DAIRY

Clean and Dirty Milk.

From the Farmers' Review: Many dairymen apparently fail to recognize the fact that when milking and caring for milk they are handling human food and that it should be treated as such. In many dairies the milker goes to his task with soiled hands and dust-laden clothing and without so much as brushing the loose dust and dirt from the cow. Under such conditions much filth must of necessity find its way into the milk. No other food is produced in such filthy surroundings as is frequently the case with milk and no other food will absorb odors so readily and become tainted so quickly as will milk. It is, therefore, doubly important that great care be exercised to have milk produced under the most sanitary conditions possible. One can judge something of the amount of filth in milk by the sediment found at the bottom, but only a small part of the contamination is in visible form. Milk sours because of the presence of certain kinds of bacteria, which, acting upon the sugar of the milk, change it into lactic acid. Other organisms cause different changes, some offensive to taste and smell and a few dangerous to health. These bacteria are living organisms, though so extremely minute that 250 of them placed side by side are equal only to the thickness of ordinary writing paper. While thorough straining will remove all visible filth the greater part of it is in solution which, of course, will pass through even the best of strainers. Milk in the udder of a healthy cow is both pure and sterile, and if it could be drawn and handled without contamination would remain sweet and wholesome for an indefinite length of time. However, bacteria accumulate and multiply in such places as mud holes, manure heaps, seams of utensils not thoroughly cleansed, or where animal or vegetable matter not living is exposed to warmth and moisture. They are present in dirt and dust of every description, and because of their great numbers and their wide diffusion no practical method has yet been devised by which milk may be drawn absolutely free from contamination with living germs. Yet they are unnecessarily numerous in milk as ordinarily drawn, because it contains a thousand times more bacteria than that which may be obtained by using extreme care in regard to cleanliness. Hence the necessity for keeping everything about a dairy scrupulously clean, particularly in hot weather when conditions are especially favorable to bacterial growth. Clean milk will not only remain sweet longer, but as everyone knows is a more wholesome food. If it were more fully realized that milk is a food and not simply a commercial commodity it would seem that dairymen would not allow so much filth to get into it.—W. J. Fraser, University of Illinois.

Intelligence in Dairying.

In an address to dairymen, Prof. C. E. Marshall of Michigan said:

The producers of milk in general are not sufficiently acquainted with milk itself and with those agents which tend to influence milk. They, therefore, are not intelligently posted in those methods which will produce a satisfactory milk. Also they are claiming that the consumers will not pay for the extra labor entailed in the production of a first grade milk. Farther, too, there is too little comprehensive knowledge of the methods used in the manufacture of milk products. You may chide me for making these remarks, but in general I am right in saying that they are true. You know that every farmer cannot produce milk at a profit. You know that one farmer will make 6 to 8 per cent on his investment while his neighbor, living practically under the same conditions, will lose as much or even more. What is the difference? One is an intelligent dairyman and the other is not. One is an expert and the other is not. No matter where you go or what profession you examine, this same condition exists. It is the man who knows, who has the energy to push his knowledge. So I believe that he who is able to know dairying from A to Z will be the man who will succeed in dairying. He may be depended upon to develop dairy science and dairy art, for he will appreciate the value of it and the relation of such to his work. I do not believe that it is worth while to try to educate a man who is opposed to that education, whether it is in college or whether that education comes through self study. The best way to cure a balky horse is to get rid of him. Time is too valuable to spend in efforts to correct him.

Cost of a Pound of Beef.

One who has followed carefully the feeding experiments cannot but be impressed with the great variation in the amount of feed required to produce a pound of beef, says Professor Frederick B. Mumford. I have given this somewhat careful study, and I have found that the number of pounds of grain required to produce a pound of gain at the different stations has varied from two pounds to fifteen pounds. Even when the same grain ration is used the variations in the amount of grain required to produce a pound of gain are very great. In one experiment at the Missouri experiment station, where corn was the principal grain ration, three pounds of corn were sufficient to produce one pound of gain, while at the Kansas station, where corn was the principal grain ration, it required fourteen pounds of corn to produce one pound of gain. Now, if the profit is largely dependent upon the amount of grain required to produce a pound of beef then a knowledge of the conditions which make it possible to produce a pound of beef with one-half the quantity of grain will be of the greatest possible assistance in determining upon the methods employed in profitable cattle feeding.

A woman's wrinkles are for others—a man's for himself.

Half-Price Sale

OF LADIES' Spring and Summer Suits

Our entire stack of Ladies' Spring and Summer Suits, including Etamines, Voiles, Broadcloths, etc.—now offered in our great **Cloak Dept.**—second floor—at

EXACTLY HALF PRICE

Every suit is this season's make and is absolutely right as to style, make and finish—all go in this sale at

JUST HALF PRICE

All the $35.00 Suits CUT TO $17.50
All the $30.00 Suits CUT TO $15.00
All the $25.00 Suits CUT TO $12.50
All the $20.00 Suits CUT TO $10.00
All the $15.00 Suits CUT TO ..... $ 7.50

Such an opportunity was never before made in Detroit so early in the season. This is a splended chance to save money on a New Spring or Summer Suit.

.....MAIL ORDERS FILLED.....

The J. L. Hudson Co.,
"THE BIG STORE,"
DETROIT. - - - MICH.

TROY.

Dave Atkins returned to Detroit Sunday evening.

Geo. Wright took in the circus at Detroit, Saturday.

Guests at the Clark, Elliott and Burrows homes Sunday.

Ed Houghton went to Detroit Monday in company with his father.

Mr. and Mrs. F. C. Crouch are at Sam Butler's while Mrs. B. is at Big Rapids.

Mrs. Emily Donaldson, of Detroit, is with her sister, Mrs. Niles, for a few days.

Dr. Ile, of Oxford, called on his patient, Jennie Dusenbury, Sunday. She is not as well of late.

The Misses Williamson and Kimball attended the commencement exercises at Rochester, Friday night.

Mrs. McNally, of Pontiac, took her little son home with her Sunday. The child will reside at Mrs. Baker's.

George and Chas. Clark returned from Jackson, Thursday. They went as delegates to the Forester convention.

The Misses Hadsell and J. Niles attended a party at Overlook Farm, Saturday afternoon, given in honor of the Misses McCotter.

Mrs. Nancy Parker, who has been at the cancer cure at Orion the past six weeks, returned to Troy, Sunday noon, to the surprise of her friends.

SOUTHFIELD.

Mrs. Grace Eagle is on the sick list.

Mrs. Justin Jenks is on the sick list.

Miss Nancy Beam spent Sunday at home.

Miss Effie Wedinstover spent Saturday at Pontiac.

Mrs. Spencer Palmer is no longer on the sick list.

Miss Ona Johnson has been on the sick list the past few days.

League every Sunday night at M. E. church at 7:30 o'clock.

Mr. and Mrs. M. Robinson spent Sunday with Mr. and Mrs. John Heyworth, of Sand Hill.

Ferrets can be had by asking Arthur Simmons, of Southfield, as he has 21 for sale. Engage them now.

The Willing Workers Society met on Wednesday, June 24 at Mr. and Mrs. Charles Simmons', of Beddow.

There will be a dance at the barn of Harrison Everets on Friday evening, June 26. Come and have some ice cream and a dance.

Some of Southfield's prominent men have lied and when asked how, have said it would not rain. Others have turned their attention to weather prophesying by saying every day, "It is going to rain tomorrow."

CLAWSON.

Carrie Bowers is staying at H. J. Bowers.

Mr. and Mrs. Chas. Baker visited at Utica last Sunday.

Charlie Woods and family, of Detroit, are boarding at Mrs. F. A. Hunt's.

Mrs. G. W. Wilson, of Chesaning, visited at Mrs. Flavia Hunt's last week.

Francis Poole has been quite sick with malarial fever but is better at present writing.

Children's Day exercises will be held in the Log Cabin school-house, Sunday, June 28. All are invited. Come.

Ambition becomes sin when it turns from the blessing of service to the boosting of self.

The unfulfilled ideals of this life may be the designs on which we shall work in another.

There is more light in an old tallow dip than in a box of the most beautiful decorative candles.

$100 IN PRIZES

READ THE CONDITIONS AT THE BOTTOM OF THIS COLUMN

IF YOU WANT TO LAUGH, BE MERRY AND GET MORE THAN YOUR MONEY'S WORTH WHEN YOU VISIT DETROIT

WONDERLAND AND TEMPLE THEATRE

IS THE ONLY PLACE

Guess the number of persons who attend Wonderland and Temple Theatre during June, July, August and September, 1903, and get one of the following prizes: $50.00 for the first person who guesses the correct number or comes the nearest thereto; $25.00 for the second; $15.00 for the third and $10.00 for the fourth. Write guess, name and address plainly on the coupon printed below and bring same to theatre box office when ticket is purchased.

COUPON

NAME.....
TOWN.....
COUNTY.....
STATE.....
PAPER.....

His Last Hope Realized.

[From the Sentinel, Gebo, Mont.]

In the first opening of Oklahoma to settlers in 1889, the editor of this paper was among the many seekers after fortune who made the big race one fine day in April. During his traveling about and afterwards his camping upon his claim, he encountered much bad water, which, together with the severe heat, gave him a very severe diarrhoea which it seemed almost impossible to check, and along in June the case became so bad he expected to die. One day once of his neighbors brought him one small bottle of Chamberlain's Colic, Cholera and Diarrhoea Remedy as a last hope. A big dose was given him while he was rolling about on the ground in great agony, and in a few minutes the dose was repeated. The good effect of the medicine was soon noticed and within an hour the patient was taking his first sound sleep for a fortnight. That one little bottle worked a complete cure, and he cannot help but feel grateful. The season for bowel disorders being at hand suggests this item.

For sale by Whitehead & Mitchell.

OPENING OF THE LAKE ROUTE
Between Detroit and Buffalo

The new steamers Eastern and Western States are running daily between Detroit and Buffalo, making connections with all the morning trains. Our readers can save three dollars on fare to any point east or west. Send 2c for folder.

Address,
A. A. SCHANTZ, G. P. T. Mgr.,
Detroit, Mich.

Suits, Wraps, Spring Hats, Hosiery, Carpets.

...Suits and Wraps...

Never in our history have we had such a showing as this season. Our garments have that noted characteristic—a perfect fit that make them so desirable. In both the popular and high-priced goods you have this same exclusiveness. The economy made possible by our prices makes this the place to purchase your new Suit or Wraps. All qualities, all prices from $5.00 up to $75.00.

...Spring Hats...

Since the opening of our new Hat Department this section has been a scene of great interest. Our hats are attracting a great deal of attention. We are splendidly equipped to meet your Hat wants, showing an endless variety of choicest designs at very low prices.

Pattern and Ready-to-wear Hats $3.00, $5.00, $7.50 and $10.00.

CARPETS.

We carry without question the most complete line of Carpets and Rugs in Oakland County. We have here the productions of America's largest Carpet Mills at such prices that will tempt you. You can make no mistake in selecting your spring carpet from our magnificent line. We positively stand back of every carpet sold in this store.

HOSIERY OFFERINGS.

The display of hosiery we are making this spring is far out of the ordinary. Our hosiery represents the best manufacturers of Europe and America, all colorings being the best. You will find it hard to match our qualities at the prices we ask. Ladies,' Men's, Misses,' Boys' and Infants' Hosiery at all prices.

WAITE BROS. & ROBERTSON

PONTIAC, MICH.

HATS.

The greatest HAT SALE for ten days ever made in Birmingham. Two hundred Hats, regular price $2.00 and $2.50, at $1.00 each—less than one half price.

SHIRTS.

One lot Men's Madras Shirts at 50c each—former value $1 00.

UNDERWEAR.

Full lines of Men's and Ladies' Summer Underwear from 5c to 25c.

SHOES.

I have added to my Shoe Stock the celebrated Douglas $3.00 and $3.50 Shoes—Union made.

Yours for good goods and low prices,

V. NIXON.

Another
Carload of Furniture
JUST RECEIVED

Bedroom Suits, Tables--all kinds, Chairs in many styles. Handsome Sideboards.

COUCHES AT COST.

500 yards Linoleum at 48c per yard.

Carpets, Linoleums and Mattings
Every yard up to date in this Line.

MORE WALL PAPER.

We have everything in the line of WALL PAPER that you could possibly want. Get our prices before you buy.

Window Shades and Curtain Fixtures---all new Stock

Complete Line of Picture Frame Mouldings.
FRAMES MADE TO ORDER.

DAINES & BELL,
BIRMINGHAM, MICH.

PARIS GREEN THAT KILLS

MANY imagine that all Paris green is of equal potency. This is not the case. Analysis of samples from various makers show that some have more than twice the strength of others. You have perhaps observed evidence of this in the failure of an application of Paris Green to your potato vines to rid them of bugs as it should.

We guarantee the strength and effectiveness of the Paris Green we sell. The manufacturers have a reputation for the high and uniform excellence of their product.

There's economy in using this Paris Green.

It goes farther and always does the work.

25 Cents per Pound.

DRUGS, GROCERIES, PAINTS AND OILS

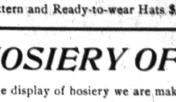
WHITEHEAD & MITCHELL,
"THE DRUGGISTS," BIRMINGHAM MICH.

SUMMER HEAD-GEAR

The Latest Modes and Shapes—Prices to suit all Purses—Another Consignment on the way, and more will come when needed—the best to be found.

Ready-to-Wear and Dress Hats in plenty

PONTIAC, MICH. MISS E. FLYNN.



WHEN IN DETROIT
--EAT AT--
61 MICHIGAN AVENUE.
Meals 15c.

MORTGAGE SALE.—Default having been made in the conditions of a mortgage bearing date the thirteenth day of June, A. D. 1887, executed by Simeon V. Formas to Mary A. Curran, and recorded in the office of the register of deeds for the county of Oakland and state of Michigan, on the twentieth day of June, A. D. 1887, in liber 81 of mortgages, on page 442, on which mortgage there is claimed to be due at this date the sum of $[illegible] and no proceeding having been taken to collect the same, or any part thereof, notice is hereby given that said mortgage will be foreclosed by a sale of the premises therein described as all that certain piece or parcel of land situate in the township of Royal Oak, county of Oakland and state of Michigan, described as a part of the southeast quarter of the southeast quarter of section thirty, in town one north, of range eleven east, commencing at a point in the south line of said section four chains and one-fourth links west of the southeast corner of said section; thence on said line south eighty-nine and one-fourth degrees, west three chains sixty-five and one-fourth links; thence north three-fourths degree, west nineteen chains and ninety-nine links to a post in the north line of said quarter; thence on said north boundary north eighty-nine and one-half degrees east, three chains sixty-five and one-fourth links to a post; thence south three-fourths degrees east nineteen chains and ninety-nine links to the place of beginning, containing seven and three-tenths acres of land, or so much thereof as may be necessary to satisfy the amount due on said mortgage with interest and costs, including an attorney fee of fifteen dollars, provided for by statute, at the front door of the court house in the city of Pontiac, in said county, on the eleventh day of July, A. D. 1903, at ten o'clock in the forenoon of said day.

MARY A. CURRAN, Mortgagee,
Dated April 11th, A. D. 1903.
O. E. ANGSTMAN, Atty. for Mortgagee,
33 Moffat Building, Detroit, Michigan.
April 17-July 10.

COMMISSIONERS' NOTICE.—In the matter of the estate of Edward C. Fish, deceased. The undersigned, having been appointed by the Honorable Jesse B. Stockwell, Judge of Probate in and for the county of Oakland, state of Michigan, commissioners to receive, examine and adjust all claims against said estate, and six months from the 19th day of June, A. D. 1903, having been allowed by said Judge of Probate to all persons holding claims against said estate, in which to present them to us for examination and adjustment, notice is hereby given that we will meet on the 19th day of August, 1903, and on the 9th day of December, 1903, at 10 o'clock a. m. of each day, at the store of Frank Blakeslee, in the village of Birmingham, in said county, for the purpose of receiving and adjusting such claims.

FRANK HAGERMAN, }
FRANK BLAKESLEE, } Commis'rs.
June 19-July 3.

Cereal Coffee

Best of all Health Drinks

A Perfect Substitute for Coffee

It is manufactured by the Cereal Coffee Company, of Pontiac, and entitled to the claim of being the most perfect food cereal yet placed on the market. It's flavor is excellent. It promotes digestion, imparts strength to both body and mind and is wholly free from the injurious properties of tea or coffee.

It is put up in larger packages than most other substitutes and sold at the unusually low price of 10 cts. In order to get it quickly introduced a fine line of premiums are offered. One ticket in each package. To be had of grocers.

Sold in Birmingham by Cobb & Cobb, M. R. Blair, F. Hagerman, Whitehead & Mitchell

STATE OF MICHIGAN, } ss. At a session of
COUNTY OF OAKLAND, } the Probate Court for the county of Oakland, held at the Probate Office, in the city of Pontiac, on the 6th day of June, in the year of our Lord one thousand nine hundred and three.

Present, Joseph S. Stockwell, Judge of Probate.

In the Matter of the Estate of
Harriet Mitchell, deceased.

Application of Ameron Whitehead, administrator, for the examination and allowance of his final account and settlement of the estate.

It is ordered that Monday, the 6th day of July next, at 10 o'clock in the forenoon, at said Probate Office, be appointed for hearing said application and examination and allowance of final account; and it is further ordered, that a copy of this order be published three successive weeks previous to said day of hearing in the BIRMINGHAM ECCENTRIC, a newspaper printed and circulating in said county of Oakland.

JOSEPH S. STOCKWELL,
[A true copy] Judge of Probate.
June 12 to July 3

Cough Cure

Stops the Cough and Works off the Cold.

Laxative Bromo-Quinine Tablets cure a cold in one day. No Cure, No Pay. Price 25 cents.

R I-P-A-N-S Tabules.
Doctors find
A good prescription for
Mankind.

The 5 cent packet is enough for usual occasions, the family bottle (60 cents) contains a supply for a year. All druggists sell them.

ALWAYS THE BEST.

QUEEN & CRESCENT ROUTE

AND

SOUTHERN RY.

DIRECT CONNECTIONS AT CINCINNATI TO ALL IMPORTANT SOUTHERN CITIES.

WRITE FOR PRINTED MATTER AND RATES.

W. A. ECKLER, N.W.A. ..... Chicago, Ill
D. N. BROWN, T.M.P.A. ..... Detroit, Mich
C. W. DUNNAVANT, T.P.A. ..... Warren, O
CHAS. SCHAF, G.A. ..... Cincinnati
W. C. RINEARSON, G.P.A. ..... Cincinnati

Send for Advertising Rates
Subscribe for the Eccentric
Bring in your Job Work

E. W. Grove

This signature is on every box of the genuine Laxative Bromo-Quinine Tablets. We remedy that cures in one day.

Nothing has ever equalled it. Nothing can ever surpass it.

Dr. King's New Discovery

For CONSUMPTION COUGHS and COLDS. Price 50c & $1.00

A Perfect Cure: For All Throat and Lung Troubles.

Money back if it fails. Trial Bottles free.

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Weak, Nervous, Diseased Men.

Thousands of *Young and Middle Aged Men* are annually swept into premature grave through early indiscretions and later excesses. Self abuse and Constitutional Blood Diseases have ruined and wrecked the life of many a promising young man. Have you any of the following symptoms: Nervous and Despondent; Tired in Morning; No Ambition; Memory Poor; Easily Fatigued; Excitable and Irritable; Eyes Blurr; Pimples on the Face; Dreams and Drains at Night; Res less; Haggard Looking; Blotches; Sore Throat; Hair Loose; Pains in the Body; Sunken Eyes; Listless; Distrustful and Lack of Energy and Strength. Our *New Method Treatment* will build you up mentally, physically and sexually. Cures Guaranteed or no Pay.

25 YEARS IN DETROIT. BANK SECURITY.

No Names Used Without Written Consent.

A NERVOUS WRECK—A HAPPY LIFE.

T. P. EMERSON has a Narrow Escape.

"I live on a farm. At school I learned an early habit, which weakened me physically, sexually and mentally. Family Doctors said I was going into "decline" (Consumption). Finally, "The Golden Monitor," edited by Drs. Kennedy & Kergan fell into my hands. I learned the *truth* and *cause*. Self abuse had sapped my vitality. I took the *New Method Treatment* and was cured. My friends think I was cured of Consumption. I have sent them many patients, all of whom were cured. Their New Method Treatment supplies vigor, Vitality and manhood."

Consultation Free. Books Free. Write for Question Blank for Home Treatment.

Drs. Kennedy & Kergan, 148 Shelby Street, Detroit, Mich.

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