



THE DAIRY

A TEN-YEAR RECORD.

able Points for the Dairy Farmer suggested by Nebraska Station.

October, 1896, the dairy herd of Nebraska experiment station was established for the purpose of supplying milk and cream to the class room also to furnish animals which could be used in various practical experiments. The herd was started with ten animals and increased to 27. During the ten years, 160 complete yearly records were recorded. The breeds of the herd were principally Jerseys and Holsteins, with some Shorthorns and a few grades of various breeds. All records were carefully kept from day to day during the ten years and all the records were compiled. The 160 records show an average of 6,513.2 pounds of milk, and 332.66 pounds of butter per cow per year. This average made by a number of different breeds covering a period of ten years gives a reliable basis for figuring.

The conclusions deducted from the data are as follows:
As a rule, short lactation periods result in a high per cent. of fat, while long periods give a lower per cent. of fat.

A large flow of milk is generally associated with a low per cent. of fat, while a small flow gives a higher test. It was found, however, that the amount of butter fat did not vary as much as the milk flow or the per cent. of fat. In most cases heifers, with their first calf did not show as high a test as they did at a more mature age.

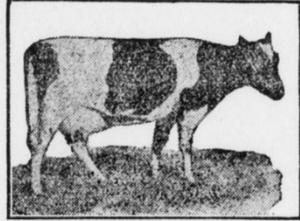
The per cent. of butter fat did not seem to be changed by the food ration given.

In order to know the value of a dairy herd and its members, it is necessary to keep a milk and butter fat record of each cow from year to year. Such a record will show variation in the value of the animals and will serve as a guide in building up the herd.

The cows varied from year to year in their butter fat production. The good cows were inclined to give large yields year after year, while the poor ones were in nearly all cases low.

It was found that, as a rule, the variation in milk flow in individual cows from year to year was due to length of lactation and rest before freshening. A long lactation period favors a larger milk production; also, a long period of rest before freshening brings the same result.

The years 1905 and 1906 were used to found the data of this experiment, and special care was taken to record



Katy Holstein. Record for 1906: 18,573.4 Pounds Milk, 620.44 Pounds Butter Fat, 723.85 Pounds Butter in 365 Days.

accurately all data concerning the amount of feed consumed by the cows. The principal feeds given were as follows: For roughage, alfalfa hay, corn silage and pasture; for concentrates, corn, bran, oats and linseed-meal. The prices charged for the foods were based on the average market price during the time they were fed. The butter fat produced was credited to the cows at the market value, based on prices paid by the creameries of the state.

The conclusions from this test are as follows:

The amount of milk and butter fat produced depends upon the dairy capacity of the animal and the amount and quality of the ration used.

Cows vary in their cost of keep, also in their ability to use economically the food consumed.

Cows of a decided dairy type will return the greatest profit when fed to their full capacity.

The average cost of feeding a dairy cow, as shown by these records, is about \$30 per year, and the total value of butter fat is about \$70, leaving an average of about \$40 for labor and profit, in addition to the value of the skim-milk and the value of the calf.

It is fair to state that the calf, skim-milk and manure will balance the labor required to care for the cow, and the net earnings per cow would therefore be \$40 per year.

DAIRY NOTES.

By proper management of the feed an even flow of milk can be secured from most cows.

England is in the market for large quantities of American butter, and this demand may result in higher prices.

Cows know almost to the minute when feeding time comes and they should not be kept waiting long.

No matter what the market is the maker of good, reliable butter can always find ready sale at better than quotations.

Have you ever tried a winter rye pasture for the cows? It is well worth while to do so. Then you will need very little butter color preparation.

PERFECT HEALTH.

After Years of Backache, Dizziness and Kidney Disorders.

Mrs. R. C. Richmond, of Northwood, Iowa, says: "For years I was a martyr to kidney trouble, backache, dizzy spells, headaches and a terrible bearing-down pain. I used one remedy after another without benefit. Finally I used a box of Doan's Kidney Pills and the backache ceased. Encouraged, I kept on, and by the time I had used three boxes not a sign of the trouble remained. My health is perfect."

Sold by all dealers. 50 cents a box. Foster-Milburn Co., Buffalo, N. Y.

A MERE CIPHER.



Bertha—Bertie, you are simply impossible.
Bertie—Nothing is impossible.
Bertha—That's what I said.

BOY KEPT SCRATCHING.

Eczema Lasted 7 Years—Face Was All Raw—Skin Specialists Failed, But Cuticura Effected Cure.

"When my little boy was six weeks old an eruption broke out on his face. I took him to a doctor, but his face kept on getting worse until it got so bad that no one could look at him. His whole face was one crust and must have been very painful. He scratched day and night until his face was raw. Then I took him to all the best specialists in skin diseases but they could not do much for him. The eczema got on his arms and legs and we could not get a night's sleep in months. I got a set of Cuticura Remedies and he felt relieved the first time I used them. I gave the Cuticura Remedies a good trial and gradually the eczema healed all up. He is now seven years old and I think the trouble will never return. Mrs. John G. Klumpp, 80 Niagara St., Newark, N. J., Oct. 17 and 22, 1907."

SEEMED A TRIFLE PERSONAL.

Clergyman's Particular Reason for Omitting the Fifth Verse.

A clergyman in an interior town married a woman from whom he received a dowry of \$10,000 and a prospect of more. Shortly afterwards, while occupying the pulpit, he gave out a hymn, read the first verse and proceeded to read the fifth, commencing:

"Forever let my grateful heart,
His boundless grace adore,
Which gives ten thousand blessings now
And bids me hope for more."

Not Guilty.

Willie is a little boy who is noted in his neighborhood for his cruelty to animals. The latest story is that just for fun he took a pair of scissors and cold-bloodedly cut off a kitten's tail. One of the older girls was reproaching him for his cruelty and telling him what a wicked thing he had done. He flatly denied doing anything of the sort.

"Why, Willie, how can you tell such a story?" the girl asked. "Everybody knows you did it."

"I did not! I did not," he reiterated when pressed further. "I didn't do any such a thing. It wath a dog."

EAGER TO WORK

Health Regained by Right Food.

The average healthy man or woman is usually eager to be busy at some useful task or employment.

But let dyspepsia or indigestion get hold of one, and all endeavor becomes a burden.

"A year ago, after recovering from an operation," writes a Mich. lady, "my stomach and nerves began to give me much trouble."

"At times my appetite was voracious, but when indulged, indigestion followed. Other times I had no appetite whatever. The food I took did not nourish me, and I grew weaker than ever."

"I lost interest in everything, and wanted to be alone. I had always had good nerves, but now the merest trifle would upset me and bring on a violent headache. Walking across the room was an effort and prescribed exercise was out of the question."

"I had seen Grape-Nuts advertised, but did not believe what I read, at the time. At last when it seemed as if I were literally starving, I began to eat Grape-Nuts."

"I had not been able to work for a year, but now after two months on Grape-Nuts I am eager to be at work again. My stomach gives me no trouble now, my nerves are steady as ever, and interest in life and ambition have come back with the return to health."

"There's a Reason."
Name given by Postum Co., Battle Creek, Mich. Read "The Road to Wellville," in pkgs.

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.

EXCELLENT WEATHER AND MAGNIFICENT CROPS

REPORTS FROM WESTERN CANADA ARE VERY ENCOURAGING.

A correspondent writes the Winnipeg (Man.) Free Press: "The Pincher Creek district, (Southern Alberta), the original home of fall wheat, where it has been grown without failure, dry seasons and wet, for about 25 years, is excelling itself this year. The yield and quality are both phenomenal, as has been the weather for its harvesting. Forty bushels is a common yield, and many fields go up to 50, 60 and over, and most of it No. 1 Northern. Even last year, which was less favorable, similar yields were in some cases obtained, but owing to the season the quality was not so good. It is probably safe to say that the average yield from the Old Man's River to the boundary will be 47 or 48 bushels per acre, and mostly No. 1 Northern. One man has just made a net profit from his crop of \$19.55 per acre, or little less than the selling price of land. Land here is too cheap at present, when a crop or two will pay for it, and a failure almost unknown. Nor is the district dependent on wheat, all other crops do well, also stock and dairying, and there is a large market at the doors in the mining towns up the Crow's Nest Pass, and in British Columbia, for the abundant hay of the district, and poultry, pork, and garden truck. Coal is near and cheap. Jim Hill has an eye on its advantages, and has invested here, and is bringing the Great Northern Railroad soon, when other lines will follow."

The wheat, oat and barley crop in other parts of Western Canada show splendid yields and will make the farmers of that country (and many of them are Americans) rich. The Canadian Government Agent for this district advises us that he will be pleased to give information to all who desire it about the new land regulations by which a settler may now secure 160 acres in addition to his 160 homestead acres, at \$3.00 an acre, and also how to reach these lands into which railways are being extended. It might be interesting to read what is said of that country by the Editor of the Marshall (Minn.) News-Messenger, who made a trip through portions of it in July, 1908. "Passing through more than three thousand miles of Western Canada's agricultural lands, touring the northern and southern farming belts of the Provinces of Manitoba, Saskatchewan and Alberta, with numerous drives through the great grain fields, we were made to realize not only the magnificence of the crops, but the magnitude, in measures, of the vast territory opening, and to be opened to farming immigration. There are hundreds of thousands of farmers there, and millions of acres under cultivation, but there is room for millions more, and other millions of acreage available. We could see in Western Canada in soil, product, topography or climate, little that is different from Minnesota, and with meeting at every point many business men and farmers who went there from this state, it was difficult to realize one was beyond the boundary of the country."

A RUNNER-UP.



Mr. Asker—Do you find your new auto a good climber, Harry?
Harry—Well, it's not a speed marvel when it comes to running up hills, but say, old man, you just ought to see it run up a bill.

Would Risk One More Bottle.

A Frenchman from the provinces who was paying a prolonged visit to Paris found his hair was leaving him at the top of his head, and took his barber to task about it. "You sold me two bottles of stuff to make the hair grow." "It is very strange it won't grow again," said the modern Figaro; "I can't understand it." "Look here!" said the countryman. "I don't mind drinking another bottle, but this must be the last!"—Philadelphia Inquirer.

How's This?

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.
F. J. CHENEY & CO., Toledo, O.
We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by his firm.
WALSH, KINNAN & MARVIN,
Wholesale Druggists, Toledo, O.
Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Testimonials sent free. Price 75 cents per bottle. Sold by all Druggists.
Take Hall's Family Pills for constipation.

By the Hurricane Route.

"He's long wanted to leave the country," says a Billville exchange, "but he never could afford the railroad fare, but just as he had given up all hope a hurricane came along and gave him and his house free transportation. It was providential and he pulled through at last."—Atlanta Constitution.

Important to Mothers.

Examine carefully every bottle of CASTORIA a safe and sure remedy for infants and children, and see that it bears the Signature of *Wm. A. Ritchie* In Use For Over 30 Years. The Kind You Have Always Bought.

A Piercing Motive.

"That farmer's wife certainly does stick her boarders."
"Very likely; it's her pin money."—Baltimore American.

The General Demand

of the Well-Informed of the World has always been for a simple, pleasant and efficient liquid laxative remedy of known value; a laxative which physicians could sanction for family use because its component parts are known to them to be wholesome and truly beneficial in effect, acceptable to the system and gentle, yet prompt, in action.

In supplying that demand with its excellent combination of Syrup of Figs and Elixir of Senna, the California Fig Syrup Co. proceeds along ethical lines and relies on the merits of the laxative for its remarkable success.

That is one of many reasons why Syrup of Figs and Elixir of Senna is given the preference by the Well-Informed. To get its beneficial effects always buy the genuine—manufactured by the California Fig Syrup Co., only, and for sale by all leading druggists. Price fifty cents per bottle.

TOO MUCH FOR YANKEE.

English Munchausen Had Shaded the Better of Fellow Romancer.

The Cape Cod man and the Londoner were traveling on the same train together from Liverpool to the capital.

"Yes," said the Yankee, "we do have considerable fog out our way. I've seen it so thick that the landladies of our summer boardin' houses could ladle it out and use it instead o' whipped egg for the heavy part of the floatin' island."

"We 'ave 'em, too, in London," said his traveling companion, "but our climate is too dirty to permit of our eatin' it. We burn so much soft coal, you see, the fog gets packed full of soot. The only thing we really can do with it is to cut it up into blocks and use it instead of peat when we want a quick fire."

And the Yankee took out the little American flag he wore in his button-hole and put it away in his wallet.—Judge.

AFTER THE SHOT.



Robbie Rabbit—Never in all my life has such shocking language been used in my presence as that boy has used in the last three minutes. Oooh!

All the Fault of the Cow.

A South side woman went to a butcher shop the other day to get a roast of beef. The butcher is a little old man, inclined to be cranky. He began to cut the roast. She thought he was sawing off too much bone.

"That roast will have too much bone in it, I fear," she said.
The butcher stopped and sighed.
"Madam," he said, "that's the cow's fault. These cows would be in awful shape if they had to run around without bones."

The woman said no more.—Denver Post.

Bone of Contentment.

"Death usually heals all family differences," said the old-fashioned philosopher.
"Yes," replied the shrewd observer, "but usually the reading of the will separates them again."—Detroit Free Press.

LAUGH WAS ON THE DEACON.

Statement Might Be True, But Certainly Was Unhappily Expressed.

"I regret to say," remarked Deacon French, at the last meeting of the Squashville Political Debate club, "that this club has been degenerating ever since I became a member of it."

The deacon paused and flushed as he saw a slight smile on the faces of his fellow members.

"What I mean to say is," he continued, with some haste, "that ever since I joined this club I've noticed a gradual but decided change for the worse."

The smile on the faces of the other members deepened, and the deacon's face turned almost scarlet.

"You all know what I mean," he added, desperately. "What I mean is that from the very minute I became a member of the Squashville Political Debate club, I could see that it was beginning to lose its value as an organization, and the longer I have stayed in it, the more steadily have I seen it running down hill!"—Lippincott's.

FOR THE LADY OR THE AUTO.



Expressman—I don't know whether this comes here. The address is indistinct.

Housemaid—I guess it's all right. It's either a new tire for the auto, or a new hat for the missus!

His Epitaph.

"I have just one request," said the dying man to his relatives.

"What is it?" they asked him earnestly. "We will grant you anything."

"Well," replied the man, feebly, "I want you to have carved upon my monument these words: 'Here lies a man who worked for his living.'"

Realizing that he had forestalled any attempt on the part of his rich relations to brag too much about their family connections, he sank into a sweet sleep.

Strong Winds and Sand Storms cause granulation of the eyelids. PETTIT'S EYE SALVE soothes and quickly relieves. All druggists or Howard Bros., Buffalo, N. Y.

Advocates of corporal punishment evidently believe that an occasional spanking makes children smart.

Mrs. Winslow's Soothing Syrup. For children teething, softens the gums, reduces inflammation, allays pain, cures wind colic. 25c a bottle.

The actions of a dumb man speak louder than his words.

Those Tired, Aching Feet of Yours need Allen's Foot-Paste. See at your Druggist's. Write A. S. Gimsted, Le Roy, N. Y., for sample.

When a man is short he usually has a long face.

Walk home in almost any new shoes—They start comfortable. With every few steps they lose comfort. Try a pair of smart White House Shoes. Walk home, or anywhere—they start comfortable. Continue comfortable—end comfortable—stay graceful.

WHITE HOUSE SHOES.
FOR MEN, \$3.50, \$4.00, \$5.00 and \$6.00.
FOR WOMEN, \$3.50, \$4.00 and \$5.00.
Buster Brown Blue Ribbon Shoes for youngsters. Ask your dealer for them.

THE BROWN SHOE CO., Makers
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FOUR GIRLS

Restored to Health by Lydia E. Pinkham's Vegetable Compound.



FACTS FOR SICK WOMEN.

For thirty years Lydia E. Pinkham's Vegetable Compound, made from roots and herbs, has been the standard remedy for female ills, and has positively cured thousands of women who have been troubled with displacements, inflammation, ulceration, fibroid tumors, irregularities, periodic pains, backache, that bearing-down feeling, flatulency, indigestion, dizziness, nervous prostration, etc.

Mrs. Pinkham invites all sick women to write her for advice. She has guided thousands to health. Address, Lynn, Mass.

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Thompson's Eye Water

If afflicted with sore eyes, use it.

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easiest to work with and starches clothes nicest.

A. N. K.—C (1908—46) 2256.

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Pullman Drawing Room Sleeping Cars, Pullman Tourist Sleeping Cars, Free Reclining Chair Cars, Coaches and Dining Cars.

Let me send you books fully describing Portland, the Northwest and the train service via

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