

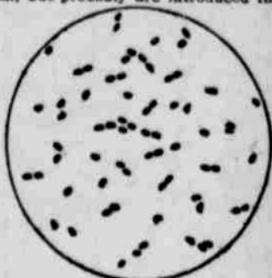
**KRESO DIP**  
(STANDARDIZED)  
**For All Live Stock**  
EASY AND SAFE TO USE.  
KILLS LICE, TICKS, FLEAS, MITES. CURES MANE, SCAB, RINGWORM, SCRATCHES, ETC. DESTROYS DISEASE GERMS AND DRIVES AWAY FLIES.  
NON-IRRITATING. EFFECTIVE. INEXPENSIVE.  
THE IDEAL DIP  
FOR SALE BY  
**Helm & Ellison**  
ASK FOR FREE BOOKLETS.



**REASONS FOR SOURING MILK.**

Lactic Acid Bacteria Cause Milk to Sour; Introduced Into Fluid in Various Ways.

Many of the lower plants find sugar a suitable food. In making use of this food, the sugar is chemically changed and in its place we find many new chemical compounds differing widely from the sugar from which they originated. Some bacteria in this process form various kinds of acids and gases. Among these is a large group of closely related bacteria which cause the souring of milk by breaking up the milk sugar into lactic acid. On account of this peculiarity they are commonly called the lactic acid bacteria. Typical lactic acid bacteria do not form gas. They do not have spores and therefore are destroyed at a comparatively low temperature. They are extremely widely distributed, and it is only under exceptional conditions that milk is obtained entirely free from them. They seldom or never occur in the udder itself, but probably are introduced into



Typical Lactic Acid Bacteria.

the milk with the hair, bits of feces, and dust that fall into the milk in the barn.

Milk is an excellent medium for the growth of lactic acid bacteria, and under favorable temperature conditions they multiply with astonishing rapidity.

The acidity of the milk is so closely connected with the life processes of this group of bacteria that it may be taken as a rough measure of their development. The acid, as fast as it is formed, unites chemically with the casein, which exists as very fine particles suspended in the milk serum. When the acid reaches a certain percent, the acid casein is precipitated and the milk is said to have "curdled" or "clabbered." This result may be hastened by heating. If milk or cream that is slightly sour is added to hot coffee, or is otherwise heated, it curdles.

Milk which has undergone a strictly lactic acid fermentation has a firm curd, free from gas bubbles and with a small amount of whey on the surface. When shaken the curd breaks up into small particles which settle slowly, leaving a clear whey. The milk should have a pleasant acid taste. So far as is known, none of the products of the bacteria of this group is of a poisonous nature.

Some of the bacteria commonly classed with lactic acid bacteria form acids other than lactic, together with large quantities of gas. Milk curdled by bacteria of this class shows gas bubbles and has a disagreeable taste. The lactic acid bacteria not only are able to grow in an acid medium, but to a certain point the acid is a favorable influence. Many bacteria, however, find the acid detrimental to their development and are not able to grow long in milk in competition with lactic acid bacteria. When the milk begins to taste sour the growth of nearly all nonacid-forming bacteria is checked. The activity of the lactic acid bacteria themselves is checked and finally ceases entirely when the acid reaches a certain concentration, which varies with different varieties. Consequently sour milk usually contains a nearly pure culture of one or at most two or three closely related varieties of bacteria.

While the lactic acid bacteria are considered very beneficial in butter and cheese making, they are undesirable bacteria from the standpoint of the milk dealer or consumer. It is almost out of the question absolutely to prevent their presence in milk, but the initial number may be much reduced by observing a few simple rules of cleanliness in handling the milk. Every precaution which reduces the amount of dirt in milk reduces the number of bacteria correspondingly. The important factors here are freedom from dust at time of milking, brushing the cows, wiping the udders, and small-mouthed milk pails. It is also of great importance to cool the milk as soon as possible after milking to below the temperature at which lactic acid bacteria grow rapidly. This temperature is controlled by practical conditions, such as the temperature of the water available for cooling, but it should not be higher than 50 degrees Fahrenheit.

Brooding geese must not be fat. They should have corn in limited quantities only during cold weather, and then at night. Oats steeped in warm water makes a better feed. It should be fed in V-shaped troughs. Plenty of vegetable food, such as cabbage, boiled potatoes and clover should be supplied until the grass begins to grow and the birds go to pasture.

**Columbus a Back Number.**

Positive proof of the discovery of America more than a century before the landing of Columbus, is the claim made for a stone bearing an inscription in Runic characters and the date 1362, by its owner, Bjalmar Lued Holland of Ephraim, Wis., curator of the Sons of Norway historical archives.

The Tuxestone, so-called because of its Runic character, has been placed on exhibition in the rooms of the Chicago Historical society. The stone was found in Douglas county, Minn.

Copies of the inscription and photographs have been sent to the University at Christianna, where no valid criticism of its authenticity was offered. The inscription, as translated, reads as follows:

"Eight Goths and 22 Norwegians upon a voyage of discovery from Vinland westward.

"We had a camp two skerries, one day's journey north, from this stone. We were out fishing one day. When we returned, we found ten men red with blood and dead. Ave Marie, save us from evil.

"We have ten men by the sea to look after our vessel, 41 days journey from this island. Year 1632."

Runic characters, in which the inscription was written, are believed to have originated with the Phenicians, and are known to have been used by the early Norsemen. The language as explained by the translator, is that of early times in Southern Sweden, and is not greatly different from the Norwegian language in the present time. The stone is in an excellent state of preservation, and most of the characters are perfect.

The river continues to fall.

Dry Batteries at Cotton & Adams.

Thirsty? REO is what you need.

C. H. Moore wants your grocery trade.

Change of Program every night at the Lyric.

Wheat harvesting will begin in about 10 days.

Miss Ivy Vick, of Route 3, was in town, Thursday.

A choice line of bottled and canned goods at Betterworth & Prather's.

C. D. White, of Union City, was the guest of Miss Lucile Smith, Sunday.

Clarence Corum delivers the Commercial Appeal, Post-Dispatch and Nashville American.

See the Hickman Hardware Company's line of summer cook stoves, for coal oil or gasoline.

Mrs. Vick, of Route 3, is sick at the home of her mother, Mrs. Mary Sarrett, in East Hickman.

We do guttering of every description. Let us figure with you.—Cotton Adams, over Ellison Bros.

Dallas, the little son of Harry Brown and wife, of East Hickman, was on the sick list last week.

Col. H. Buchanan says the new fountain for the railroad park will be forthcoming in a short time.

Mrs. Layne Higgins and little son, James, are visiting her parents, P. G. Cunningham and wife, at Clinton, this week.

Henry McMullin, Mayor Dillon, S. D. Luten and Judge F. S. Moore attended the funeral of Wiley Morris, near Crystal, Tenn., Sunday.

Saturday morning while little Elizabeth Wade, daughter of R. H. Wade, of Fulton, was playing with her pony she fell to the ground and dislocated her shoulder.

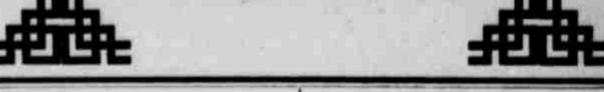
The steamer Gerogia Lee, that sank several weeks ago at Paducah by slipping off of the ways at that place, has been bulkheaded and pumping was commenced Wednesday and no doubt she will be raised in a few days, when she will go on the ways for repairs and a general overhauling.

Calling upon congress for a form of tariff protection that will guard all American homes from the ravages of the cocaine habit, thousands of medical men, philanthropic workers and principal drug houses are supporting the recommendation of the American Health League for federal control of the deadly drug.

**Let Us Furnish Your Home!!**

We know we can please you from our splendid assortment of newly designed Furniture and Household Goods. We not only excel in qualities and styles, but lead in LOW PRICES. We buy in large lots and pay cash, also sell for cash, which is the reason our prices are so low. A visit to our store will convince you more fully of these facts. Allow us the pleasure of showing you through our stock.

**W. F. Montgomery**



**Getting Ready for Business.**

Manager Davis, of the Hickman Independent Home Telephone Co., is circulating a paper this week for the purpose of raising funds to install a local system in this city. Following is a copy of the paper and names of those who are contributing:

- Helm & Ellison.....\$100.00
- Hickman Drug Co., Inc..... 50.00
- Hickman Hardware Co..... 50.00
- Smith & Amberg..... 50.00
- J. F. & S. L. Dodds Co..... 100.00
- Baltzer & Dodds D. G. Co.... 50.00
- Hickman Wagon Co., Inc.... 50.00
- Hickman Grocery Co..... 50.00
- Drs. Hubbard & Blackford.. 50.00
- W. A. Naylor, S. T. Roper  
Miss Dora Smith and J.  
W. Morris..... 50.00
- Farmers & Merchants Bank 50.00

Woodland High School will give a play, "The Deacon," at the school hall, Tuesday evening, June 1st. Admission fifteen and twenty-five cents. Every body cordially invited.

Cards are out announcing the marriage of Miss Kitty Mott Glenn to Dr. Peter Prather, the 3rd of June. The wedding will take place at home. This will join members of two of the oldest and most respected families in Obion county. After the fifteenth they will be at home to their many friends in Woodland.

**State Line.**

Tom Berry, of Memphis, is in town, this week.

Miss Ella Belt, of Kenton, is visiting Mrs. D. A. Rice, this week.

L. P. Ellison and wife and Hugh Ed Curlin were the guests of the latter's parents, Sunday.

Miss Prudie Marshall returned home Friday, after teaching a very successful school at Clayton.

Quite a number of people from here attended the graduating exercises of Union City High School.

Misses Fannie Dale and Mosella Brasfield are home from Lexington, where the former had charge of the music department and Miss Brasfield took the B. S. degree.

**DR GAU'S**  
**SANITARY**  
**GUSHION SHOE.**  
Will relieve that tired feeling in the feet.  
**Millet & Naylor**

**Dorena.**

The constant rains have delayed the farmers.

Leslie Stoker spent several days in Hickman, last week.

John Bryant went to Charleston, last Friday, on business.

Rev. Grey, of Columbus, preached at Locust Grove, Sunday.

Thurman Pickett spent Saturday night and Sunday in Hickman.

Mrs. J. D. Pickett entertained a number of young people Sunday, in honor of Misses Pearl King and Allie Higgins' birthday. All report a jolly time.

**Police Court.**

Ed Carter was fined \$95 for breach of peace, and he and his wife advised to leave Hickman.

Jas McNeil, charged with disturbing public worship at West Hickman Chapel, fined \$26.50.

Ben Narring, caught by Deputy Jno. Wright, was tried for bootlegging and fined \$66.50.

Sam Ferriell, charged with bootlegging, arrested and in jail awaiting a hearing.

The Daughters of the Confederacy will observe their annual Decoration Day, celebrating the birthday of Jefferson Davis, at the City Cemetery, on next Thursday afternoon, June 3rd, at 3 o'clock. They will have a nice program after which the graves of the Confederate dead will be decorated. They extend a cordial invitation to come and join with them.

**Commonwealth's Attorney, Conner,**

of Mount Sterling, sued the Bluegrass Seed Company and six citizens of that section, for \$5,000 each and costs charging them with forming a trust to control the price and sale of Kentucky bluegrass seed, in violation of the State anti-trust law.

The manufacturers of liquors and beer and the wholesale dealers are to test the laws recently passed by the Tennessee Legislature to prohibit the manufacture and sale of intoxicants in that State.

**Rush Creek.**

Owing to the rain, corn is getting poorly.

Dan Davis, who has been sick is improving.

Miss Mary Crostic went to Union City, Tuesday.

Miss Nannie Luten, who has been quite ill, is improving.

Mrs. Ben Davis is visiting Mr. Davis' parents, this week.

Little Hannah, daughter of Chas. Spooner, is on the sick list.

Miss Lottie McClellan is visiting her uncle, Jack McClellan.

Misses Seay are visiting their grand-mother, Mrs. Lou Luten.

Jett Davis, wife and mother visited Ed Smith and wife, of Harmony, Sunday.

Mrs. Mary Lou Sublett and baby, of Clinton, visited her home folks, last week.

Miss Mildred McGehee attended decoration of Confederate dead at Fulton, Sunday afternoon.

**Mistaken for Burglar.**

A negro, familiarly known to all Hickmanites as "Jack, The Ripper," was mistaken for a burglar last night at 11 o'clock by W. I. Garrett, the Hickman Grocery Company's butcher, and was shot in the left foot. The negro had been engaged by John Cotton, Garrett's next door neighbor, to clean a closet in the rear of the Cotton residence. While there for this purpose, Garrett saw the negro and thought he was a thief; and upon his failure to halt when called to do so, Garrett took a shot at him.

The negro's wound is painful but not serious.

**Indians Beaten.**

The Chickasha Indian base ball team went down in defeat before the Hickman team last Saturday—score 1 to 0.

The winning run was made in the first inning when Bevel was passed to first, stole second and came home on a two-bagger.

The game was the best played here in years—snappy and fast and complete with good pitching and fast playing.

Hickman was materially assisted by Bevel, White, Davis, and Pique, of Fulton, and Runyan, of Paducah. Naylor, Teaster, Pyle and Holcombe completed the Hickman team.

The night game was decided in favor of the Indians—13 to 5. The manner of playing at night was new to Hickman, which probably accounts for their poor showing.

A large rubber ball is used at night and the infield and outfield are both drawn in close. Using a small ball it is almost impossible to knock the ball any great distance.

The Indians claimed to have won 90 per cent of their games but they failed to keep up to their standard this week. Hickman, Fulton and Paducah winning from them in the last three games.

Following is the line-up of the Hickman team for the night game: Naylor, Holcombe, Teaster, Caldwell, Case, Reed, Prather, Neely and Williams.

The Indians were represented by Young, Atkin, Curley, Jackson, Keel, Nona, James, Jones, Cate.

R. L. Bradley, S. L. Dodds, and Dr. S. W. Luten are in Caruthersville, Mo., attending a convention of the Southeast Missouri Drummers Association.

**We Are Prescription Specialists**

You choose your own doctor, why not use the same independence in the matter of having your prescriptions filled.

We use the highest quality ingredients, so you can't get better anywhere else.

No one here puts up prescriptions who is not qualified by law, so your prescription is in absolutely safe hands.

**HELM & ELLISON**

**Route Five.**

Henry Pollock and wife, of Hickman, are visiting relatives near here.

Miss Verna Escue, of Obion, is visiting Nellie Lee Escue, of Route five.

H. W. Howard and son, Herman made a trip to Union City one day last week.

A crowd of young folks attended the singing at the home of Bob Hicks, Saturday night.

A large crowd attended the meeting at Rogers school house a few nights last week.

Toy Clear, wife and son, Theo spent Saturday night and Sunday with Henry Howard and family.

Quite a number of people are enjoying fishing this rainy weather while they can't do anything else.

Miss Ruth Hicks has returned home after spending a week with her grandmother, Mrs. Latimer, of near Union City.

Wiley Morris, who has been sick a long time with consumption, died Saturday night about 10 o'clock. He was laid to rest in the old Fremont Cemetery.

**Unveiling at Brownsville.**

Following is the program arranged for the W. O. W. unveiling at Brownsville next Sunday:

Assemble at church at 10 a. m.

Invocation—Rev. W. L. King.

Address by master of ceremonies—Judge B. T. Davis.

Singing—Mt. Aetna and Brownsville singing Clubs.

Noon—Basket Dinner.

Song—W. O. W.

March to cemetery.

Invocation—Rev. King.

Floral Offering—The Circle, assisted by 20 young ladies.

Obituaries of departed Sovereign-Officers.

Unveiling.

Song.

Address—Rev. Turkington.

Benediction.

JNO. T. DILLON,  
J. F. GLIDEWELL,  
ARTIE WILLIAMS,  
L. P. BALTZER,  
F. S. MOORE,  
Committee.