plays submitted to his revision. He answered: "Invariably." "Did you ever count the number of oaths in your own comedies of the 'Heir at Law' and 'John Bull'?" "Never; but I dare say there are a great many." "Which you disapprove of?" "Undoubtedly." "Do you not think it would have been better to have omitted them?" "Much better. They disfigure the scenes in which they are introduced, and injure the humor." "Then," concluded the chairman, thinking to clinch the argument, "you are sorry now that you wrote either of those comedies?" "Quite the contrary," rejoined the licensee; "I rejoice exceedingly to have made a good pudding, although I regret that any had plums should have crept into it."

Immigration.
F. J. O'BRIEN,
TERRITORIAL
IMMIGRATION COMMISSIONER
Information Furnished Upon the
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Phoenix, Arizona.

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FITS FOR A KING.

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Commencing April 11, 1895, trains will leave Maricopa as follows:

2:40 P. M. DAILY SUNSET EX- PRESS for points in California, Nevada, Oregon and Washington.

9:30 A. M. DAILY MIXED TRAIN FOR Tucson, Benson, Lordsburg, Deming, El Paso and intermediate stations.

4:40 P. M. DAILY MIXED TRAIN FOR Yuma and intermediate stations.

5:35 P. M. DAILY MIXED TRAIN for El Paso and all way stations.

11:50 P. M. DAILY NEW ORLEANS EXPRESS for Tucson, Benson, Deming, El Paso, San Antonio, Houston and New Orleans.

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TIME TABLE NO. 10,
TAKING EFFECT MARCH 14, 1895.
Mountain Time is standard used.

No. 121	No. 103	STATIONS.	No. 104	No. 124
7:35 a.	3:05 p.	lv. Ash Fork, Ar.	12:45 p.	6:30 p.
8:40	3:55	Rock Butte.	11:55	5:30
9:05	4:15	Cedar Glade.	11:30	4:55
9:40	4:45	Del Rio.	11:00	4:15
10:40	5:00	Jerome Junction.	10:40	3:30
7:30	6:00	Prescott.	9:55	2:20
8:10	6:23	Iron Springs.	9:17	5:00
9:35	7:07	Skull Valley.	8:30	3:45
10:00	7:57	Kirkland.	7:45	2:50
10:55	8:29	Grand View.	7:25	2:35
10:55	8:35	Hillside.	7:10	2:00
11:20	8:57	Cottonwood.	6:45	1:25
11:45	9:15	Martinez.	6:30	1:00
1:00	9:30	Congress.	6:15	12:35
1:20	9:43	Harqua Hala.	5:55	11:30
1:50	10:05	Wickenburg.	5:35	10:55
2:25	10:30	Vulture.	5:10	10:15
2:45	10:45	Hot Springs Junction.	4:55	9:50
3:20	11:10	Beardsley.	4:30	9:10
3:45	11:27	Marinett.	4:13	8:40
4:00	11:35	Peoria.	4:05	8:30
4:20	11:45	Glendale.	3:55	8:10
4:35	11:53	Hesperia.	3:47	7:55
4:40	11:55	Alhambra.	3:45	7:50
5:00 p.	12:10 a.	Ar. Phoenix, Lv.	3:30 a.	7:30 a.

Trains 103 and 104 carry Pullman combination sleeper and chair cars. Connections at Ash Fork with Atlantic & Pacific and the entire Santa Fe system; at Jerome Junction with the United Verde & Pacific railway; at Prescott with stage lines for principal mining camps; at Congress with stage lines for Harqua Hala, Station and Yarnell; at Phoenix with Maricopa & Phoenix Ry. for points on S. P. R. R.; This is

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