

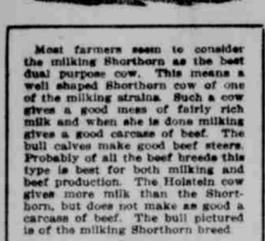
DAIRY and CREAMERY

ECONOMY IN COW FEEDING.

Dairy Cattle Must Have Balanced Ration to Produce Milk.

To produce milk the cow must have a balanced ration. This simply means that the various nutrients must be supplied in the proper proportions and quantities for milk production, says the Kansas Farmer.

Most farmers seem to consider the milking Shorthorn as the best dual purpose cow. This means a well shaped Shorthorn cow of one of the milking strains.



out a ration that would supply the physiological requirements and then always feed the same ration. In producing milk profit must always be the primary consideration.

There in Kansas alfalfa hay is probably the most economical source of protein. Dairymen all over the country are willing to buy alfalfa and ship it long distances.

A year ago cottonseed meal was very reasonable in price, and this feed was a very economical source of protein.

SUSTAINING MILK FLOW.

With Good Feed and Care Cows Should Hold Out For Seven Months.

The time required to bring cows to full flow of milk after freshening varies. From ten to twelve weeks will usually find a cow doing her best, says Hoard's Dairyman.

A variety of feeds is more palatable to the cow and assures proper amount of nutrients if the feeder is careful to note that the ration is balanced.

Out and vetch hay and corn silage form the basis of a good ration, and with a little grain there should be no difficulty in sustaining the milk flow.

Milk Twice a Day.

The custom of milking twice a day has become fixed, and no marked advantage is secured when the number of milkings is increased.

MICHIGAN NEWS ITEMS IN BRIEF

Paragraphs of interest to Wolverine State Readers.

News of All Kinds Gathered From Various Points in the State and So Reduced in Size That it Will Appeal to All Classes of Readers.

Two cars of grits shipped to Battle Creek were found short of weight by City Sealer Fred Barnard.

Pupils parties have purchased the Hubbie farm, near Oxford, and will convert it into a summer resort.

F. Linhart, Saginaw, was robbed and probably fatally shot by a burglar, who forced an entrance to his house.

W. H. Acker is paying the third dividend of 25 per cent from the Richmond bank which closed for liquidation.

Report says the J. A. Richards company, of Albion, manufacturers of steel cut dies and gisaws, will move to Kalamazoo.

There is an epidemic at Pontiac of Jamaica ginger drinking in the city and they are barely able to keep pace with the demand.

Michigan mayors met in Grand Rapids March 9 to make plans for a campaign for a reduction in insurance rates in Michigan.

A. P. English, 15 years head of police department, handed in his resignation to the Memominee councilmen, to take effect at once.

C. D. Slocum, fifty-eight, Eaton Rapids resident, prominent in church and Sunday school work, dropped dead of heart disease at his home.

A. Swartz, 26, of Saginaw, was shot to death at the shooting gallery of Ed Knapp. The police believe that there was an accident and Swartz was the victim.

Rev. Frank Armstrong, Kalamazoo, a Michigan preacher, died in Bronson hospital following an operation. Frank A. Armstrong, a son, is a bank cashier at Dearborn, Mich.

Mrs. Jacob Beiswanger, well known and one of Calumet's pioneer residents, who lived in the copper country since 1855, is dead at the age of seventy-five years.

Mayor F. H. Begole of the city of Marquette received notification that he has been named a member of the advisory board of the American peace bell committee.

Captain I. R. Boynton, of St. Ignace, president, general manager and owner of one-third of the stock of the Island Transportation company, has sold his entire holdings to Joseph Fitzpatrick, of Stanwood, and will retire.

Governor Ferris issued requisition papers for the extradition of Paul Morton, alias Paul Morton Pickford, bogus brother of Mary Pickford, arrested in Alabama and wanted at Paw Paw on a charge of passing worthless checks.

The first jitney driver under Pontiac rules to lose his license for refusing to carry fares at the rate prescribed was out because he refused to carry City Commissioner McLintock's wife and she made a report to the officials.

W. Sadler, Grand Rapids, was arrested in Detroit charged with having collected three notes of \$115 each from Clark Shipman, of Corunna, which he failed to turn in to his employers, the B. J. Cleland company, a collection agency.

David C. Nettleton, aged 76, one of the earliest pioneers of Charlevoix county and a veteran of the civil war, fell dead of heart disease at a gathering of the few remaining local civil war veterans at the residence of Justice James M. Faltz.

Mayor Marsh asked Judge North at Battle Creek to issue an order of dissolution against the injunction now in force prohibiting public bathing at Goguaque lake. The city is no longer taking its drinking water from the lake.

Dr. E. H. Bidwell, a Gladstone physician, had a narrow escape from death when a five passenger automobile he was driving turned turtle over a large snow bank. He was pinned between the car and the top, but aside from a slightly wrenched back escaped unhurt.

William Allen Smith, Jr., son of United States Senator Smith of Michigan, admitted at a coroner's inquest that he was driving an automobile which crashed into a wagon, as a result of which W. P. Ellis of Los Angeles suffered injuries which caused his death.

That there are 30 loans totaling \$40,000 given by the Battle Creek Building & Loan company on property for which the mortgage had no title was the assertion made by plaintiffs in the action recently started to oust Attorney W. S. Powers as conservator and place the affairs of the company in the hands of a receiver.

The primary law says that the state shall pay for the ballots. Auditor General Fuller, whose official approval for the bills is needed, says the state will not pay for them. He declares that the only way he will approve the bills is when the supreme court forces him to do so. He says the intention of the legislature was to have the counties foot the bill.

The Alpena County Agricultural society recently voted to hold another free fair in September.

The secretary of state reports automobile license fees so far of \$454,000. During February \$95,000 was taken in.

Thos Horton, one of the old capitol employes, died of pneumonia. He had been sick but four days and was seventy-two years of age.

John Hanna, of Grayling and supervisor of Beaver Creek township and one of the best known men in Crawford county, died at Grayling.

Anna Nelson, Bloomington, was playing with a golf ball when it exploded. As a result acid which flew in one of her eyes may destroy the sight.

William Gliberson, aged 70, Saginaw, a business man, died at Grand Rapids while visiting his daughter, Mrs. I. B. Gilbert, wife of the principal of Union high school.

The new franchise proposal at Mt. Clements for the subsidiary companies of the Detroit United railway carried at the special election by a vote 1,156 to 254.

Judge Samuel H. Vaphorn, of Kalamazoo, decided that Amos Winslow, a capitalist, was not able to conduct his own affairs, and appointed Stephen Earl as his guardian.

More than \$2,500 in bounties for wolves, wildcats and lynx was paid to hunters and trappers in Marquette county during the last pine months, according to a report of the county treasurer.

More than two hundred Richland Masons celebrated the fiftieth anniversary of the organization of the lodge. The late Senator J. C. Burrows was made a Mason by this organization years ago.

C. Lester Battidorf, of Battle Creek, a son of Mr. and Mrs. H. H. Battidorf, and Miss Geraldine Darlington, daughter of Mr. and Mrs. John Darlington, were married, Mr. Battidorf has taken a position as editor of the Manistee News-Advocate.

Despite a hard fight put up, Harry Weiss, alias Molnar, of Detroit, charged with swindling Frank Farkas, Muskegon Heights merchant, out of \$1,500, was convicted in circuit court. Weiss' fiancée, Miss Mary Orban of Detroit, was overcome by the verdict.

The officers of the Copper Range Mining company announce because of the advanced price at which copper metal is selling a bonus of 26 per cent will be paid its 2,000 employees on wages for March and April. Continuation of the bonus payments beyond April is probable if metal prices keep up.

Court action to remove Atty W. S. Powers as conservator for the Battle Creek Building & Loan association company's affairs was adjourned by Judge George W. Bridgeman, of Benton Harbor, to enable him to attend the funeral of Mrs. Hamilton, wife of Congressman Hamilton, at the Jewell's home town.

The second suit in the House of David "love cult," of which Benjamin and Mary Purnell are the religious heads, is on the circuit court calendar, the case being Mrs. Lena McFarlane, a former member of the colony, against Ernest McFarlane, still a member, for divorce. She charges she was married off to a wholesale set of marriages.

Leo Dargus, in jail at Menominee 3 months charged with the murder of a stranger near Pembine in 1914, which was supported by testimony of two Green Bay reformatory inmates, has been freed, it having been shown that the youths were lying. Dargus consoles himself by saying he is lucky that he was not living in Europe when the war broke out.

To protect the trade name of Grand Rapids the Grand Rapids Furniture Manufacturers' association has started suit in the United States district court of the northern district of Ohio, eastern division, asking the court to enjoin and restrain a number of Ohio furniture concerns from selling furniture represented as being made in Grand Rapids but made elsewhere.

W. G. Simpson, Detroit engineer, is Michigan's candidate for the office of Republican dark horse presidential nominee. Mr. Simpson appeared at the state capitol with petitions bearing 120 names, on forms which had been originally prepared for Theodore Roosevelt. That name was crossed off and Simpson's substituted, so that the petitions were not wasted when word came from Oyster Bay that the former president did not wish to run.

The department of the Michigan attorney general began an investigation into the affairs of the St. Ignace Land & Development company in answer to a request from an Indianapolis, Ind., widow, who says she invested \$3,000 in the company whose property is valued by the promoters at \$100,000 and by the state at about \$7,000. It is admitted on all sides that the investigation can reach no end except to inform the widow to be careful with her money.

William D. C. Germaine, who formerly was mayor of Traverse city, his brother Charles and the latter's wife, Bessie Germaine, were arrested for arson by Sheriff David Campbell and two deputies. W. D. C. Germaine is accused of setting fire to the house of his wife, Ola Hill Germaine, on the night of January 24 in revenge for divorce proceedings begun by her. Mr. and Mrs. Charles Germaine are held for an attempt at firing the home of R. J. Merce, hardware dealer, December 9, because the latter recently had them arrested for using indecent language before women and children.

MULCHING.

Nitrate of soda can be used with benefit on all crops. It is immediately available and should therefore be only employed in connection with plants in an active stage of growth.

There is far too little mulching done. Small fruit trees and garden crops are given a most favorable opportunity for attaining the highest perfection and development when their roots are covered with a thick mat of leaves, hay or other suitable material.

A good mulch keeps down weeds and renders the soil loose, moist and porous at all times, and that, too, with little labor of cultivation.

HOW TO GROW ALFALFA.

Information issued by the New York State College of Agriculture.

Alfalfa will grow on almost any type of productive soil if it is well drained and if it is not acid. Lime must be applied to at least three-fourths of the cultivated soils of New York if alfalfa is to be grown successfully.

In many cases soil must be inoculated with nitrogen gathering bacteria for alfalfa, and this may be done in either of two ways, according to the college. Soil may be procured from an alfalfa field or a sweet clover patch and applied at the rate of from 200 to 300 pounds an acre to the new field just before sowing.

Care should be taken not to use alfalfa seed infested with dodder. Dodder seeds may be removed, it is said, by screening the seed in small quantities through a 20 by 20 mesh sieve made of No. 34 wire.

Alfalfa should be cut when the new growth from the base of the plant is from one to three inches high, regardless of whether the plant is in bloom or not, so the college authorities state. This new growth starts as the plants reach maturity.

The shelter for brood sows. The brood sow should have a comfortable shelter in winter. Good shelter, preferably in a cot well supplied with straw, will contribute to her well being, and in that lies strength for her offspring.

Much of the dirt found in milk gets there during the milking. Any pail that will keep out cow hairs, draft, dust, pieces of dried manure, chaff and hay is a good pail. The difference between open and closed pails in the matter of cleanliness is considerable.

SOME BEE WISDOM.

"Any old thing" does not make a suitable hive in which to keep bees. Queens are mated but once in their lives and then out in the open air.

Bees have no more to do with the scattering of fruit diseases than do the other hundreds of insects that visit the flowers.

It is not a sign of ability to make a practice of trying to handle bees without smoker or veil; it's just foolhardiness.

It does not pay to keep more colonies than can be properly cared for. Better sell off some than buy more and not care for them.

REPORT OF THE CONDITION OF THE First State Bank AT ALMA, MICHIGAN.

at the close of business, March 7, 1916, as called for by the Commissioner of the Banking Department:

Table with columns for RESOURCES and RESERVE. Includes items like Loans and Discounts, Commercial Department, Savings Department, Bonds, Mortgages and Securities, etc.

Table with columns for LIABILITIES. Includes items like Capital stock paid in, Surplus fund, Undivided profits, Commercial deposits subject to check, etc.

STATE OF MICHIGAN, COUNTY OF GRATIOT—ss. I, Carl H. Washburn, Cashier of the above named bank, do solemnly swear, that the above statement is true to the best of my knowledge and belief and correctly represents the true state of the several matters therein contained, as shown by the books of the bank.

Subscribed and sworn before me this 15th day of March, 1916. J. S. KNOERTZER, Notary Public. My commission expires March 10, 1918.

L. A. SHARP, C. G. RHODES, FRANCIS KING, Directors

Elaborate Chinese Funerals. Funerals in China are most elaborate, no expense being spared to give the departed a grand send-off, no matter what his station in life. Indeed, bankruptcy, owing to the lavishness of a burial ceremony, is no uncommon thing.

Secondhand Glass. Interest in secondhand glass is of such importance that many dealers in this class specialize in one line of business. Some, for instance, handle only plate glass that comes to the attention of the demolition of old buildings, razed to make place for new structures.

SOUTHERN DRUG MERCHANT MAKES UNUSUAL STATEMENT

Great Business Losses Due to Neglect. When injured plate glass is too much scratched to be available for windows it is sometimes made into ground or frosted glass for office partitions or doors.

W. WITHERS MILLER. President of the Polk-Miller Drug Company, Richmond, Va., is authority for the following extraordinary statement.

"I estimate that the business men of this country could increase their efficiency fully ten per cent by taking an occasional laxative and not neglecting the bowels as most of them do."

Men Who Fear Opportunity. In the American Magazine Hugh S. Fullerton says: "Thousands of us who are making fairly comfortable livings for families pass plain turning points, refusing to turn or to attack the opening, through sheer timidity."

SECOND HAND SINGERS Slightly Used

A good bargain of a number of good sewing machines all in first class condition. Prices from \$10 to \$20. Call and see these machines at White's Second Hand Store West Superior Street.

WANTS FIVE CENTS A LINE

If you have anything useful that you want to sell, or if there is anything useful you want to buy, place an advertisement in The Record. If you have a buggy that's lying idle in the barn; a stove or other household goods you don't use; if you have any stock you want to sell or trade; if you want a girl for housework; in fact, if you want to buy, rent or sell, just try our Want Column.

Remember the price is only Five Cents a Line. Try it. Both Phones No. 13.

THE RECORD'S WANT COLUMN

TO EXCHANGE—Farm of 80 acres with stock, tools, and fodder to exchange for city property either resident or business. Will give easy terms on balance. This is an excellent opportunity for some one to deal into a good farm cheap, all equipped ready for business. Inquire at The Record office. 1913-W

FOR TRADE—120 A. in Wexford Co. 1/2 imp. and fenced, and touring car in good condition. Want to trade both for house in Alma. Address Owner Box 298, Ithaca, Mich. 24-12-c

WANTED—Everybody who is in a hurry to eat their meals at Miners Cafe. Quick service our hobby. 25-12-c

FOR SALE—House and lot, centrally located, modern conveniences, good furnace, electric lights, gas, \$1,000 cash balance on rental basis. Inquire at the Record. 28-12-c

ROOM AND BOARD—Furnished room and board. Inquire of Mrs. Jno. Murphy, Union phone 327. 30-2-p

BOARDERS WANTED—Table board and room. Inquire at 314 Gratiot Avenue. 31-1-c

FOR RENT—Rooms at 17 Wright Avenue. 31-1-p

FOUND—Friendship bracelet, owner can have same by proving property and paying for this ad.

PAINT YOUR AUTOMOBILE costs \$5.00 to \$15.00 We furnish material and instructions for your particular car; include stamp when replying; Satisfaction Guaranteed. BOULEVARD AUTO PAINT SHOP, 1710 Michigan Ave., Chicago, Ill. 31-1-c

PUBLIC SALE—Household goods at 310 West Superior St., Saturday, March 18, at 2:30. 31-1-p

FOR RENT ROOM—Modern inquire at Messinger's Store. 31-1-c

WANTED—A young lady wishes work preferably in the country. Write B. B. care Record 31-11-c

WANTED—Roomers and boarders at 903 River avenue. 31-1-c

FOR SALE—Two work teams, inquire of Fred Rowland. 31-1-f

FOR SALE—A davenport and other household goods. Inquire at 708 State street. 31-1-c

FOR SALE—Household Goods. Inquire at 530 Woodworth Ave. 31-2-c

FOR SALE—S. C. White Orpingtons, 20 pullets from heavywinter layers, all high scoring stock and from some of the world's most noted prize winners. Also eggs for sale. A. W. Brock. 31-2-c

WANTED—Messenger boy at Western Union, one not attending school and wishing to learn telegraphy. Call at Western Union office.

ADVERTISED LETTERS

Following is the list of advertised letters for the week ending March 13: Mrs. R. K. Barnhill, Mrs. Nellie Bahke, D. C. (two), Miss Opal Brum, Mr. E. M. Feldt, Mrs. Henry Haystack, Mr. Carl LeValley, Miss Edith White.

The above if not called for will be sent to the Dead Letter office March 27. V. P. CASH, Postmaster

DON'T NEGLECT CHILDREN'S KIDNEY WEAKNESS

Alma Parents Should Not Overlook the Little One's Kidney Ailments.

One of the most annoying ailments of childhood is weak kidneys and inability to control the kidney secretions. Not only is this a discouraging trouble, and one that every mother is anxious to get rid of, but it is in many cases a signal of danger, of trouble that will get worse constantly if not attended to. If your child is frail or fitful, doesn't run around or play like other children, complains of backache and of feeling tired—suspect kidney weakness. Doan's Kidney Pills are very effective for kidney weakness in children and are perfectly safe. Alma parents recommend them.

Mrs. A. Carmer, 614 River Ave., Alma, says: "One of my children, suffered from weak kidneys. The passages of the kidney secretions couldn't be controlled and caused much annoyance. Doan's Kidney Pills, procured at Rhodes' Drug Store, completely cured the child."

Price 50c, at all dealers. Don't simply ask for a kidney remedy—get Doan's Kidney Pills—the same that Mrs. Carmer recommends. Foster-McMillan Co., Props., Buffalo, N. Y.—adv.

If You Want Results Advertise Your Auction Sale in The Record