ABOUT MILK AND BUTTER

BEGIN PREPARATIONS NOW FOR WINTER DAIRYING.

It Is Easier to Keep a Dairy Warm in Winter Than Cool in Summer—Things Essential to Success—Cost Is Less Expensive Than Ice—Temperature.

Henry Stewart gives suggestions in The American Agriculturist about how to prepare for the more profitable winter dairying. Preparations should be made well ahead. Mr. Stewart says:

It is easier to keep a dairy warm in the winter by artificial heat from a stove than it is to cool it in the summer by means of ice. One pound of ice will cool only ten pounds of milk 14 degs., and when ice is one cent per pound ten pounds of milk cost one cent for the cooling of it. But one pound of coal will produce more than 500 times as much heat as the ice produces cold, so to speak, for it will evaporate 8½ pounds of water requiring 966 units of heat, so that one pound of coal will produce an equivalent of heat equal to 966lb., against 142 of cold produced by the melting of ice. The very great economy of heat used in the winter as compared with the use of ice for cooling in the summer is thus remarkably apparent.

What are wanted for the pursuits of winter dairying are the fresh cows to calve in September, a small group of dairy hens and a warm barn. No artificial warmth is necessary in the barn. Warm water, also, is not required for the very best economical results. If the space is not excessive and fed cows will keep the air warm enough by radiation of heat to prevent freezing in the stable, except in the very coldest weather. A barn built on the same plan as a dwelling house, lined inside with close fitting boards, with tarred roofing paper under it, a ceiled floor overhead for hay and fodder, well fitting windows and doors and a double airpipe, floor over a cellar having stone walls laid in mortar, and close doors and windows, will be warm enough for every requirement of comfort and economy.

A light, dry cellar, with a frost basement under the dwelling, makes an excellent winter dairy. I have used such a dairy with much satisfaction for several years. The cellar windows were double, and the door leading to the basement, if opened during a part of the day to admit warm air from the stove, would afford all the heat necessary to keep the temperature up to 65 degs. and never lower than 60 in the coldest of a New Jersey winter. The basement served for a warming room, and having weather stripped double windows and a stripped door, contained sufficient heat without a fire during the nights. Then the cost of the necessary warmth was not one-tenth that of ice used through the summer.

More Milk Tests.

Bulletin No. 12, of the Pennsylvania Agricultural Experimental station deals extensively with the method now in use for determining the amount of fat in milk. The purchase of milk upon analysis is advocated. In Germany cattle foods are fixed in value by chemical tests. There is a great need of a simple milk test, and the centrifugal methods have proved to be unfit for the purpose intended. The chemical test, until recently, has been the only one within the reach of the farmer, and this is out of the question as milk is handled today. The various methods, as Short's and Cochran's, are fully considered, and tables of results with them given.

The Babcock method is given in detail, and the pieces of apparatus figured and the chemicals required in the process mentioned, followed by full directions for the analysis and methods for a rapid computation of the results. The effects of time, temperature and other conditions are considered. In like manner the apparatus for the Cochran method is illustrated, the chemicals and the manner of conducting the tests. Under instructions there are given a number of examples by which the reader can become familiar with the computations recommended. Thus, it is intended to pay a certain price per hundred for milk or cream of average quality. Then follows the data. Several pages of the bulletin are occupied with tables of prices of milk per hundred pounds for every tenth per cent. of fat from 3 to 6 per cent. The same for cream.

Notes.

Professor G. Curtis, of the Texas Experiment station, made butter from sweet and sour cream and submitted it, unmarked, to experts in Wisconsin, Illinois and New York. Without knowing the sweet from the sour samples they marked the sweet cream samples the highest. It is claimed that after a time sweet cream butter begins to taste the same as butter made from sour cream.

The Canadian government has decided to make a grant of money for the establishment of dairy schools throughout the dominion.

The profits of winter dairying are double those of summer dairying.

Those who do not like butter made from sweet cream are informed that if the sweet cream butter is kept forty-eight hours it will be ripened to the perfect flavor of butter made from sour cream. In this case it is the butter that is ripened instead of previously ripening the cream. The sweet cream butter seems to be cured in a manner similar to the curing of cheese.

To be a thoroughly successful dairyman a man must know both how to breed and to select good stock. Whoever there is a great variation in the financial reports from different dairymen in the same locality the variation comes from differences of brains and energy in the dairymen.

In fly time be sure and place a screen over your cheese vats. Monster, you will not find maggots in cheese that has a perfect rind. It is in the crevices and cracks in places in the rind that the skipper fly lays her eggs.

Among the old recipients that I am aware of, equal to an inspection of prices, which I need not mention, serving for private impressions, piano tuning, sheet music, typewriting and serving on school boards.

For healing, a lobster is a very great curiosity. It is simply a performed implement with handles, on which the fish is put into and taken from the kettle, and from which it can be easily slipped to a platter.

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TIME TABLE

In Effect April 1st, 1891.

Passenger Trains will Run Daily, between Salt Lake and Park City, as Follows:

SALT LAKE CITY.

PARK CITY.

SUBURBAN PASSENGER TRAINS

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CURRENT TIME TABLE, APRIL 5, 1891.

East Bound Trains.	No. 1. Atlantic Mail.	No. 3. Atlantic Express.
Lv. Ogden	4.30 a.m.	4.45 p.m.
Ar. Salt Lake	8.00 a.m.	8.05 p.m.
Lv. Salt Lake	8.05 a.m.	8.15 p.m.
Ar. Provo	11.10 a.m.	11.00 p.m.
Lv. Provo	11.20 a.m.	11.10 p.m.
Ar. Thistle	1.55 p.m.	1.45 a.m.
Ar. Green River	5.30 p.m.	5.30 a.m.
Ar. Grand Junction	9.30 p.m.	9.30 a.m.
Ar. Glenwood Springs	1.30 a.m.	1.45 a.m.
Ar. Leadville	5.25 a.m.	7.00 a.m.
Ar. Pueblo	8.50 a.m.	9.45 a.m.
Ar. Col. Springs	9.45 a.m.	10.45 a.m.
Ar. Denver, Col. Mid.	10.55 a.m.	1.00 p.m.

West Bound Trains.	No. 2. Pacific Mail.	No. 4. Pacific Express.
Lv. Denver	5.00 p.m.	9.00 a.m.
Lv. Col. Springs	6.15 p.m.	10.20 a.m.
Lv. Pueblo	7.20 p.m.	11.20 a.m.
Lv. Leadville	9.30 a.m.	4.00 p.m.
Lv. Glenwood Springs	1.00 a.m.	8.00 a.m.
Lv. Grand Junction	4.00 a.m.	1.00 p.m.
Lv. Green River	9.30 a.m.	5.15 p.m.
Lv. Thistle	3.30 a.m.	9.00 p.m.
Lv. Provo	5.15 a.m.	10.50 p.m.
Lv. Salt Lake	8.45 a.m.	1.40 a.m.
Ar. Ogden	9.00 a.m.	2.00 a.m.

LOCAL TRAINS.

SALT LAKE AND OGDEN.

Leave Salt Lake 7.30 a.m. and 5.15 p.m., arrive Ogden 11.00 a.m. and 9.00 p.m.

Leave Ogden 8.00 a.m. and 5.45 p.m., arrive Salt Lake 11.30 a.m. and 9.00 p.m.

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350 " Indian Dimity	at 15	" " "		25
700 " Scotch Zephyr	at 12½	" " "		20
400 " All-Wool Bunting	at 15	" " "		40
450 " Fast Calicoes	at 15	" " "	25 to	35
400 " " "	at 5	" " "	20 to	25
1 lot Men's and Boys' Straw Hats	at 25 to 50	each	"	75 to $1.00
1 lot Children's Caps	at 35	"	"	65 to 1.50
1 lot Children's Wool Hose	at 15	per pr.	"	35
1 lot Ladies' Wool Hose	at 20	per pr.	worth	40
1 lot Dress Buttons	at 15	per doz.	" 25 to	75
50 pairs Homewoods Blankets at $4.00 per pair.				
1 lot Gimp Dress Trimming	at 25	per yd.	" 40 to	65
25 dozen Ladies' Ribbriggan Vests	at 25	each	"	60
10 " " " "	at 15	"	"	40
5 " " " "	at 40	"	"	75
1 lot Misses' and Children's "	at 15 to 25	"	" 30 to	60
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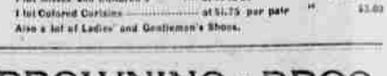

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