

Highest of all in Leavening Power.—U. S. Gov't Report, Aug. 17, 1889.

Royal Baking Powder

ABSOLUTELY PURE

POINTS ABOUT TIME.

VARIATIONS AND THE CAUSES WHICH PRODUCE THEM.

The Earth's Revolutions on its Axis, Together with its Journey Around the Sun, are the Disturbing Factors—No Watch is Perfectly Reliable.

If there is one single scientific problem upon which more than another people appear to get mixed that problem is time. Standard time, local time, sun time are exceedingly difficult problems for the public to puzzle over, and when sidereal time enters the calculation the case is hopeless indeed. I have frequently of late seen so many letters addressed to this and other journals, all touching upon one or the other of these chronological questions, that I have concluded a short note explaining the main points of difference would be, at any rate, timely. When the bird cage, two satchels and three shoe boxes of luncheon had been properly stowed away, the two ladies sat down in unison, much as if pulled on one string.

A LITTLE FAMILY DIFFERENCE.

Two Old Ladies Differed Over a Small Matter, but the Elder Won.

Up on the Delaware and Hudson railroad the other day two nervous old ladies climbed on board the south bound train at Crown Point. They were of the same height, looked much alike and both of them wore gossamer rubber cloaks—possibly under the vague impression that cinchers milder. They fluttered into a seat near the door, evidently prepared for a long journey. When the bird cage, two satchels and three shoe boxes of luncheon had been properly stowed away, the two ladies sat down in unison, much as if pulled on one string.

Beyond a vigorous attack on the luncheon an hour later, they quietly devoted their attention to the scenery until Albany was reached in the late afternoon. That being the terminus of the road, the passengers started for the car door as the train stopped, but there seemed to be a blockade of some sort on the platform. It wasn't just exactly a blockade; it was the two old ladies from Crown Point.

Equipped with satchels, the bird cage and the luncheon (now reduced to one shoe box), they had led the procession to the door, but had succeeded in getting no farther, as the train had run into the station on a middle track, and they could not agree on which side of the car to get off.

"I tell you, Janet," said the old lady with the bird cage, with much dignity, "that this is the proper side. It is nearer the depot, and no doubt our train is close by. Come, don't be obstinate, sister," she added persuasively.

"I will not leave the car on that side," declared the other, holding up the shoe box. "Both satchels as if for a barricade, which the impatient crowd within the car thought quite superfluous. 'If you think I am going to career across three tracks,' she continued emphatically, 'in front of moving locomotives, and risk ourselves and that precious bird, then I say, Hannah, you have lost your senses; that's all.'

"You seem to forget that I am older than you, Janet," rejoined the other with offended dignity.

"That may all be, but little good it's done. You would have scandalized the whole family at Cousin Maria Soper's funeral, up at the Corners if I had not insisted."

"Hey!" "What's the matter?" "Shake it up!" "Get off!" came in a chorus from the impatient throng inside.

"Shakes alive!" ejaculated the beligerent Janet, for the first time observing that the crowd in waiting. "Come this way, do come," pleaded the other.

"I won't."

"You must, I insist," cried the elder sister, stepping hastily down to decide the matter. There was no further chance for argument. Already the other passengers were pushing out. So, with a faint cry of annoyance and fright, the second old lady tourist joined the other and the two rubber gossamers began their devious flight across the tracks and before waiting locomotives toward the station. They reached there at length, but it was apparent that something had happened.

"I told you so! I told you so!" almost screamed the younger sister as soon as she could catch her breath.

"You say you dropped it?" asked the other in troubled tones.



LEARNING THE DAIRY BUSINESS.

From an Old Fashioned Dasher Churn to Silos and a Creamery.

Mr. W. H. Gilbert is a prominent New York dairyman, whose place is at Richland, eight miles south of Lake Ontario. His farm is a sandy loam underlaid by gravel, and on this unpromising soil Mr. Gilbert has gradually built a famous dairy farm and creamery. He began in 1870 by loving money. He only kept the farm because he could not sell it. Mention be studied books and dairy papers. His first progress was when he changed old fashioned native cows for Jersey stock. His next was improved methods of churning. Things most worth knowing came to him through losses for want of acquaintance with the better way, and these things he never forgot.

He wanted granulated butter, and learned that by adding water to the cream he could get it. Next he found that it was better to wash buttermilk out of butter than to work it out. He made no money to speak of for several years. But there was this difference between Mr. Gilbert and many who make no money when first going into the dairy or butter business. They give up. He kept on. In a comparatively short time he triumphed. The next great stride forward was when he learned the supreme advantage of silage feed. After that things came easier and faster so that in 1881 up to 1882, he was very and engaged in the butter making business on a large scale. He raises all his own dairy cows, though he also buys milk for the creamery. In 1884 he had on his place ninety-two cows, all of his own rearing.

In explaining his methods to the editor of The Rural New Yorker, Mr. Gilbert said: "I use a Cooley creamer, revolving box churn and Cunningham butter work with corrugated rollers. When the butter is brought into the creamery in winter it once adds to it about 12 per cent of water sufficiently warm to raise the temperature of the cream to 60 degrees. It is at once put in the Cooley creamer and as rapidly as possible cooled with ice down to 40 or 45 degrees. It is skimmed after eleven hours' setting. We milk at 6 a. m. in the year round. I use the Boyd starter to ripen the cream. This is, as you know, made from sweet skim milk. The process of ripening requires twenty-four hours.

When the cream is put into the vat and the starter added I warm it up to 60 degrees, and in 6 days in summer. I use for this purpose a cylindrical pail of tin about four inches in diameter and two feet long. I fill this with hot water and then stir the milk with it, keeping a thermometer in the other hand. When the required temperature is reached I pour the creamed air tight and not allowed to grow lower than 62 degrees. In winter I churn at a temperature of 62 degrees, and in summer at 65 degrees. I use a cylinder for warming the cream for churning. When the glass churn or the butter separates, I stop the churn, open it and raise it down with care. Ladies at a distance through a hair sieve, so as to make it like a spray. I then carefully draw off the buttermilk, which cold water except to cool it to 55 degrees, is added before the churn is again agitated. If disturbed before that temperature is reached it will gather in masses and you cannot wash it clean.

"It is desirable to get all the milky matter, cream, etc., out before the butter is washed. I use repeated washings until the water comes away clear. To work it properly the butter must be raised to about 60 degrees. If it is lower 55 degrees, it will be crumbly, not compact. To get it to the proper temperature in cold weather I use for the last washing water warm enough to bring up the butter. It is then salted. I use from three-quarters of an ounce to an ounce of salt to the pound of butter. I work it but once, when it is put in private packed in tubs right from the butter worker. No mature cow that produces less than 200 pounds of butter annually should be kept on the dairy. I would not discard a young cow that made 200 pounds in her first year, she may do better each succeeding year and at maturity be a valuable dairy animal. My best record was in one year, when I milked eighty cows, which averaged 271 pounds of butter each."

"What do you do with your skim milk and buttermilk?"

"Feed them to calves and pigs. I prefer grade Berkshires for swine. They seem to thrive admirably with me."

"What prices have you realized for your butter?"

"I figured up before going to a dairy meeting the spring of 1892, and found that for the seven or eight preceding years I had received an average of forty cents. It has been a little lower since."

The editor The Rural New Yorker says: "Mr. Gilbert's barn is a long, low building, with only an attic for a mow. He reasoned that with ensilage much less snow room would be needed, and he has found what he has amply large. The drop is covered with a grate, through which the droppings pass into a water tight trench, into which some absorbents are put. At intervals the wagon is driven right around the stalls, and the manure is handled but once from the drop to the wagon, and thence to the fields. Sawdust is used for bedding, and plaster is sprinkled through every day, thus absorbing all the odors and adding to the value of the fertilizer. A swinging stanchion is used in the stables. The lean-to is used for box stalls, for cows about to drop calves and for young stock.

Consumption Cured.

An old physician, retired from practice, having had placed in his hands by an East India missionary the formula of a simple vegetable remedy for the speedy and permanent cure of consumption, bronchitis, asthma, and all throat and lung affections, also a positive and radical cure for nervous debility and all nervous complaints, after having tested its wonderful curative powers in thousands of cases, has felt it his duty to make it known to his suffering fellow-men. Actuated by this motive and a desire to relieve human suffering, I will send free of charge, to all who desire it, this receipt, in German, French, or English, with full directions for preparing and using. Sent by mail by addressing with stamp, naming this paper, W. A. NOYES, 820 Powers' Block, Rochester, N. Y.

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