

# STOCK & DAIRY FARMER

Covers Northern Minnesota, Wisconsin and Michigan

VOL. XX.

DULUTH, MINN. —

No. 8.

## CHAMPION DAIRYMEN TO BE HONORED AT DAIRY CONGRESS

Sixth Annual Event To Take Place At Ironwood, Mich., March 18th.

THE pick of the Northwest's dairy farmers will visit Ironwood, Michigan, Saturday, March 18th, to be in attendance at the Sixth Annual Tri-State Dairy Congress, which will be held in recognition of the past year's achievements in dairy herd improvement through the work of Cow-Testing associations.

One of the largest gatherings of dairy and farm authorities in the history of the Congress has been prepared, with the principal speakers to include men of state, national and international repute.

The nine champion dairymen of the cut-over regions of Greater Cloverland, which embraces upper Michigan, Wisconsin and Minnesota, will be given single honors at the Congress, as well as the leaders of dairy farming in the various counties represented in the region.

Executive heads of Michigan, Wisconsin and Minnesota; experts in farm and dairy problems, emissaries from civic heads of organizations throughout the Northwest and a host of other notables, have been invited to appear on the program.

Eight committees of Ironwood men have been at work for months preparing arrangements for the big event, and the co-operation being displayed by communities throughout Greater Cloverland gives promise of making this year's Congress the greatest and biggest in the history of dairying.

The theme "RETURN THE FARMER'S DOLLAR TO ITS TRUE VALUE" will be carried out through the Congress, with sessions scheduled to be held in the morning, at noon, in the afternoon. Arrangements have been made by the Stock & Dairy Farmer, sponsors and founders of the Congress, to provide bus transportation from Duluth and Superior to Ironwood and return, for the price of Two Dollars.

The Congress will come to a formal opening at the morning session at 9:45 o'clock in the banquet room of the Ironwood Memorial building, with J. G. Wells, assistant state leader of agricultural agents, Marquette, acting as chairman. Group singing, conducted by C. O. Ebling, agricultural development

agent of the Soo Line Railroad, will precede Ironwood's welcome in the form of an address by Mayor Werner Larson of that city.

The first principal speaker of a direct agricultural nature will be G. W. Putnam, director of the Upper Peninsula Experiment Station, whose talk, scheduled for 10:15 o'clock, will be on "A Much Neglected Farm Practice". His address will be followed by one on "Marketing Dairy Products," by John Brandt, president of the Land O' Lakes Creameries. Following Mr. Brandt's address will be

appointment of resolutions committee, which includes M. J. Thompson, Duluth, E. F. Dietz and G. W. Putnam; announcements and adjournment.

At noon a complimentary noon-day banquet will be held in the auditorium of the Memorial building, with C. E. Gunderson as the general chairman and Mr. Thompson, who is director of the Northeast Experiment Station at Duluth as the presiding officer. Music will be furnished at this luncheon by the Ironwood High School band, and at 1:15 p. m., group singing will again be led by Mr. Ebling.

Greetings will be heard at this time from O. W. Schneider, president of the Ironwood Association of Commerce and a staunch supporter of farm development in the Northwest. Responses will be given by Clough Gates as president of the Superior Association of Commerce; by Anton—(Continued on Page 14.)

### Dairymen's 1932 Honor Roll.

High Herds In Champion Dairymen's Contest.

#### CLASS I—SMALL HERD:

Will Hoffland, Exeland, Wisconsin.  
Andrew Sibbald, Soo, Michigan.  
Ed. Probst, Grand Rapids, Minnesota.

#### CLASS II—MEDIUM HERD:

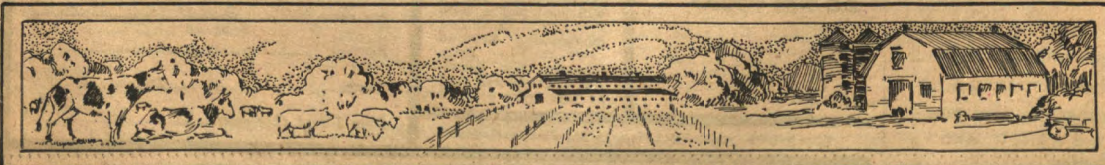
Amnicon Dairy Farm, Wentworth, Wisconsin.  
Albert Rasner, Wallace, Michigan.  
Ed. Rosen, Verndale, Minnesota.

#### CLASS III—LARGE HERD:

G. B. Reeddal, Phillips, Wisconsin.  
Harry G. Ross, Iron Mountain, Michigan.  
Tianna Farms, Walker, Minnesota.

Rather than present loving cups this year to the Grand Champions it was decided to present each winner with a rich diploma signed by the governors of the three states of Michigan, Wisconsin and Minnesota. These diplomas may be framed and hung in the home as permanent testimonial of a job well done. The Grand Champions will also receive the Stock & Dairy Farmer Achievement Medal and a diploma from the Ironwood Association of Commerce.

Complete list of champion dairymen on pages 8 and 9 of this issue.



2023.1.16

## DO YOU KNOW THAT—

The Tri-State Dairy Congress convenes on Saturday of this week, March 18, at Ironwood, Mich., the hub city of the Upper Peninsula. Most elaborate plans are being made to receive the caravan of folk coming from northern Minnesota, Wisconsin and Michigan by the Ironwood Association of Commerce, sponsors of the congress this year.

The only cost that will be involved is \$2.00 for bus transportation.

Farmers and their wives will be picked up along the route.

The dinner to be served is a "Home Products Dinner" to include only farm products.

It will be served by the business men of the city.

In other words—hospitality will reign supreme for the farmer will be "king for the day."

The business men will even wait on him at the tables.

\* \* \* \*

It is hoped that a goodly number of our folk will attend the Sixth Annual Tri-State Dairy Congress.

You can't beat the program and you will be fraternizing with other folk that you will learn to like better.



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S. C. Wh. Leghorns,	5.95	59.00
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S. C. Barred Rocks	6.95	69.00
S. C. White Rocks	6.95	69.00
S. C. Single Comb Reds	6.95	69.00
S. C. Buff Orpingtons	6.95	69.00
R. C. White Wyandottes	6.95	69.00
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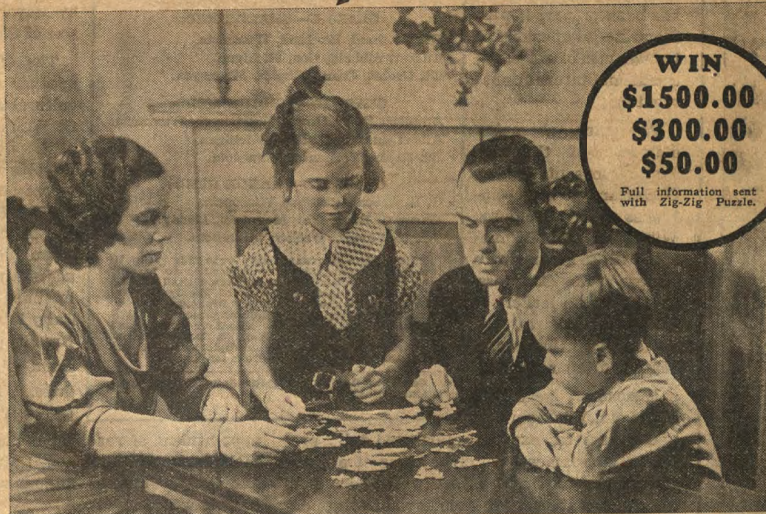
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Date I read this offer.....

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Advertising rates and circulation figures on request. Copy must be in ten days before the first of each month to be printed in that month's issue.

# STOCK & DAIRY FARMER

The Farmers' Paper of GREATER CLOVERLAND

A Journal devoted to the agricultural development of Greater Cloverland, comprising Northern Minnesota, Wisconsin and Michigan.

Our Platform for Greater Cloverland  
Make the lazy acres work; be it conifers or clover; pine or potatoes; birch or barley; rye or rutabagas, but some crop on every acre our goal.

## FARMERS MAY MAKE LOANS FROM FEDERAL LAND BANK

We have had a number of requests from our readers as to how they might secure a loan on their farm from the Federal Land Bank. Rather than answer these inquiries individually we are taking this space in our columns to acquaint our readers with the requirements to negotiate a loan from this bank. The Federal Land Bank for the territory covered by this publication is located at St. Paul, Minn., and all requests for loans must be directed there.

### 1—Who May Borrow

Loans may be made to any person who is at the time, or shortly to become, engaged in the cultivation of the farm mortgaged.

In determining the question of whether the applicant is actually engaged in the cultivation of the land mortgaged, it shall be held that he is, if he cultivates the land with his own or hired labor. He need not necessarily live on the farm but must reside within a reasonable distance as he must give it his personal supervision at all times.

It is necessary that the borrower own a substantial equity in the security offered.

No loan can be made to a corporation, to a guardian, or to an administrator.

### 2—Security Required

A first mortgage lien on an improved farm.

Security for each loan must be a "going" farm. That is, it must be a complete farming unit with the necessary buildings and sufficiently well developed so there can be no question of the average farmer being able to make his living, gradually improve the farm, meet taxes and insurance, and pay installments promptly on his loan from the farm's agricultural proceeds.

**Acreage.** In order to be considered a farm in a dairy section at least forty acres should be offered as security, and the major portion of it must be under cultivation at all times. In the prairie section ordinarily not less than eighty acres (in some areas 160 acres).

**Soil.** The soil should be fertile and adequately drained, not too rough or stony, and capable of producing a good crop under average farm management. Sandy soils with sand subsoil are not considered suitable.

**Buildings.** There should be a complete set and in good condition in

order to make a complete farm unit. They need not necessarily be expensive, but should be comfortable and adequate for the purpose for which they are intended.

**Location.** The farm should be so located as to be readily saleable and readily accessible to good roads and should have an ample supply of good water.

Loans cannot be made on second mortgages, chattles, city property, truck gardens, or on a property whose principal use and suitability is for orchard.

### 3—Indebtedness, Income and Management

Regard will be given to the financial condition of the applicant, and

applications will not be approved where his position is not reasonably secure or his ratio of debt is relatively high as compared with his resources and earning capacity.

There must be acceptable assurance as regards management, that the farm will be operated in a careful businesslike way, that it will be kept up and will show earnings sufficient to meet operating expense and overhead and maintain the borrower and his family.

### 4—How Much Can Be Loaned?

The amount that may be loaned will depend principally upon the appraised value of the farm offered. No loan may be made for more than one-half of the appraised value of

the land, and in addition, one-fifth of the appraised value of the insurable buildings. In determining the value of the land, its value for agricultural purposes is considered, with its earning power as a principal factor. On an ordinary well-balanced farm the loan value will usually run from about 40% to about 50% of a fair sales value.

Not more than \$25,000 may be loaned to any one borrower.

### 5—Purposes of the Loan

The money borrowed must be used for the purposes specified in the Act, and the borrower must state in his application the purposes for which the loan is to be made.

The purposes for which money so borrowed may be used include the following:

To pay off existing mortgages and liens against the farm.

To pay other debts contracted for agricultural purposes.

To apply on the purchase of a farm.

To buy livestock, equipment, fertilizer, etc.

To erect or improve buildings.

To clear land, provide drainage, or otherwise improve the farm.

To purchase stock in the association.

### 6—Terms

Rate of interest, 5½%.

Loans are made on an amortization plan; that is, a plan that provides for gradual repayment of the principal sum. The payments are spread over a term of thirty-four and one-half years, and at the end of that time the loan is all paid off.

The borrower makes payments equivalent to 6½% on the amount of his mortgage. This includes the amount to be applied on the principal each year. He pays \$32.50 every six months for each \$1,000 borrowed.

### 7—Repayment Privilege

After the loan has run five years the borrower is permitted to make additional payments on the principal, or to pay up the loan in full on any interest due date.

### 8—Cost of Loan

This is a co-operative system. Each applicant is required to pay the cost of handling his application and making his loan. Part of the costs will be required as an advance fee, and the balance will be taken out of the proceeds of the loan.

## IN THE LAND OF EASY MONEY

TEN MEN WHO WERE financiers chipped in ten dollars each and bought a fine cow that gave ten gallons of milk every day. The milk was divided at night and each man received one gallon as his share.

Soon the neighbors far and near heard about the wonderful cow and said to one another "Think of getting a whole gallon of milk every day. What a wonderful return on a ten-dollar investment. I wish I had a share in her."

When this talk was repeated to the ten men they held a meeting, and one of them said, "Let us give these people what they want. Our shares in the cow cost us ten dollars each and we can sell other shares at the same price."

So they went to a printer and obtained one thousand sheets of paper bearing the legend "One share in the cow." Then they sold five hundred of these shares at ten dollars each, which brought them five thousand dollars, and divided the other five hundred among themselves as their reward for being smart.

Each man of the ten now had fifty-one shares, whereas in the beginning each had but one.

But one of the ten began to worry. "Look here," he said, "Every fellow who bought a share in this cow will expect a gallon of milk tonight, and the cow gives only ten gallons. When the milk is divided into one thousand and ten parts these new

shareholders won't get a spoonful. Shares will drop to nothing. We'd better unload while we can."

So the ten men went out on the street to find investors, and each of them sold fifty shares that had been awarded to him, and thus they obtained a second five hundred dollars to divide among them. But now night was drawing near, and again one of the ten began to worry. "There will be a row at milking time," he said. "Hasten abroad and persuade each of the shareholders to sign a proxy, which is a joker, authorizing you to cast as you think best the vote to which his share entitles him. Then return with the proxies and we shall do some voting."

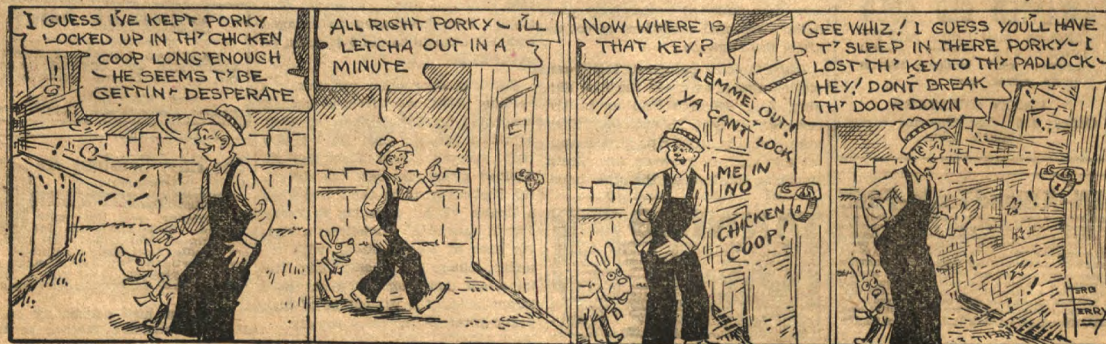
At twilight the men met at the barn, and in their hands were one thousand signed proxies to represent the absent shareholders and the ten were entitled to vote in their own right, for each still held his original share. "Now," said one who did the talking, "We must reorganize. This company needs a president, a treasurer and eight vice presidents. That gives each of us a job. And since there are ten of us and the cow gives ten gallons, it is moved and seconded that each of us receives a salary of one gallon of milk per day. All in favor say 'Aye.'" The motion carried without a dissenting vote.

And then they milked the cow.—Contributed.

FARMER FINN.

Now Porky Is in a Fix

By PERRY



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**FARM MANAGEMENT**

By **MARK J. THOMPSON**

Superintendent Northeast Experiment Station, Duluth, Minn.

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**DOLLAR VALUES**

FOLKS are becoming money-minded. They have always been. Now they think and study what they just talked about before. Let us define a few terms. Inflation means expanding price; much currency; a cheap dollar. For example, after the war, with prices going higher, it took two dollars to do the work of one, today. Deflation means lower prices; a dearer dollar or one that buys more, and less circulating currency. Folks state they desire neither process, but they would like to compromise on "reflation." This means currency expansion and price increase with a damper attached. Various tools are available. One of these is backing additional currency with National bank bonds; legislation of a price-fixing nature such as the Domestic Allotment Plan; refinancing sick business in town and country through refinancing and lower interest rates.

There is another approach and in the minds of many people a much sounder one. This plan would regulate the amount of gold in the dollar to maintain a certain relation to the commodity price index. Theoretically, this might shift from day to day, making what has been called the "rubber" dollar. Practically, the plan provided for reducing the amount of gold in the dollar from 22.8 to 16 grains.

Paper currency could be expanded at once and still adhere to the principle of backing every green back with a gold dollar in the Treasury. The price effect has been explained in this way. The ounce of gold now found in 22.8 dollars would be distributed through 30 dollars. Suppose potatoes were worth 50 cents per bushel, that is 11.4 grains of gold, that is one-half of 22.8 grains. But the new dollar carries only 16 grains, so the bushel is worth 11.4-16's of a dollar or 71 cents. The net result of reducing the gold in a dollar means more money for a bushel of potatoes. Since taxes rose and loans were made when dollars were cheaper, it follows that a cheaper dollar should be found to meet these obligations and liquidate them.

**HARVEST DATES**

THE IDEAL is to plant as early as you can and harvest as late as you can. This is to keep the crop growing as long as you can. For the third year, potatoes have been dug at weekly intervals and rutabagas have been pulled at successively later dates. Seasonal conditions of course affect the response.

Irish Cobbler potatoes, this year, yielded almost as much the first digging, Aug. 15 (143 bu.) as at the last digging, Sept. 26 (145 bu.). They were probably about ripe in mid-August this year, or growing ripe. Green Mountain potatoes, on the other hand,

made appreciably weekly gains. The first digging was Aug. 29 (159 bu.). A week later, 18 bushels more (177) were dug. The third digging, Sept. 12, showed a third gain of 19 bushels, (106.). On Sept. 19, the fourth digging was made, with a return of 213 bushels per acre. There was a slight drop Sept. 23, due perhaps to local conditions. The final digging, Oct. 3, was 217 bushels, a gain of 53 for the season. For the two previous years, 80 bushels per acre were made in September.

Rutabagas showed a regular gain from week to week. Aug. 22, not quite 5½ tons were harvested. The Aug. 29 yields were lost. At the end of the two weeks, Sept. 5, the crop was almost doubled (10.03 tons). The gain of the third week was only one and one-third tons (total of 11.4). Sept. 19 marked the end of the fourth week, when a net gain of almost two tons (1.9) was realized. The fifth week was even more decisive. Sept. 26, 16½ tons per acre were harvested, an increase for 7 days of 3.3 tons, almost a half ton per day. It was getting dry and very cool, so the sixth week we had a gain of less than a ton. For the seventh and eighth weeks there were slight losses. The final yield was 17.94 tons. The crop only made 60 tons the half three weeks.

This year at least the crop kept growing till October. It did the same a year ago. For the two previous years, the average was 11½ tons about mid-September. The top yield was 17½ tons by October 20, an average gain of about a ton per week.

**TUBER THOUGHTS**

A ST. PAUL FRIEND recently stated: "If the Arrowhead potatoes are to compete with western stock, you will have to spray and fertilize to improve both size and quality." He said a mouthful. If he added: "Irrigate in dry years," the story would be told. For doubtless the dry August of 1932 explained the high percentage of small potatoes and the short yield as well. The same thing happened in 1921, 1927 and in 1930. We do not irrigate of course, but sprays and good soil, in fine till will go far to overcome the handicap of occasional drouths. Let us, check the 1932 findings.

Duluth Irish Cobbler, unsprayed, yielded only 103 bushels per acre last summer; but sprayed plots grew 163 bushels, a sixty bushel and a sixty per cent increase. The Green Mountain yield was almost as good. The stepup from unsprayed to sprayed was 151 bushels to 201.6 bushels, or about 35 per cent.

Checklag over other varieties, the seedling 19-9-C went from 90 bushels unsprayed to 233 bushels, sprayed, or almost 160 per cent. Back in dry 1930, sprayed Green Mountains remained green through the drouth till September rains came and gave a double yield. Spraying is really drouth insurance. Sometimes a variety such of Russet Rural, with resistant foliage is the same thing. The important deduction is that with larger yields, the percentage of high grade potatoes increases rapidly.

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**AS THINGS APPEAR TO ME IN NORTHERN WISCONSIN**

By O. GARWOOD, Badger Correspondent



**MORE FEED CAMPAIGN**  
UPPER WISCONSIN counties are presenting a solid front in the state-wide campaign for raising more necessary stock feed on the farms and cutting down as much as possible on the \$30,000,000 feed bill which Wisconsin farmers have to foot each year in bringing their stock through the winter months.

This campaign has the backing and support of bankers, county agents and other agricultural leaders who are interested in putting the dairy herd on a more profitable basis. This cannot be done with the tremendous cash outlay now being made annually for feeds other than what is produced on the farm.

One obvious reason for the success of this plan is the fact that all feeds necessary can be raised on each farm after it has gone through the first period of development from a piece of wild land. During these times of low prices and over production the wise farmer is carrying on a program of culling out unprofitable cows as well as giving more attention to the raising of all feed for his own use. The two programs go hand in hand and will eventually go far towards solving this phase of the dairy problem.

Particular stress is being laid on the raising of more alfalfa on northern Wisconsin farms where a suitable soil type is found. Alfalfa provides at least two good crops of the very best of hay each season and has no superior as a soil builder. For this reason farm leaders are advocating alfalfa sowing wherever possible as the first step towards solving the feed problem.

Heavy sowing of other hay crops are also being planned for the coming season, such as soy beans, sudan grass, millet and even oats for hay. Where these crops were given careful attention the past season many farmers were able to fill their mows, whereas they would have had little, if any, feed if dependence had been placed entirely on the old or new seedings of clover and timothy.

The exceptional lack of moisture the past three years has worked havoc with many old hay meadows and successive new seedings have proven a total failure on many farms. The freezing and thawing weather so far this winter has caused the formation of considerable ice on many fields and the indications are that many tracts of clover will be killed out. This may also prove true on such alfalfa as has already been sowed the past year or two.

At any rate the only prospect Wisconsin farmers have for avoiding the heavy annual expenditure for feed is the planning of a large acreage of alfalfa or some good emergency hay crop for the coming years. Otherwise there is no prospect for profit in the dairy industry for some time to come.

**GINSENG IN PRICE COUNTY**  
THE RAISING of ginseng in northern Wisconsin has been given more attention in Price county than any of the other sections which have been growing this peculiar medicinal plant, with the result that the little village of Ogema is now listed as one of the largest shipping points for ginseng in the United States. A

total of 40 acres is now under shed in the county.

Ogema is not only the headquarters of the Price County Ginseng Growers Association but has one of the largest sheds in the state, owned and operated by Heden Brothers who have invested heavily in time, money and work to develop their tract into a profitable industry. They now have four acres of growing plants, all of which must be under a slat roof to permit a careful distribution of shade and sunlight.

The successful grower of ginseng must have a superabundance of patience, capital and a willingness to work several years before he anticipates any cash returns, as the roots require about three years to develop sufficient size for digging. Then after they have been dug and carefully washed they must be put through a drying process which requires seven or eight weeks for completion. The roots are then completely free of moisture and very hard.

China offers the only world market for ginseng roots but just what they are used for by the Chinese has never been entirely learned, although it is conceded that they are used for medicinal purposes of some sort.

Heden Brothers, at Ogema, also derive considerable revenue from the sale of seed gathered from the plants before being dug. Seeds from these plants require a long period of careful handling, also, as about eighteen months are necessary to produce germination and get sprouts started. The seed sells for \$3 to \$5 per pound.

One-half acre of roots were dug at the Ogema farm this year which yielded about 700 pounds of dried roots, which is exceptionally large as 2,000 pounds per acre is considered a good yield. Guzinski Brothers, Prentice growers and members of the association, also harvested about 2,000 pounds from an acre.

The grower of ginseng has many pests to contend with in raising his crop, the same as the farmer who raises any sort of field crops, as blight, root rot, rust and other diseases must be combatted by spraying and careful attention to care during weather changes in the spring and fall.

This year the Price county growers, through the efforts of their president, E. A. Heden, and assisting officers, arranged for a direct shipment of their crop to Honkong, China, whereas it has formally been marketed through local buyers who did the exporting themselves.

After considerable effort the pool of some 26,000 pounds of roots was consigned through the First Wisconsin National Bank, of Milwaukee, to a branch bank of the Chase National Bank, in Honong. This bank, in turn, will turn the shipment over to reliable brokers who will complete the final sale to consumers.

The shipment went to New York by rail where it was taken over by the Dollar Steamship line and is now enroute to the Orient. During normal times a return of about \$200,000 would have been realized from the crop but due to the unsettled conditions in China at the present time and the unstable condition of the Chinese money system the growers will probably net around \$70,000.

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**GREETINGS**

—to—  
**CHAMPION DAIRYMEN**

—from—  
**DULUTH CHAMBER OF COMMERCE**

(Its Council of Agriculture) and

**MINNESOTA POWER & LIGHT COMPANY**

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**ARROWHEAD BRIDGE**

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**DULUTH AND SUPERIOR**

## STOCK & DAIRY FARMER

The Farmers' Paper of Greater Cloverland  
Published monthly by the

**Stock & Dairy Farmer, Inc.**  
DULUTH, MINNESOTA

WALTER H. MCGENTY, Publisher.

Associate Editors

Mark J. Thompson, Farm Management; R. H. Tennant, Livestock; Florence Riddick Boys, Household; J. Adam Bede, Associate Editor.

**Subscriptions**—If you miss your paper notify this office at once. We may have the wrong address. The receipt of the Stock & Dairy Farmer will be a notification that your subscription is paid.

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Entered as second class matter April 15, 1915, at the postoffice at Duluth, Minnesota, under the act of March 3, 1879.

If your address label is incorrect pin it to a sheet of paper and add the necessary corrections, then forward it to Circulation Department, and the mistake will be corrected immediately.

### WE'RE ALL WITH THE NEW PRESIDENT

**P**RESIDENT ROOSEVELT enters the White House with a country united as strongly of him as it was in support of President Wilson when we entered the world war.

Franklin D. Roosevelt knows as well as any one else that he takes charge of the Government in a greater crisis than has confronted any other president except George Washington and Abraham Lincoln—Wilson's greatest crisis can after he had served his first term.

The new president's inaugural while very short and simple was received with great confidence throughout the nation. Coming at the time it did with moratoriums on banks and a general spell of glooms in the country, it generated a new spirit in everyone.

Roosevelt is indeed the "Man of the Hour" and from evidences so far a "Man of Action". The closing words of his address, "Calling divine guidance to lead his people" was indeed impressive for after all nothing can be done without the help of "He" who watches over all of us.

All eyes are on this "man among men" and our hopes are pinned to him. We know he won't fail us.

### WHERE THE DAIRYMAN IS KING

**T**HE ASTONISHING and rapid advancement made in dairy farming in upper Michigan, Minnesota and Wisconsin will be forcibly brought to the fore in Ironwood, Saturday, March 18, when the Sixth Annual Tri-State Dairy Congress is conducted.

This year, more than ever before, will the records and achievements of these hardy dairymen go down in history before the eyes of the agricultural Northwest.

This year, more than ever before, will the dairy farmers who attend get a greater value out of the Congress' speakers, return home with a greater realization of what is to come and what has been accomplished under conditions which have been most trying.

The work of Cow Testing Associations throughout all of Greater Cloverland will be reflected in the records to be announced at this Congress, and there is every indication that these records will be more enviable than in past years.

It has been gratifying to note the spirit with which the dairy farmer, whose lot is anything but an easy one, has grappled with the problems of the past two or three years, and it is more gratifying and pleasing to note that the Cow Testing Associations of Greater Cloverland have commanded the support and attention of more dairymen than ever before.

For these dairymen realize fully, that it is through the records found in these associations,

that the "leaks" in their farming business are found and plugged. Just as the business man takes a yearly or bi-annual audit of his books, so does the dairy farmer, through these cow testing records, take his audit and pave the way to better times.

The Stock & Dairy Farmer is proud of the manner in which farmers of Greater Cloverland have responded to county, state and national appeals, despite in many instances, well-drained pocket books and overdrawn bank accounts. Their spirit of hanging on in the face of adversity has made their ultimate success all the more sure and certain.

It will be these same dairymen who will be honored, who will come to honor their fellow farmers, at the Sixth Annual Dairy Congress at Ironwood.

### CHEAP MONEY

**UNLESS ALL SIGNS FAIL**, the farmer who now suffers from Dear Dollars will or may soon enjoy cheap money. Two bills are before congress, with this end in view. Both are sponsored by Minnesotans but the approach differs. The senate bill, offered by Senator Shipstead, would leave the principal at the present figure. The mortgage holder would exchange his mortgage for Federal Bonds, and Uncle Sam would take over the mortgage.

But these bonds would carry only 2 1/4% interest, where the present mortgage usually carries six. The creditor makes an interest sacrifice but none of principal. The net result is that the face value of your insurance policies backed in some measure by these investments, is not deflated. The House bill, fathered by Harold Knutson, also plans for Federal assumption of the mortgages in exchange for bonds, but he would deflate both principal and interest. Capital values would be cut about 40 per cent. From the business view, this reasoning is sound. For if land values are less, the debt load should drop in proportion. The big job of the day is to reduce capital values, or capitalization that was built upon the profits of boom days and inflated values.

That cheap money, usually understood as "greenbacks," will come seems less probable than six months ago, when this idea was quite prevalent. The increased use of silver, and perhaps the cheapened dollar are still possible. One of two things must happen. Our money must become a "managed currency" as they say abroad, with higher prices and cheaper dollars, or deflation must continue and include not only prices but obligations as well. For if folks must pay in fewer dollars, they surely cannot pay so many. Our readers will do well to follow developments early in March when the new administration starts its work.

### GOVERNOR OLSON WINS AGAIN

**G**OV. FLOYD B. OLSON'S Foreclosure Postponement Bill has now passed both houses of the State of Minnesota and becomes a law. As a result of the law, foreclosures may be deferred for 90 days up to April 30. The law also includes all cases where any sheriff has postponed any mortgage foreclosure sale.

This is just another source of relief to farmers and homeowners who in the past might be forced to leave their homestead though they may have resided there for years.

It is our hope that before ninety days some more definite relief may be forthcoming so that many farm and home owners can feel more secure than even a 90-day moratorium can provide.

### SEVENTY-FIVE THOUSAND FARMS; WHY?

**T**HERE IS MUCH national propaganda to the effect that certain lands should be abandoned and that food production should be limited

to a smaller acreage of choice land. The term "marginal" is used to designate the acres not wanted, and by influence the word covers the 40,000,000 acres of the so-called "Cutover area of the Upper Lake States.

In this district there are now about 75,000 farms. We have records covering 50 years, and each decade shows a substantial increase. Has this settlement all been wrong? Have all these people made a gigantic mistake?

One fruit of the economic disturbance is more thinking. How did this country become settled anyhow? There are three very good reasons to account for it: (1) In an effort to escape transportation tolls, centers of population seek to grow a food supply at home. Growing costs may be worse, but the local grower can add the freight costs to base prices. This advantage is often considerable. (2) A district may be able to grow certain crops better than other places. Ability to grow good rutabagas, clover seed, abundant hay, high tonnage and quality potatoes have all positively influenced settlement. (3) The third major reason is the instinct to find a home.

We believe much of the thinking of the day is in error since it fails to distinguish between economics and social science. The abstract economist marks off an area and calls it "No Man's Land," but he ignores the fact that if no other land is available, men must and will occupy it. To an economist a farm is a raw material factory of food and fabric; to a student of social science it is a home as well. Intelligent action, then, lies in zoning the better lands, soils that will give a reasonable response, and satisfy a social need by directing settlement there.

### OUR NEW SECRETARY OF AGRICULTURE

**H**ENRY A. WALLACE, of Iowa, has been selected to champion agriculture in President Roosevelt's cabinet. The appointment of Mr. Wallace is a great source of satisfaction to the Midwest since he is thoroughly representative of this section. He is 44 years of age and has always been identified with agriculture not only as an editor of a farm journal but also as a dirt farmer himself operating and owning a farm. He knows the farm situation as well as any man who could have been selected for this important post. He is also an economist who can view the agricultural picture from a monetary as well as a practical standpoint.

In order to draft a brief picture of the background of the man who will represent 30 million farmers we will sketch him as follows:

Henry Agard Wallace was born October 7, 1888 on a farm in Adair, Iowa. He is the son of Henry Cantwell Wallace, secretary of agriculture under Harding, and the grandson of Henry Wallace, member of Roosevelt's Country Life Commission and founder of Wallace's Farmer. All three Wallace's have served as editors of this journal.

His selection to this cabinet post insures a man who senses the needs of the farmers of this country and forecasts greater victories as the policies of the new administration shape themselves along the lines long advocated by the new secretary, and by farm organizations everywhere.

### FARM MORTGAGES

**A** MAJORITY of the "farm owners" in Minnesota are paying taxes on farms they do not own.

Dr. S. H. DeVault, professor of economics of Maryland has this to say: "If you think that property doesn't belong to the holder of mortgages just you stop paying on the mortgage and see what happens."

Taxation to pay the running expenses of the municipalities, state and national governments must be levied and paid, but there must be just taxation and economical government to justify such taxation.

# DAIRYING

## WHY SHOW HEIFERS

EVERY YEAR the question rises as to what becomes of the junior champion heifers at our fairs. The inference is that these flashy heifers fall by the wayside and are not seen years later among the show cows of the breed. Some even go so far as to say that no females younger than cows in milk should be shown. Many who just keep dairy herds may think that this query concerns only the shows and the big showman, but as a matter of fact all of us can well ask ourselves—What becomes of my junior champion? What kind of a cow is she who was my best heifer last year or the year before last? If we have no recollection of how we ranked our heifers in yesteryears then we should go out to the barn now and select out of the yearlings a junior champion for this year and do the same next winter and then keep track of them.

After we have done that for a few years or for half a lifetime there are a lot of us who could tell what becomes of junior champions.

There is perhaps no study in the realm of dairy husbandry that would tend to improve us as breeders of our herds as good dairy cattle more than a study of what our heifers develop into as cows. If we do not remember who our best heifer was last year and the year before it may be that we did not pay much attention to them, a mistake that is altogether too common. On many farms the calves are fed and cared for with careful attention to details and the cows are housed and fed for maximum production but the heifers are left to shift for themselves.

## TREATMENT FOR CATTLE LICE

RAW LINSEED OIL applied with a brush is recommended as an effective method of ridding cattle of lice. No less than three types of lice prey on cattle, especially during the winter months, and the linseed oil treatment not only eliminates the parasites but improves the condition of the animal's skins. The raw oil has no poisonous properties and so is more desirable than many other insecticides.

The linseed oil can be applied at the time of grooming or cleaning the cattle, thus accomplishing two jobs at once. From four to five cows can be treated with a pint of linseed oil, and the treatment should be repeated in a week or ten days if necessary.

The skin should not be rubbed too vigorously when applying the oil. Raw linseed oil is best applied with a brush.

After the cattle are treated they should be kept out of strong sunlight for at least twelve hours after the application. Livestock men are cautioned against using boiled linseed oil; only the raw product should be used for this purpose.

A scabby or scaly appearance of the hide in the vicinity of the withers and along the back indicates the presence of lice. The lice cause a great deal of suffering to the cattle and result in lost weight and an unthrifty condition.

The old man who got corns in his hands from holding a plow stock, now has a son who gets his by holding a steering wheel.

## One Patient Creditor.

The African Baptist church was making a drive for funds and two colored sisters were bearing down hard on Rastus.

"I can't give nothing," exclaimed the old darkey. I owes nearly every-

body in this here ole town already."

"But" said one of the collectors, "don't you think you owe the Lord something too?"

"I does sister indeed," said the old man, "but he ain't pushing me like my other creditors is."



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**STANOLIND**—Gives you more miles per dollar than any motor fuel you can buy.

**STANDARD RED CROWN**—Now quicker starting—seasonally adjusted—higher in anti-knock.

**RED CROWN ETHYL**—The finest gasoline science has produced plus a full measure of Ethyl fluid.

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**STANOLIND**—A dependable lubricant. Not only low in price, but safe for your motor.

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**ISO-VIS**—A top quality motor oil that will not thin out from dilution.

Ask your local agent for prices on any quantity delivered at your door.

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A first-line tire—competitively priced and backed not only by the usual tire-maker's warranty, but by Standard's 12-month guarantee against everything but punctures and running flat.

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His line of petroleum products is complete. He has one for every use on your farm. Each has been developed to its high efficiency by Standard Oil's intensive research and tested by the company's years of experience in serving the farm trade.

Trouble free operation of your farm machinery is of importance to you for the most profitable management of your farm. To be sure that your machinery will always run at its highest efficiency when you want it, ask your Standard Oil Agent to specify the fuels and lubricants best suited to your requirements. His service will save you time and money. Call on him today.

### Some Other Standard Products for Farm Use

Perfection Kerosene—For lamps, heating, cooking, tractors • Stanolux Fuel No. 1—For tractors and home heating • Mica Axle Grease • Polarine Greases • Polarine Transmission Oil • Finol • Semdac Furniture Dressing • Semdac Liquid Gloss • Semdac Auto Polish • Eureka Belt Dressing • Eureka Harness Oil • Superia Cream Separator Oil • Stanolind Petroleum and Stanolind Liquid Paraffin Heavy

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Why not locate where you have all modern conveniences and in addition the assurance that your land will ultimately be very valuable?

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40-acre farm, good buildings, near Poplar.

We have a number of real buys such as these. Now is the time to buy. Call or write us for more information.

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### FOR 25 YEAR'S ...

—We have successfully stored and financed butter and eggs for this territory. Let us serve you now.

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Duluth, Minn.

## THE RESULT OF YEAR'S WORK IN HERD IMPROVEMENT

WISCONSIN LEADERS—1932.

County	Class	Name and Address	Cows	B'fat.
Barron	1	Walter Baumberger, Rice Lake.....	6	404
	2	Arnold Hagen, Cumberland.....	8	503
	3	Hildebrandt Bros, Cameron.....	22	406
Chippewa	2	Fred Weber, Bloomer.....	13	452
	3	Godfred Hartman, Chip. Falls.....	17	492
Dunn	2	Theo. Krueger & Son, Elk Mound.....	9	559
	3	Otto Schultz & Sons, Menominee.....	16	488
Clark	2	Wm. J. Cammers & Son, Owen.....	15	417
	3	E. L. Boyer, Owen.....	16	362
Outagamie	2	Leonard Steinberg, Hortonville.....	11	402
	3	Ray Daniels, Black Creek.....	24	351
Douglas	1	Nels Olson, Wentworth.....	6	343
	2	Amnicon Dairy Farm, Wentworth.....	13	488
Marinette	3	J. J. Erickson, Superior.....	20	334
	2	Phil Augustine, Pound.....	12	366
Price	3	Alfred Tobison, Lena.....	16	362
	2	Walter Von Seggern, Phillips.....	13	386
Shawano	3	G. B. Reedal, Phillips.....	26	415
	2	Frank Paiser, Leopolis.....	11	507
Sawyer	3	Joe Brunner, Clintonville.....	22	475
	1	Will Hofland, Exeland.....	5	381
Waupaca	2	J. J. Kreycha, Exeland.....	8	373
	2	L. P. Much, Marion.....	9	532
St. Croix	3	Wm. E. Wolf, Marion.....	18	400
	2	Oswald Nelson, Baldwin.....	11	419
	3	L. C. Rudesill, Baldwin.....	19	453

Premier Herds (Wisconsin)  
3 to 6 cows—Will Hofland, Exeland, Sawyer County.  
7 to 15 cows—Amnicon Dairy Farm, Wentworth, Douglas County.  
16 cows or over—G. B. Reedal, Phillips, Price County.

### LAST YEAR'S LIME PLOTS

FOLKS LIKE to talk about lime. Sometimes they shouldn't. For to some minds, like castor oil, it is a cureall. But it's not. Anyway let's see what happened at Duluth last summer, where twenty odd crops grew on limed and lime-less soil. Sunflowers ran about the same both places. The rutabaga increase on limed soil was very slight—only one-third ton per acre. But we harvested almost three tons additional turnips off the limed areas. Somehow, and unexpectedly, we took more potatoes off the limed land, by thirteen bushels, but we harvested some scab as well. Pass on to grains. We have read somewhere that rye prefers an acid soil. Maybe so. But our unlimed ground was short two and two-thirds bushels, compared to the sweetened soil. The margin on oats was more pronounced, as the limed soil ran ahead by 13.4 bushels per acre. There was an even break with barley, 29 bushels in each case. Most folks associate lime with hay, particularly legumes, rather than with tilled or grain crops. We have records on 7 kinds of hay, both legume and grass, and in every case the limed soil ran well in excess. Here are the records for the past summer, the figures in all cases being the increase in presence of lime, over native unlimed land. Alfalfa, 47 tons or 940 pounds; Yellow Sweet Clover, first crop, 72 tons or 1440 pounds; second crop, 52 tons or 1040 pounds, making a total for the season of 1 1/4 tons. White sweet clover, first crop, 1.13 tons or 2,360 pounds; second crop, .36 tons or 720 pounds, making a total increase of 1 1/2 tons. Red top

responded with .60 tons increase or 1200 pounds; Timothy was just under a ton, 98 tons or 1960 pounds. Bromus provided the top increase of all, 1.2 tons, or 2400 pounds in one cutting.

From the yields of all three types of crop, one may infer that liming is good practice in the north country, or clay soils.

Speaker at Dairy Congress



DR. O. E. REED,  
Chief of Bureau of Dairying, U. S. Department of Agriculture

### Now Is The Time To Buy Bargain Prices

Get yourself a forty or eighty acre tract and get ready for spring planting. Plenty of timber for building and firewood. We have a large selection of land to choose from.

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### J. E. NICOL Funeral Director

CHAPEL IN MORTUARY  
1314 Ogden Ave., Superior, Wis.



**MICHIGAN LEADERS—1932.**

County	Class	Name and Address	Cows	B'fat.
Menominee	1	Carl Rye, Wallace.....	6.5	380
	2	Albert Rasner, Wallace.....	11.3	462.08
	3	Harry Johnson, Stephenson.....	18.1	398.46
Chippewa	1	Andrew Sibbald, Soo.....	6.75	438.3
	2	C. G. Walker, Soo.....	12.92	327.8
	3	Harold Osborn, Soo.....	16.17	367.8
Delta	2	Johnston Bros., Ensign.....	10.75	411.3
	3	H. Vermote, Rock.....	15.5	312.8
	1	Willow Farm, Marquette.....	5.5	341.6
Marquette, Alger	2	Chas. Jolonen, Ecsemer.....	7.25	426.4
	3	C. E. Johnson, Ironwood.....	25	376.5
	1	A. J. Waite, Iron River.....	4.50	416.24
Barage, Gogebic, Ontonagon	2	Carlson Bros., Iron River.....	7.42	428.05
	3	Harry D. Ross, Iron Mountain.....	24.92	404.94

**Premier Herds (Michigan)**

3 to 6 cows—Andrew Sibbald, Soo, Chippewa County.  
7 to 15 cows—Albert Rasner, Wallace, Menominee County  
16 cows or over—Harry D. Ross, Iron Mountain, Iron County.

**MINNESOTA LEADERS—1932.**

County	Class	Name and Address	Cows	B'fat.
Aitkin	2	Lee Bros., Isle.....	7	325.8
Hubbard	1	Guy Paulson, Menahga.....	5	349.4
	2	Palmer Lund, Osaga.....	8	335.3
Hubbard	3	Tianna Farms, Walker.....	24	468.7
	1	Ed. Probst, Grand Rapids.....	6	366.1
Itasca	2	Chas. Wolf, Grand Rapids.....	8	371.9
	3	C. R. Mostoller, Deer River.....	24	317.6
	2	Paul Farley, International Falls.....	9	271.0
Koochiching	3	J. H. Rogers, Ericsburg.....	13	311.0
	1	K. H. Haukaas, Pitt.....	5	298.0
	2	Carl Krull, Williams.....	8	345.0
Lake of the Woods	1	Arvid Anderson, Saginaw.....	5	354.9
	2	M. C. Francisco, Saginaw.....	8	359.7
St. Louis	3	Springhill Dairy, Duluth.....	74	330.08
	1	G. S. Peery, Aldrich.....	6	289.5
	2	Ed. Rosen, Verndale.....	8	408.9
Wadena	3	Arthur Mattie, Sebeka.....	18	327.1

**Premier Herds (Minnesota)**

3 to 6 cows—Ed Probst, Grand Rapids, Itasca County.  
7 to 15 cows—Ed Rosen, Verndale, Wadena County.  
16 cows or over—Tianna Farms, Walker, Hubbard County.

**To Address Dairy Congress**



**JOHN BRANDT,**  
President Land O' Lakes Creameries

**FOREST CROP LAWS**

By O. Garwood

ONE of the more serious problems facing most of the counties in northern Wisconsin the past few years is that of disposing of lands to which these counties have taken title through tax delinquencies. The acreage thus accumulated has reached dangerous proportions in many cases.

Disposition of a portion of these lands is being worked out through

**WHITE LEGHORN CHICKS**

**FERRIS BEST STRAIN WHITE LEGHORN CHICKS,** per 100, \$9.00  
**WHITE ROCKS, REDS,** per 100, 10.00  
Started Chicks priced accordingly.

Smith's Esko's Corner Hatchery  
Route 1, Cloquet, Minn.

**Eczema**

IS ONLY SKIN DEEP, and may be instantly relieved and quickly healed by the use of Cranolene, the cranberry treatment for stubborn skin diseases. You pay only if you can say you are cured. Write today. Address Cranolene, Dept. 48, Girard, Kans.

the provisions of the Forest Crop law, now in effect in Wisconsin. The object of this law originally was the preserving from destruction or premature cutting of the remaining forest growth in the state, and of reproducing and growing future crops of forest products on lands not more suitable for other crops.

The plan not only includes the raising of forest products from new planting but the maintenance of such growth as the lands are already producing. This latter phase of the work is largely grouped under the head of fire prevention and control over the class of timber cut in order that only the mature trees be removed. Many fire towers have been built throughout the north, from which lookouts constantly scan the country during dry weather and promptly notify the fire ranger by phone when a smoke is discovered. A competent force of rangers with power to draft as many men as are needed at any time when a serious fire threatens, is doing much to eliminate the heavy destruction of the forests by fire.

Under further provisions of the forest crop law any owner who has entered his lands according to its provisions receives 10c per acre from the state each year for the purpose of preservation and maintenance of the growing timber and no taxes are paid. Rusk county has entered some 57,231 acres of her county-owned lands under this act, Bayfield 57,410, Langlade 26,920 acres and Oneida 26,416 acres. In the case of county-owned lands the county board has full charge of the matter of designating just what lands are to be entered and which are not. In most cases the lands are carefully surveyed, such portions as are fit for agriculture being retained and sold whenever possible.

**RUSSELL'S RICH MILK AND ICE CREAM**

—Make—  
A DELICIOUS ACCOMPANIMENT TO ANY MEAL.  
— CONSUME MORE DAIRY PRODUCTS —

**RUSSELL CREAMERY COMPANY**

SUPERIOR

WISCONSIN



"The Health Builders of the Northwest."



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VISITORS ALWAYS WELCOME

**USE THE MISSABE**  
DEPENDABLE FREIGHT SERVICE

Between  
**DULUTH**

and  
**MESABI AND VERMILION RANGE POINTS**

We solicit your patronage.

**DULUTH, MISSABE & NORTHERN RY. CO.**

TRAFFIC DEPARTMENT  
Duluth, Minn.

**STEAM AND HYDRO-ELECTRIC POWER**

is supplied to more than 100 towns in the Arrowhead by—

**MINNESOTA POWER & LIGHT COMPANY**

**Now ARCO COFFEE**  
Vacuum Packed In  
**USEFUL GLASS JARS**



NOW—when you buy the Northwest's favorite coffee—ARCO—you get this attractive, useful jar at no extra cost. After opening, this vacuum sealed jar is easily sealed airtight—preserving freshness and fragrance while being used. Enjoy this additional economy—enjoy Arco Coffee more than ever. Save the jars—you'll find them useful! Just insist on ARCO.

**THE FINEST QUALITY COFFEE YOU CAN BUY**



**GROMOR**  
MINERAL FERTILIZERS

**FERTILIZE YOUR PASTURES. IT PAYS.**  
Apply Gromor to your soil and grow quality crops. Quality produce sells at a premium. If your dealer can't supply you, write direct.

**BOB WHITE MILLS, Inc.**  
DULUTH, MINN.



**FARMERS!**

Remember, that you have a packing house in Duluth where you can sell all kinds of live stock and receive the top market.

**Elliott & Company**  
DULUTH, MINN.

Stands as the BEST  
**HAM, BOILED HAM BACON AND LARD**  
Consumers are reminded to remember this Brand.

**INCREASE YOUR INCOME WITH OUR CHICKS**

**TRIPLE CERTIFIED NORTHERN CHICKS, BRED TO LAY**

BREEDS	25	50	100	500
Select White Leghorns	\$2.50	\$4.00	\$7.00	\$32.50
Extra Select White Leghorns	3.00	5.00	9.00	42.50
Anconas, Buff & Brown Leghorns	2.50	4.00	7.00	32.50
White and Barred Rocks	2.75	4.50	8.00	37.50
White Wyandottes and White Minorcas	2.75	4.50	8.00	37.50
S. C. and R. C. Reds	2.75	4.50	8.00	37.50
Buff, and White Orpingtons	3.00	5.00	9.00	42.50
Heavy mixed for broilers	3.00	4.90	7.00	32.50
Light mixed	2.50	3.90	6.00	28.00

Discount—\$1.00 per hundred for June and later delivery. No discounts on less than 100 lots.

**Henning Hatchery & Poultry Yards**

HENNING MINNESOTA



**ORDERING BABY CHICKS**

**N**OW IS THE TIME to buy your baby chicks. By placing your order now, and it's only necessary to pay down a small percentage of the purchase price, you can be assured of getting stock from the people you want and at the time you want, for all the hatcheries are now booking orders for early deliveries. And just a word about selecting your hatchery. If there is somebody near you who is in the hatchery business you are fortunate for before selecting the preferred breed you can then visit his plant personally and assure yourself of the character of his breeding flock, and you know whether he is reliable and what your neighbors think of his stock. If you have to look further away from home you should use even greater care. For after all you must remember that the run of human nature is much the same everywhere. There will be careless breeders near at home and careless breeders at a distance. Just because a man is far from home is no reason that his product is superior to what you can buy in the neighborhood. There is one thing, however, if you must send away and deal with somebody whom you do not know personally or who has not been recommended to you, it is a pretty safe thing to bank on that those hatcheries advertising as accredited or state supervised can be depended upon to furnish you with goods that are your money's worth.

**CLEAN LITTERS IS IMPORTANT**

**A** POULTRY FLOCK is very sensitive to the condition of the litter in which they are scratching for a living. When this is allowed to become damp and soggy it soon has the effect on the egg production but they will re-act very soon when clean material is put in and the egg production will start to increase.

One poultryman we know of complained that his hens were dropping off in production and he had no change in feeding rations and his house was kept warm. A little investigation showed he had allowed the litter to get wet and packed. And when the scratch feed was thrown to the flock it would remain on top and the hens did not have to scratch for it. Consequently their feet became cold and wet and production almost ceased. When the old litter was removed and dry litter put in its place the hens soon responded by laying more eggs.

The function of egg laying which is nothing but reproduction, is the chief aim in life of the hen, but unless she is in good health and comfortable she simply will not lay eggs. Every slight change of food or environment will cause egg production to fall off or cease altogether. Laying will be resumed only when the conditions become normal and the birds are comfortable and happy.

**HOW TO FEED POULTRY FOR PROFIT**

**S**TRANGE though it may seem, a hen laying 150 eggs a year is worth three times as much as a hen whose yearly production is 90 eggs. Simple arithmetic proves it, says Prof. A. C. Smith, chief in poultry husbandry, University Farm, St. Paul.

At present prices of feed and eggs, he points out, it takes about 60 eggs a year to feed a hen regardless of her egg output. If it costs 60 eggs to feed a bird, one that lays 90 eggs will return only 30 eggs profit, while the 150-egg hen will return 90 eggs profit, or three times as much.

Of course, the best hens will be poor layers, unless properly fed. Therefore, poultry keepers should be interested in Professor Smith's revised circular "Feeding Poultry for Profit," just published by the Agricultural Extension Division.

**PREPARING CAPONS FOR THE MARKET**

About two weeks before marketing, capons should be confined and fed a special fattening ration. A good ration is 60 parts by weight, of cornmeal and 40 parts of oat flour, fine ground wheat or middlings. This mixture should be mixed with milk to the consistency of cream and fed two or three times daily.

**OAKWOOD CHICKS** For Many Years, The Choice Of Leading Poultry Men

You can now own a Oakwood Flock at the smallest investment ever offered to Poultry Raisers.



	100	500	1000
S. C. White Leghorns	\$8.25	\$30.00	\$59.00
S. C. White Leghorns	8.25	30.00	59.00
Brown Leghorns	8.25	30.00	59.00
Anconas	6.25	30.00	59.00
Barred Plymouth Rocks	7.25	35.00	69.00
White Plymouth Rocks	7.25	35.00	69.00
S. C. R. I. Reds	7.25	35.00	69.00
White Wyandottes	7.25	35.00	69.00
Buff Orpingtons	7.25	35.00	69.00

All Oakwood Flocks are Minnesota State Accredited. Order direct from this ad, or write for Free Catalog.

THE LITCHFIELD HATCHERY, Box C, Litchfield, Minnesota

**HIGHER QUALITY LOWER PRICES**

This year Maple Dale brings you the greatest Chick values ever offered. Never before could you purchase such outstanding quality at such low prices. Maple Dale chicks are bred right to make money. Send your order today direct from this advertisement.

**100% ALIVE DELIVERY - - IMMEDIATE SHIPMENTS**

	50	100	500
Maple Dale Breeding Flocks are pure bred of great vigor and vitality, free range, Northern farm flocks culled and inspected by licensed American Poultry Association Culler and Judge. A. P. A. Certified and fed on cod liver oil.			
S. C. White & Buff Leghorns	\$3.50	\$6.40	\$32.00
S. C. Reds, Brd. & W. Rocks, W. Wyan.; Buff Orpingtons.	4.00	7.40	37.00
All Heavy Assorted	3.25	6.00	30.00
Assorted All Breeds	2.75	5.00	25.00
Mammoth Bronze Poults	14.00	27.50	125.00

TERMS: 25% with order, balance 10 days before shipment. Maple Dale Hatchery Box 53, Austin, Minn.

**— WHITE FEATHER CHICKS AND POULTS —**  
Are "Stronger from the Start!"



Again for 1933—White Feather Chicks will be the foundation for greater poultry profits on thousands of farms throughout the Northwest. Big, sturdy, bright-eyed chicks that LIVE and develop quickly into heavy-laying flocks. That's your assurance of success and profits.

**SAVE MONEY — Big Early Order Cash Discount**

Write today for free four-color descriptive catalog, with new prices and the big early order discount. Learn all about White Feather chicks and poults for 1933.

**WHITE FEATHER HATCHERY Box A, Fairmont, Minn.**

**PARK REGION HATCHERY — STURDY CHICKS**

Every chick from expertly culled pure bred parents, specially fed to insure vigorous stock.

	25	50	100	500	1000
Barred Plymouth Rocks	\$3.24	\$5.99	\$8.99	\$44.99	\$84.99
White Plymouth Rocks	3.24	5.99	8.99	44.99	84.99
Rhode Island Red, S. or R. C.	3.24	5.99	8.99	44.99	84.99
S. C. White Leghorns	2.74	4.99	7.99	44.99	74.99
S. C. Brown Leghorns	2.74	4.99	7.99	44.99	74.99
S. C. Anconas	2.74	4.99	7.99	44.99	74.99
White Wyandottes	3.49	6.49	9.99	49.99	94.99
S. C. Buff Minorcas	3.49	6.49	9.99	49.99	94.99
S. C. White Minorcas	3.49	6.49	9.99	49.99	94.99
Buff Orpingtons	3.49	6.49	9.99	49.99	94.99
Jersey Black Giants	3.74	6.99	12.99		
Light Brahams	3.74	6.99	12.99		

TURKEYS—Day old, 40c each. We ship no less than 15. PARK REGION HATCHERY, Battle Lake, Minnesota

**Day Old PULLET OR COCKEREL BABY CHICKS**

We can guarantee 92% either day old cockerels or pullets in our cross Breeds. Cross consists of Heavy breeds only.

Pullets.....\$9.00 per 100	Cockerels.....\$8.00 per 100
Leghorns, all leading strains, Anconas, Buff or Brown Leghorns \$5.95 per 100. Barred Rocks, White Rocks, S. C. Reds, White Wyandottes, Buff Orpingtons, White Minorcas, \$6.95 per 100. Black Giants, Light Brahams, \$5.50 per 100. B. C. Reds, Buff Rocks, Buff Minorcas, Black Minorcas, White Orpingtons, Silver Laced Wyandottes, \$7.95 per 100. Light Mixed \$5.00 per 100. Heavy Mixed, \$6.00 per 100. Bronze Turkey Poults, \$25.00 per 100. 100% live arrival Guaranteed.	
\$1.00 per Hundred, books order—Book today.	

ST. CLOUD HATCHERIES St. Cloud, Minnesota

**MASTER BRED CHICKS** from flocks culled and mated in strict accordance with our flock improvement program. Bred for Production, Egg Size, Type and Vigor. ALSO MAMMOTH BRONZE POULTS.

Write for prices Little Falls Hatcheries, Dept. B, Little Falls, Minn.

**BUD DALE — CERTIFIED BLOOD TESTED CHICKS**



Hardy Northern Bred Leghorns \$6.00, W. Rocks, White and Columbian Wyandottes, Buff Orpingtons, S. C. Reds, \$7.00 per 100. HARDY HYBRIDS, Cockerels, \$8.00, Pullets, \$8.00, all flocks are 100% Blood Tested.

**FREE** 1 Gal. Special Brooder House Spray with orders of 300 or more chicks received by March 10th. 25¢ Deposit.

**BUD DALE HATCHERY,**  
Dept. D., Donnelly, Minn.



**YOUNG CHICKS DEMAND CARE**

**S**UCCESS in the poultry industry depends to a large extent on the ability to raise and grow to maturity chicks of good physical vigor.

It is a readily conceded fact that the foundation for winter egg production is laid largely during the growing period when the young chicks have range. Be sure that the chicks have plenty of good clean water available at all times, also plenty of shade. For best results, young birds must have access to shade during the hot weather. Provide plenty of hopper space, in which to feed growing mash without crowding. Hopper feeding is much more satisfactory than hand feeding.

**TO PRODUCE CLEAN EGGS**

**W**HEN WE VISIT many poultry houses throughout the producing territory and examine the equipment we can readily see why it is that a large percentage of eggs come to the market as undergrades. We may find a farm flock comprised of from two to three hundred laying hens. When we look at the nesting equipment we find an inadequate number of nests, maybe of boxes of one description or another, nail kegs, etc. During the heavy laying season we often find three or four hens on the same nest. Under these conditions eggs are broken, nests become dirty and, naturally, the product is soiled.

A laying house should be provided with an adequate number of nests, one nest for about five hens. These nests should be arranged conveniently so they can be cleaned readily and disinfected occasionally. The straw in the nests should be changed frequently and the nests should be so arranged that the hens cannot roost on the edges of the nest.

**Use Dry, Clean Litter**

The litter in the house should be dry and clean. It is surprising how much one can reduce soiled eggs by providing clean litter in the poultry house. If the feet of the bird are soiled from the yards by walking around in the litter in the house much of the dirt is removed.

On many of the farms litter is provided only in the late fall and winter months and during the spring and summer it is removed. This is a mistake because it only leads to the production of dirty eggs. One needs only examine the conditions in the poultry house to determine whether or not a quality product is being produced. The environment will reflect the condition immediately.

**Keep the Clean Egg Clean**

A hen lays a clean egg, and it must be kept clean by the producer.

During the spring and summer, arrangements should be made whereby the maximum amount of sunlight can enter into the poultry house. Sunlight is a good disinfectant and also tends to keep the poultry house dry. During the dry weather we have less trouble with dirty eggs. During the damp and wet weather greater precautions must be taken in providing the poultry house with dry litter. The producer must use his judgment in regard to the number of times that he must change the litter in the house.

**THE ROOT OF OUR TROUBLE**

**A** TEXAS GENTLEMAN of some discernment, writing of the present economic state of affairs says, in part: "I have taken my own case, for instance. I see my mistakes and many others have acted likewise. I bought a Ford instead of a farm and it is worn out, but the farm I figure on is still okay. I invested in a radio instead of a cow, and the radio gives static instead of milk."

"I am feeding five nice hounds, which answer to the names of Spearmint, Lipstick, Rouge, Cosmetics and Bayrum, instead of five pigs. I had our piano tuned instead of the well cleaned and traded up my future wages on installments in 1930, so hard times caught me in bad shape for fall."

"If I had only spent my last \$10 for flour and meat instead of gas and oil I would have been okay. I built a nice garage last year instead of covering my barn, and loafed on a mountain for two weeks instead of being in the pasture fixing it so my cow won't get out. She is dry now and mortgaged to boot for two blankets my wife bought from an agent instead of paying the preacher."

"I'm on a cash basis now, but I ain't got no cash. I am tied to the end of my rope and the man I am working for is busted an account of nobody wouldn't pay him, and his cotton won't sell, 'cause nobody won't buy cotton clothes. All the gals wear slick silky stockings and silk underwear right here in our cotton patch. I had \$4.00 saved up for a rainy day, but it turned dry and I spent it for two inner tubes."

"I tried hard to make both ends meet with a turnip patch, but when I got turnips ready to sell, everybody else was selling turnips for nothing and the market was glutted. I am worried plum to the bone and my wife's kinfolks are coming over next Tuesday to spend two weeks."

"Write or phone if you hear of any relief from the government coming down my way. I am willing to be a Democrat or a Republican for a few weeks if that will help out any. Yours very truly in pain, Mike Clark, R. F. D."—Texas-Pythian Banner-Knight.

**"MINNESOTA STATE FAIR CHAMPION BREED CHICKS**—All Varieties. They Win, They Lay, They Pay. At prices anyone can pay, and are Minnesota Standard Accredited and Blood Tested. Parent Stock won over 75 ribbons, besides the Champion Display at the 1932 Minnesota State Fair. Also won 5 Grand Champions and over 700 ribbons at the 1932-1933 County Shows. Chicks priced at \$5.50 and up. Write us about our State Accredited and Blood Tested Turkey Poults.

**EAGLE CHICK HATCHERY**  
Frank G. Schnobrich, Master Breeder  
New Ulm, Minn., Box No. 270 S.

**Kramer's Super-X-Chicks Reliable Leaders for 19 Years!**

19 Years developing parent stock assure you profit makers well known for their 4 point superiority—low first cost, purity, production and livability. Order from these prices before April 1st and deduct \$1.00 Discount per 100. Lowest prices in Super-X History. 25 50 100 1000  
S. C. White, Buff Leghorns ..... \$2.25 \$4.00 \$6.50 \$63.00  
S. C. Reds, Buff Orps, Buff, Brd, and Wh. White Rocks, White Wyandottes ..... 3.00 5.00 8.00 77.00  
Heavy Mixed ..... 2.50 4.00 7.00 67.00  
Light Mixed ..... 2.00 3.25 5.00 50.00  
Send \$1.00 per 100 with order. Postage or Express paid on All Orders of 300 Chicks or More. 100% live arrival guaranteed. Order today to insure delivery when wanted.  
**KRAMER HATCHERY, Fairmont, Minnesota**



**MOOERS' A. P. A Certified Pure**

**Ours** flocks are culled and inspected for size, color, health and egg production by Licensed Judge and Inspectors. When you buy from us you get the best in hatchery chicks. We have the leading varieties and the price is low and the quality is high. Write for circular and prices and our special offer. We are the oldest Central Minnesota hatchery.

**MOOERS' HATCHERY**  
Box D, Sauk Rapids, Minn.

**Walkeracres Hatcheries Are STATE ACCREDITED**

Master Ered S. C. White & Buff Leghorns & Minorcas.....100 500 \$32.50  
Walkeracres Selege White & Buff Leghorns & Anconas..... 6.25 30.00  
White & Columbian Wyandottes ..... 7.50 35.00  
White & Barred Rox, Buff Orpingtons, Lamonkas..... 7.25 35.00  
White Minorcas ..... 7.00 32.50  
Black Giants—\$8.50 per 100; White Giants—\$9.00 per 100; Heavy Assorted—\$6.50 per 100; Mixed—\$5.00 per 100.  
— Terms: \$1.00 per 100 with order, balance C. O. D. —

**WALKERACRES HATCHERIES**

GLENCOE MINNESOTA

**A FARMER'S CO-OPERATIVE**

**Land O' Lakes Creameries**

**LAND O' LAKES SWEET CREAM BUTTER**

**Lowest Prizes on Baby Chicks**

Culled for past eight years for quality and egg production.  
**For Early Orders Only. — Prices Subject To Change Without Notice!**  
S. C. Wh. Leg. large type.....\$5.00 \$55.00 S. C. Reds ..... 5.50 65.00  
S. C. Wh. American Strain, 5.50 55.00 R. C. Reds ..... 7.00 70.00  
S. C. Brown Leghorns..... 5.50 55.00 S. C. B. of Wh. Orpingtons..... 6.50 65.00  
S. C. Buff Leghorns..... 5.50 55.00 R. C. White Wyandottes..... 6.50 65.00  
S. C. Anconas..... 5.50 55.00 Light Brahmas ..... 7.50 75.00  
S. C. Wh. and Bl. Minorcas. 6.50 65.00 Heavy Mix Purebreds ..... 6.00 60.00  
S. C. Barred Wh. or B. Rocks 6.50 65.00 Light Mix Purebreds ..... 6.00 60.00

Chicks from our Key Flock Matings at \$1.00 per 100 to above prices. — \$1.00 Per Hundred Books Your Order. Balance C. O. D. Plus Postage — You get more for your money through Regal Quality Certified Chicks.

**SPRINGFIELD CHICK HATCHERY, Springfield, Box H, Minnesota**

**SUNSHINE TURKEY FARM,**

Largest Accredited Mammoth Bronze in the State. Booking orders for poults and eggs. Prices very reasonable.

**Sunshine Turkey Farm & Hatchery,**

Mapleton Minnesota.

**— SAVE ON YOUR CHICKS —**

Light Breeds (per 100).....\$4.95 and up.  
Heavy Breeds (per 100)..... \$5.95 and up.  
Baby Turkeys ..... 20c each and up.

These chicks and poults are from Bloodtested Stock. Order from your nearest Boote Hatchery.



Fargo, N. D., Dept. S, Worthington, Minn.

**BABY CHICKS** from A. P. A. Certified flocks. All flocks tested for B. W. D. under State Livestock Sanitary Board. Better quality than ever during our six years in business here, at lower prices. Leghorns, \$5.95 per 100; \$29.50 per 500. Heavy Breeds, \$6.95 per 100; \$34.50 per 500.

**FOLEY HATCHERY FOLEY, MINNESOTA**

**WE HATCH FROM FEBRUARY 15TH UNTIL JULY 1ST**

Price List of A. P. A. Certified Chicks—

	50	100	500	1000
S. C. White Leghorns	\$3.50	\$6.40	\$32.00	\$62.50
S. C. Buff Leghorns	3.50	6.40	32.00	62.50
White Plymouth Rocks	4.00	7.40	37.00	72.50
Barred Plymouth Rocks	4.00	7.40	37.00	72.50
S. C. Rhode Island Reds	4.00	7.40	37.00	72.50
White Wyandottes	4.00	7.40	37.00	72.50
Buff Orpingtons	4.00	7.40	37.00	72.50
Assorted for Broilers (All Heavy)	3.25	6.00	30.00	57.50
Assorted for Broilers (Mixed)	2.75	5.00	25.00	50.00
MAMMOTH BRONZE	15	25	100	500 1000
TURKEY POULTS	4.50	7.50	14.00	27.00 125.00 250.00

TERMS: \$1.00 with order—balance cash on C. O. D.

**RICHARDSON HATCHERY Blooming Prairie, Minn.**

**MEADOWS PREMIUM WHITE ROCKS**

ROCKS — REDS — LEGHORNS

White Rocks are the world champions as all purpose birds, lay large eggs and lay the year round. Make wonderful broilers and capons up to 10 and 12 pounds. Our breeders are culled and T. B. tested. Every chick guaranteed. Write for prices. Discount on early orders. THE LEADING WHITE ROCK HATCHERY IN THE STATE.

**THE MEADOW HATCHERY Blooming Prairie, Minn.**

## THE STORY SO FAR

The principal characters in this story is Mrs. Bandine as Mother Bandine and her reformed husband and one daughter Belinda. Mother Bandine has undergone great sacrifices to send her daughter to school and educate as she should be. Belinda is courting a young chap who seemed ashamed of her because of her apparent shabbiness. As our story starts now Belinda has gotten her new dress through money furnished by her father. Mother Bandine could not understand how he could get fifty dollars for a dress. Later on she goes to the barn finds several jugs in the wagon and slowly realizes just how reformed husband is acquiring his money. While she is thinking this over in her mind her husband smokes in the house.

"Oh, mamma, you should have seen Rude—oh, he was just grand. When he stood with his arms crossed, he looked like a Greek god! And what I liked best was when he ran off on that big horse in the last scene. Gee, but he looked romantic! Oh, say, to think he's dead—ain't that a shame?"

Talking—talking about a man who was dead—a man who tonight had played a lover's role, sending girls' hearts palpitating. He who was dead—dead—as the heart of Mother Bandine was dead, as she said smiling:

"Glad you liked the show, Belinda!" then she turned and walked quickly into her room. She did not want Belinda to see her face . . .

At eleven o'clock that night, Gladimir Bandine tip-toed up the steps of the back porch.

"Guess she's in bed," he thought as he mentally retrospected over that most unwelcome conversation which that evening had taken place between himself and Mother Bandine.

He did not care to face Mother Bandine just yet. No, she had a way about her of asking questions which did not concern her. He was going to cross the kitchen and tip-toe up the stairs to his room as noiselessly as possible. He opened the screen door and stepped over the threshold. Groping forth in the dark, he reached the door leading into the hall and his fingers extended to the door knob. As he did this a hand closed about his wrist.

Gladimir gasped—! His thoughts became blank. A silence—a horrible silence, hovered about him and the hand grasping his arm trembled queerly.

"Gladimir Bandine," a voice commanded close to his shoulder, "I want to talk to you."

Gladimir breathed—his worst fears had been realized. That hand was the hand of Mother Bandine!

"Let me go! What you snooping around here in the dark for?" he asked, trying to laugh.

"I want to talk to you!" came the flat voice at his shoulder.

"Well, put on the light, do something. Don't stay there like a ghost."

Sit down Gladimir," the voice said.

## "MOTHER LOVE"

A beautiful story of the greatest of all enduring affections—a mother's love.

By ROSA ZAGNONI MARINONI

Author of "Some Time—Some Day," "Love Rainbow," "Peter Kaine."

The hand pulled him toward the window. A streak of moonlight splashed the floor where a chair stood resting. Gladimir followed, his mind working. The hand directed him to the chair. Gladimir sat down. Mother Bandine remained standing before him, her hands tormenting her fingers. He could hear her knuckles snap at intervals.

"Well, can't you talk? I want to go to bed!" he drawled finally. Mother Bandine remained silent.

"Well, I guess I'll smoke," stammered Bandine. He reached into his pocket, manipulated a tin of tobacco, thumbed some of the contents into the pipe bowl, then struck a match against his trousers. The glare tore a hole in the darkness, lighting Gladimir's face grotesquely, sending the shadows of his trembling fingers scampering over his shirt front. "Well?" he asked, leaning back and gulping a mouthful of smoke. Mother Bandine tried twice to talk, then the words came, hollow, jerky, savorless, in their tragic lifeless tone.

"I—I found it," she said. Gladimir started. The smoke stabbed at his throat, he coughed—a silence followed—then . . .



"Well, what are you going to do about it?" he asked through parched lips.

"You can't do that, Gladimir." There was threat and plea in the spoken words.

"No? Whose gonna stop me? You keep out of my affairs, this is no thing for women." He bent forward, fired by what he felt to be his right.

"I don't meddle in your business so don't you meddle in mine."

"Gladimir, this is my business, can't you see it's my business?"

"No, I don't. I'm not going to stand here with my hands in my pockets when there is a chance to make money. A chance of making in a single night what you make in a week. Not I. What wrong is there in—in what I'm doing? Nothing! New fangled notions, new fangled laws! A man's got the right to do what he wants. This is a free country!"

"Gladimir, you can't do wrong in a free country, and you are doing wrong. You—you are selling that stuff to minors—to students."

"How do you know whom I sell it to?"

"I found a boy in—in the wagon tonight—" Gladimir rose to his feet, his eyes straining to look into the face of the woman before him.

"What did you do to him? Where is he?" he asked under his breath.

"He—he ran away—"

"Oh," and Gladimir sat down relieved.

"You can't get by with this thing, Gladimir," resumed Mother Bandine. "You've got to give it up. I can't stand here and have our house disgraced, pointed to as—as a bootlegger's joint! Think of Belinda—of all I have done for her. I moved in town for her—I moved away from the neighborhood of the factory so as to give her the chance of being among the best. I've been working for her, Bandine—don't put her down, don't push her under! You don't need to do what you are doing. You want money? There is always as much as you need. Ask me, that's all, ask me and it's yours. It's there in that can—plenty of change—plenty—just ask me?"

"Sure, like a beggar."

"A beggar is better than a — a bootlegger!"

"It's all in the way you look at it," grunted Gladimir darkly. "I'm going to do this as long as I please, see? And you-can't-stop me . . ." His words fell like layers of mud on a coffin—the coffin wherein lay Mother Bandine's dream.

"I can't, eh?" came the helpless question.

"You can't! What can you do to stop me?"

"I—I—I—" the Gladimir laughter lashed at the timid "I—I" of Mother Bandine's.

"Yes! You tell on me? Then where's the good name you're so afraid of spotting going to?"

Mother Bandine felt herself sway forward. Yes—where would her good name go? Belinda—the daughter of a bootlegger! She turned impetuously toward her husband, her fingers trembling, the words weeping from her lips:

"Gladimir, don't we mean anything to you, Belinda and I? Can't you see—can't you see, Gladimir?" and her hand fumbled for Gladimir's and Mother Bandine knelt beside that chair, covering her face with her hands, and wept against Gladimir's knee.

"Say, you can't make me do things your way through women's notions. Say, you can't make putty out of

me with sniffiness," Gladimir said, laughing, feeling now that he was a Gibraltar-man against whom Mother Bandine's adamant will had not power. And Gladimir Bandine rose to his feet and walked to the door.

"You just get over it, girl, you just get over it, I can take care of my little self all right, all right—"

Mother Bandine sprang to her feet. She rushed to the side of her husband, her hands clutched at his shoulders desperately.

"Listen!" she said steadily. "Listen! You know and I know, that I can't give you up to the law, that I can't have you thrown into jail where you belong! But I know, and you know that I am going to sledge hammer every jug, bottle or gallon I find about this place! Yes, you can be a bootlegger, I can't reform you! But you are not going to make my home a bootlegger's joint. I'm going out now and destroy that stuff, and so help me the Good Lord, I'll break every gallon bottle and jug I find around here after this. And let me tell you one more thing, Gladimir, Bandine, I can't do anything to make you stop this, or to have you punished, but—but you know and I know that you are doing wrong. You'll get what's coming to you. You won't get by with it! Remember that, Bandine. You won't get by with it! And it's I—your wife that's telling you this! You can't get by with it!"

Gladimir felt a cold chill crawl up his back. Generally and to be more exact, invariably, what Mother Bandine said in her final tone of voice, came to pass. And now she had said "he was not going to get by with it." Well what did she mean? If she was not going to tell on him, who was? Who was going to punish him for what Mother Bandine and Uncle Sam had labeled wrong!

He laughed and shrugged his shoulders and went to turn toward the door leading into the yard, but Mother Bandine reached the door before he did. She opened it and swept past him into the night.

Gladimir stood by the door listening, his head thrust forward.

One crash reached his ears, another followed. A window opened upstairs. "Hey! what's going on down there?" called one of the boys. More crashes followed, Bandine bit his lips.

"Hey! What's the matter?" another boy called out, and Mother Bandine's voice answered, as she came calmly across the yard.

"That's all right, boys, I was killing a snake that got after the little chicks."

"Want any help, Mrs. Bandine?"

"No, not tonight boys, good-night!" And Mother Bandine entered the house which from that day on harbored a bootlegger but was not a "bootlegger's joint."

(Continued next issue.)

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## LAND COMMISSION RECOMMENDS TO LEGISLATURE

To His Excellency the Governor of Minnesota,

Sir:

On December 21, 1932 the Committee on Land Utilization presented to you a progress report incorporating certain conclusions and recommendations. Its final report, as indicated at that time, will contain detailed information and a number of specific recommendations relating to a land policy for Minnesota. The Committee expects to include in its final report a division of northern Minnesota into areas of substantially similar characteristics and problems with a description of each area. This general classification will lay the foundation for a more complete classification.

The State within a few months will be faced with the problem of the proper handling of several million acres of tax delinquent land that will revert to it. This makes it urgent that the State provide at once for agencies to develop policies and procedure for the administration of these lands. Such agencies for handling the lands will have to be provided both for the State as a whole and for the counties in which tax delinquency is a serious problem.

Pending the completion of the final report, your Committee recommends the creation of two agencies: A permanent State Land Use Committee and county land classification committees.

### Land Use Committee

A. That a permanent Land Use Committee should be created by legislative act, to be constituted as follows:

The Governor—as chairman ex officio.

The Chairman of the Conservation Commission—as vice-chairman.

The Conservation Commissioner—as executive secretary.

The Commissioner of Agriculture.

The Commissioner of Education.

The Commissioner of Highways.

The Chairman of the Tax Commission.

B. That all questions of land policy and land classification not covered by legislation shall be referred to this Committee and be determined by it in accordance with law.

C. That this Committee shall have the power and the duty to consult with all national and state agencies concerned with land policies, and to create such advisory committee or committees as it deems wise.

D. Since there will be need for temporary regulations to prevent unwise sales, leases, and use of the tax-reverted lands, it is desirable that the Committee be authorized and directed to prepare interim regulations as to sales, leases, and uses of such lands.

### County Land Classification Committees

Your Committee recommends that authorization be granted for the creation of a County Land Classification Committee in each county concerned, with powers to consult, ad-

vis, and cooperate with the Land Use Committee in the classification of lands and in land policies.

The county committees should consist of—

The county auditor—as chairman.

The chairman of the county board.

The treasurer.

The highway engineer.

The superintendent of schools.

In counties having a county agricultural agent, such agent should be invited to sit with the committee in an advisory capacity.

Your Committee believes that final approval of any land classification should rest with the Land Use Committee of the State and that such Committee should determine the policies to be followed in the sale of reverted land.

### Land Economic Survey

The preparation by the Land Use Committee of interim regulations as to sales, leases, and uses of the forfeited land is to meet the immediate situation so as to prevent unwise use of the land. While the final report of your Committee will contain much data and a general land classification and a permanent land policy. Your Committee believes, therefore, that with this general classification as a background a land economic survey should be undertaken to supply this necessary information.

The type of survey we have in mind is not an expensive detailed study by legal descriptions, but a more general inventory and appraisal of land resources to enable the proper authorities to develop policies and to perform executive functions with an adequate knowledge of the facts. To this end, we recommend:

A. That a land economic survey be made in the northern counties in which extensive areas of land are now reverting to the State.

B. That the general direction of the survey be vested in the Conservation Commissioner, as executive secretary of the Land Use Committee, who shall report progress and make recommendations from time to time to that committee.

C. That a temporary staff shall be created for this purpose, headed by a Chief of the land economic survey under the Conservation Commissioner. We believe that an annual appropriation of \$20,000 to \$25,000, coupled with other funds and resources of the Department of Conservation, will be adequate to complete the type of survey we have in mind, within a four-year period.

D. That in conducting the land economic survey the Conservation Commissioner shall consult with the Commissioner of Agriculture and all other interested departments of State government, the University of Minnesota, and the United States Department of Agriculture. These departments and agencies should be urged to assist and cooperate as fully as possible in the survey.

Respectfully submitted,  
L. D. Coffman, chairman,  
Committee on Land Utilization

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**TOP VEGETABLE OF 1932**  
THIS TIME OF YEAR folks are mulling over the seed catalogs and building up their seed lists for the coming year. We had some fine response in the fertilizer garden last summer, but, as we had to place many varieties on raw land, recently graded, we had some losses. It takes more than one dosage of manure, heavy though it be, to put row clay into productive shape. Sweet corn ran in this order: Pickaninny (best); Sunshine, Banting. There was a tie between Thomas Laxton and Peter Pan for first place in peas. Others in order were: World's Wonder, Blue Banting, Amser. Then followed Hundredfold, Little Marvel, Laxtonian, Sutton's Excelsior and Alaska last. Red River tomato has come to be our pioneer of the dwarf northern varieties. The new one, Agassiz, also from North Dakota, tied with it last summer. The others in order were Progress, Viking, Bison. This station has several selections of its own coming along as early as those listed. Chantenay again proved the best carrot. Ten varieties follow thus: White Giant, Danvers, Nantes, Coreless, Long Orange, French Forcing, Yellow Champion, Pride of Denmark, Oxheart, Rubicon. These placings are made on basis of yield only; quality is not involved. Australian Brown was the top onion last year. Sutton's Yellow Globe ranked next; North Dakota White Globe, third. Red Wethersfield and Ebenezer tied for fourth place. Southport Yellow Red and White Globe made up the balance of the test. Fertilizer tests were also conducted. The best showing was made by the mixture 4-16-4 and the poorest by Sulphate of Ammonia. The amount used in both cases was 200 pounds per acre. The lot 4-8-6 was as effective as the same amount of the double strength 8-16-12 and the 200 pound quantity was equally as good as 400 and 600 pounds. Doubtless the limiting factor was the dry weather, which made it impossible for the plants to use all the available supply.

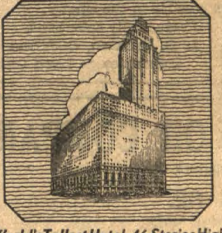
**DAIRYMEN HONORED.**  
(Continued from Page 1.)  
Ahlen, president of the Duluth Chamber of Commerce; by Alfred Hoel as president of the Minnesota Arrowhead Association, Duluth, and by George Bishop, secretary of the Upper Peninsula Development Bureau of Michigan. All of these various organizations have combined with the Ironwood Association of Commerce to stage this year's Congress.  
The Grand Champions and Champion Dairymen of Greater Cloverland, will be introduced between 1:30 and 2:00 o'clock and rich diplomas signed by the governors of the three states will be presented, rather than the cups which previously have gone to these dairymen. The presentation of these diplomas and certificates and awards to others outstanding in the Cow-Testing Associations, will be made by Mr. Bishop.  
Following this, R. E. Horwood, Upper Peninsula dairy specialist, will in-

roduce Dr. O. E. Reed, chief of the Bureau of Dairying of the United States Department of Agriculture, who will deliver one of the principal addresses of the afternoon. Dr. Reed's talk will be on the topic—"Dairying: Its Scope and Limitations."  
At 3:10 o'clock, Dr. B. H. Hibbard, economist of the University of Wisconsin will be introduced to the Congress by J. B. Patriek, chairman of the Board of Supervisors of Gogebic county. Dr. Hibbard will talk on "Returning the Farmer's Dollar to Its True Value," which is the theme of the Sixth Annual Congress.  
Closing remarks at the afternoon session will be presented by Walter H. McGenty, founder of the Congress and publisher of the Stock & Dairy Farmer.  
The purpose of the champion dairymen's contest, which is conducted several months prior to each Congress, is to give added impetus to dairying activities in upper Michigan, Wisconsin and Minnesota.

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**HOUSEHOLD HINTS**

**T**O KEEP the temperature not too high in your living rooms and to keep it humid or moist to a degree will aid in preventing tuberculosis. Hot, dry air makes the air passages of nose and throat too dry and permits germs an entrance to possible cracks in their tissues. If these tissues are moist, they are protected by natural mucus linings.

If you scald milk over a direct fire, first put a little water into your kettle and pour it out. This prevents the protein in the milk from coagulating next to the bottom of the kettle and burning quickly. Watch milk which you have put on to scald, that it does not scorch nor boil over. A safer way to scald milk is to put it in a double boiler. When the water boils underneath the milk will scald.

To butter bread crumbs, melt the butter over a low fire and stir the crumbs into it.

To prevent candle grease from dripping on the birthday cake trim the cake with marshmallows and stick the candles into these. The marshmallows may be removed without harming the cake, or the marshmallows may surround the cake in a circle.

**SEASONING**

**M**ANY A TAME staple food may be dressed up beyond recognition with skillful seasoning and so made delectable to the family, who soon become tired of foods served the same way day after day. Clever seasoning is the art of the thrifty housewife who cannot afford to purchase rare viands but must devise some method of fooling her family into thinking the plain foods are delicious.

Onion, either chopped or scraped, is an old stand-by. Celery leaves, dried, are useful for soups or stuffings. Save your celery leaves and hang them up in a paper sack to dry. Celery seed is also useful for soups, stuffings, potato salads and cold slaw or other salads. Mint leaves and water cress may be used for the same purpose. Mint is often used in the cooking of lamb. A tiny dash of mace adds interest to green or canned beans. A "suspicion" of nutmeg gives a new flavor to soups. A "ghost" of curry powder improves salad dressings. Chili sauce or cat-sup transforms plain salad dressing into something "different."

In your garden, or in pots, or window boxes in the winter, grow parsley, chives, thyme, mint and tarragon. All of these plants grow readily in the kitchen.

**HOOKEO RUGS**

**I**NTEREST in colonial furnishings has made a revival in hooked rugs. Many women are making these for their living rooms or bed rooms. It is a joy to make something beautiful, with one's own hands, for the dear home; and hooked rugs are an economy and last almost forever, if made of good materials. There is no end of designs to choose from. Be careful to choose one which is really pretty and refined.

The foundation for a hooked rug is a material which is strong and loosely woven. They have such materials now which resemble burlap

but are stronger and less likely to deteriorate from moisture and sunlight. A flimsy material will not hold up well and it does not pay to use such as a foundation.

Our grandmothers gleaned the filers for their hooked rugs from their scrap bags, but one can buy new materials today, cut in strips especially for this use; and we are not likely to have many new scraps of goods in this age of ready-mades.

It pays to put a lining on the back of your hooked rugs. The lining makes them wear longer; gives them body, makes them less prone to curl up, and prevents the grit and dirt from getting into the fabric and cutting the stitches on the back. A closely woven, firm material such as denim or canvas, makes a good lining.

**THE MINNESOTA ARROWHEAD ASSOCIATION**  
—Heartily Endorses—  
**THE TRI-STATE DAIRY CONGRESS**

To be held in Ironwood, Mich., on March 18th for the recognition of the men who are leaders in the ownership of high producing dairy herds in the cut-over section of the three lake states. As the Sixth Annual it is hoped it will be a complete success.

This association considers dairy-development fundamental for the prosperity of this section.

Folders on the agricultural opportunities of the Minnesota Arrowhead Country, Summer vacation attractions and information on Lodges, Resorts and Cabin Camps will be mailed to your friends in other states on your request. Please state nature of material you want sent with name and address.

**GEORGE PERHAM, Executive Secretary.**

315 W. SUPERIOR STREET DULUTH, MINN.

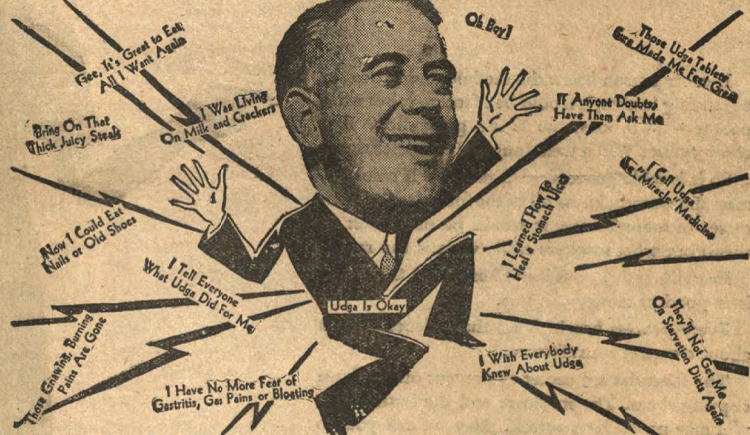
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**Stomach Sufferers** **AMAZED With Results of Udga Treatment**



**Acid Stomach Imperils Life of Millions**

Hyperacidity (acid stomach) is, as every physician can tell you, the curse of millions. It is the most common cause of stomach or gastric ulcers, gas pains, dyspepsia, indigestion, gastritis, pains after eating, gnawing pains, heartburn, bloating, constipation and other distressing conditions.

**Double Acting Treatment**

To combat these conditions you need a treatment that will first neutralize the excess acid secretions and then protect, soothe and tone the membranes or stomach lining in order that the natural process of healing may take place. This double acting feature is ideally combined in the now widely used Udga Treatment and is responsible for the excellent results this treatment has produced in thousands of cases.

**Prescription of Noted Stomach Specialist**

The Udga Treatment is a simple harmless preparation based on the formula of a noted stomach specialist. Only pure, scientifically compounded ingredients are used. No opium, no narcotics, no habit-forming drugs. It cannot harm anyone and according to reports from users has given complete satisfaction in many thousands of cases arising from acid stomach to severe ulceration of the stomach or duodenum. Hundreds of these were cases of long standing and many had been pronounced hopeless, yet they state that after using the Udga Treatment they are entirely free from their former trouble.

**Read What Users Say**

Here are just a few statements voluntarily sent to us by users of the Udga Treatment who have proved its merits by actual tests. These testimonials are genuine and are typical of more than 54,000 expressions of gratitude sent to us from grateful users living in all parts of the world.

**Could Have Saved \$1,000.00**

"One thousand dollars in cash I would now have and ten years' suffering avoided if I had known of your medicine ten years ago." Leon Peters, Honolulu, H. I.

**Could Eat Nails**

"I did not want to praise your tablets until I proved to myself what they would do. I now feel that I could eat nails or old shoes." W. Huckshead, 1908 So. Harding, Chicago, Ill.

**No More Ulcer Pains**

"Now I am feeling fine and am perfectly normal again after suffering for six years from stomach ulcers." Arthur E. Barnabe, 27 Douglas, Ottawa, Ont., Canada.

**Sincerely Recommends Udga**

"I now eat good, digestion is fine and sincerely recommend your tablets to anyone suffering from stomach trouble." Thomas Lessard, 107 W. Canton St., Boston, Mass.

**Now Eats Heartily**

"As you know I had a very bad case of ulcerated stomach and took hospital treatment as well as any number of other 'cures' with no favorable results, but ever since Udga did the trick I can eat anything without any bad results." J. B. Wurster, 7611 Colgate Ave., Cleveland, Ohio.

**Udga is Best**

"I find your medicine is the best thing I have taken for stomach trouble and I have tried everything in the world for over 25 years." Thos. J. Donly, 2421 N. Drake, Chicago, Ill.

**A New Person**

"I suffered untold agony for 7 years and grew worse all the time. Numerous doctors failed to give me relief. A friend gave me your address. I lost no time in sending for your tablets. Thank God they made a new person of me." Mrs. Margaret Seidel, 250 Sumpter St., Brooklyn, N. Y.

**Offered on 15 Days' Trial**

And now that the merits of this splendid treatment have been conclusively proved, the distributors invite all sufferers to try it at their risk and are willing to send a full 15-DAY TREATMENT ON TRIAL. So if you can believe what your own stomach tells you—if freedom from stomach pains, distress and misery are the surest proof of results, accept this liberal trial offer and see for yourself what the Udga Treatment can do for that sick stomach of yours.

**Clip and Mail Now**

Udga, Inc. 656 Foot-Schulze Bldg. St. Paul, Minnesota  
Please send me your 15-DAY TRIAL OFFER on the Udga Treatment. Also free copy of your book on stomach troubles, testimonials, affidavits of genuineness and \$1,000.00 Reward Offer to back it up. This does not obligate me in any way.

Name \_\_\_\_\_  
No. and Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_

# The Chesterfield FORMULA—what is it?

*The formulas and processes which make Chesterfield a milder and better-tasting cigarette are secret—to prevent others from copying them*

If every person knew the method and processes of tanning leather, it would be of interest; but what people want to know is: Is it a good shoe? Is it comfortable? Will it wear longer? Is the price right?

So it is with Chesterfield Cigarettes. If smokers, men and women, knew all of the formulas and processes of manufacture, it would be of interest to them; but what smokers really want is the result.

Everything that goes into Chesterfield Cigarettes is as good as money can buy.

Every process has in it all that science knows about cigarette manufacture.

The formulas are secret to prevent others from copying them. The mildness and the better taste you may prove for yourself. May we ask you to try Chesterfield?



Wherever you buy  
Chesterfields, you get  
them just as fresh as  
if you came by our  
factory door



*They Satisfy*—people know it