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**Mrs. Wagar Explains Works of Associated Farm Women**

In Their Way They Intend to Contribute to Better Farm Living.

By MRS. EDITH M. WAGAR

In Michigan, from the beginning, Farm Bureau women have not wanted a separate organization for women; our women wanted to go along with their husbands. For all things pertaining to farm life are as vital to women as to any other member of the family.

We still hold to that decision. But why The Associated Women of the American Farm Bureau Federation you ask? We do not think of this as a separate organization but as a great division of the parent structure, just as the son's home is another unit of the old homestead, perpetuating the old name, upholding its standards, and broadening its influence.

This Farm Bureau movement is big enough and with a scope large enough that it can branch out in this way and reach thousands of farm folks who perhaps otherwise would not be enrolled. At the same time no part of our program has been weakened or neglected.

At the last annual convention held in Chicago the tremendous influence of the Associated Women was beginning to be realized.

Women who attended came to realize the part they could play in this battle for better farm living. There was brought to their attention the great national problems of education, child welfare, rural electricity, farm relations to the consumer, world peace, legislation effecting the rural home and community.

It was with pride that we heard of the appointment of Mrs. Abbie Sargent, the first president of the Asso-



Mrs. Wagar

ciated Women, to a position on the General Advisory Committee of the Social Security Act. This appointment came through the Secretary of Labor, Frances Perkins. This is just another step in co-operation and will be another means to promote agricultural advancement.

**An Encouraging Unity.**

Opponents of ours seem to be springing up under most appealing cloaks. It's "anything to keep the farmer from agreeing with his neighbor" in a sane remedy for his difficulties. The most encouraging feature of the agricultural conference called in Washington during the past month, was the fact that all national farm groups had united on a policy that they hope is constitutional beyond question.

It was indeed gratifying to learn that before the conference had adjourned that the representatives of the National Farmers Union had applied for membership in this National Agricultural Conference and had been admitted, with their organization pledged to support the policy.

The leadership of any great industry must agree on fundamentals affecting that industry if they hope to get the consideration they claim as their right. We cannot afford to have a divided house.

The woman in the farm home can wield a tremendous influence if she keeps her family looking steadfastly at the goal, ignoring spectacular attempts to disrupt a united front for what is right and just for her family. This is the one aim of the Associated Women of the American Farm Bureau Federation of which some 310,000 farm women are now enrolled.

**Many Farm Electric Lines Are Under Way**

(Continued from page one.)

\$3.56 under the Michigan plan. 250 kilowatt hours will cost Logan county farmers \$8.95 as against \$6.56 under the Michigan plan. The Logan County Ass'n is responsible for upkeep and management of its lines, which it will own in 20 years.

Cost per mile of the Logan County lines is not stated by the REA, but the same article quotes 270 miles of rural line for 1,005 customers in adjoining Shelby County Rural Electric Co-operative, Inc., to have cost \$903 per mile, for an average of 3.7 customers per mile.

In the opinion of the Michigan State Farm Bureau, farmers have only to decide whether it is most advantageous to buy power at standard city rates from a large public utility (included in the \$2.50 monthly guarantee in Consumers' territory), or go into the power distribution system themselves and work out a twenty year debt.

In some communities in Michigan, no one knows how many, there is no public utility service, or the existing public utility is not in financial condition to embark on much farm power line construction; perhaps, cannot do it at all. In such instances, farmers have no choice. They must build their own lines if they are to have any. The Rural Electrification Administration proposals are fair and square in every respect. However, it appears plain to us that such groups can expect their lines to cost somewhere around \$1,000 per mile, and that the cost of current plus payment and interest on the loan and other necessary expenses may make electricity cost around \$5 the first 100 kilowatts for the first 20 years.

**REA Summary to Date**

The Farm News has reports on the first 17 REA loans made. They cover a total of 2,729 proposed miles of farm lines in 11 States, to serve some 10,538 customers. The amount loaned to them is \$3,052,562. There is an average of 3.9 customers per mile. The construction cost runs from a low of \$832 per mile to as high as \$2,000 per mile for one 3 mile unit in Illinois. The average is \$1,100 per mile. The average retail rate for the first 100 kilowatt hours is \$5.06. The lowest is \$3.50, in 2 instances in the Tennessee Valley Authority region. The highest is \$6.60 in Idaho.

**Prospects for Lower Rates**

In Michigan communities where power companies have adopted the Michigan plan, farmers have a choice between the two plans. We are of the opinion that the terms and regulations drawn by the Michigan power companies for the new plan will be modified in time, rather than tightened. The tendency for electric consumption in Michigan has been steadily up since 1921, and the average rate charged for all kilowatt hours consumed has dropped nearly half of what it was in 1921.

We believe that farm customers haven't much to worry about in the matter of their consumption of electricity. The average annual kilowatt hour consumption for ALL city and rural residence electric sales in Consumer Power territory has grown from 347 KWH in 1921, to 500 in 1929, to 601 in 1932. The average annual consumption of ALL MICHIGAN FARM USERS in 1934 was 712 kilowatt hours.

That's an average of almost 60 kilowatt hours per month. At standard rates that figures \$2.76 average monthly consumption on Michigan electrified farms. The guarantee at 5 customers per mile is \$2.50 per month.

The Farm Bureau would like to see the Consumers Power Co. guarantee period revised to not more than 5 years from the date the line goes into operation. We believe that the operation of the plan itself will recommend that change.

**Eggs that HATCH Chicks that GROW**

HOW TO GET THEM

1. CHOOSE breeders carefully. Males should be vigorous; hens healthy and full-bodied, laying 50% or better.
2. FEED breeders all they will eat of a mash rich in minerals and in Vitamins A and D. Mash containing Norco XX are guaranteed to contain a plentiful supply of both these important vitamins.
3. SET only eggs of normal shape and color and weighing at least 24 oz. per dozen.
4. START your chicks on a mash containing Norco XX to supply the Vitamins A and D they need for fast, sound growth, straight legs, health and vigor.
5. WRITE today for your free copy of valuable new booklet, "25 Profitable Chick Brooding Suggestions."

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**CUT CALF-RAISING COSTS** by feeding a calf meal containing Norco XX, or Norco XX with skim milk, instead of whole milk. Our folier "A New Way for Dairywomen to Raise Thriftier Calves" tells how. Get your free copy.

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Farm Bureau Brand materials plus the advice of your local Experiment Station will enable you to control pests and disease both safely and profitably.

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**Presidents of Michigan County Farm Bureaus**

Urging his horses to go a bit faster only to see the train he was trying to catch leave the station, the driver turned his team about and headed on through the blizzard to White Cloud where a Newaygo County Farm Bureau meeting was to be held that day. It meant a 40-mile drive through the drifts before the team and driver would again return home but a Farm Bureau meeting couldn't be missed, especially when one was a director on the county board.

That day was during a winter of 15 years ago. The driver of that team was Mr. Nels Hanson of Ennsley Twp., now president of the Newaygo County Farm Bureau. Mr. Hanson attended that Farm Bureau meeting as he has attended almost every Farm Bureau meeting since then. Born and raised on the family farm near Howard City, Mr. Hanson, with his brother, Hans, now operate the 200 acres under the name of Hanson Brothers. They specialize in certified seed and registered stock.

"Everything is registered, even the dog," laughs Nels. Milk from the eight registered Holsteins goes to the Grant Co-operative Creamery. Aside from the cream, the cash comes from beans and potatoes. Certified seed potatoes at one time was a hobby of Nels' but with spud prices diminishing recently, it became too expensive fun.

Always a leader in community affairs, Mr. Hanson has been on the



Nels Hanson

Township School board for 12 years and on the Town Board the same time. He was at one time president of the Sand Lake Co-operative Association and has been a member of the Grange for the past 25 years.

Mrs. Hanson is also actively interested in organization work and a member of the Grange. She is the daughter of Mr. G. R. Warren of Brookside, one of the founders of the County Farm Bureau and secretary-treasurer for years, in fact until failure of health forced him to retire. The Hansons have four boys, all at home. Three are musically inclined and members of the Ennsley Center band.

**Harris President of Northwestern Bureau**

Traverse City.—James Harris, Traverse City, was elected president of the Northwestern Michigan Farm Bureau at its annual meeting here.

Other officers are: Vice president, Stanley Garthe, Northport; Secretary-treasurer, Roy Hooper, R. F. D. No. 1 Traverse City; directors, Harry Lautner, C. A. Leighton, Van Gleason and Alex Carroll of Traverse City, Edward S. Rawlings and Charles A. Wood of Kingsley, Frank Duck of Williamsburg, James Dymond of Empire and Fred Bassett of Northport.

The executive committee comprises Harris, Garthe and Hooper.

Farmers Co-operatives of the Grand Traverse region that have a certain number of farm bureau members in their organization have the privilege of nominating members to the district Farm Bureau board. Organizations that exercised this privilege were Traverse City Farmers Co-operative, Kingsley Co-operative, Farmers Progressive League, Cherry Growers Packing Co., and Leelanau Township Farm Bureau.

One hundred seventy-five members and their wives heard Mr. Fred Dobyn of Mancelona give her prize winning talk on "The Farm Home and the World Today."

Even during the time of Julius Caesar, January sales were exciting events.

**Live Stock Markets**

The Ford dealers of Michigan are now sponsoring the Michigan Live Stock Exchange broadcast of live stock markets every week day except Saturday over station WXYZ and the Michigan radio network.

**Propose U. S. Oleo Tax**

Washington—A federal tax of 10c per pound on all butter substitutes has been proposed in a bill before congress, and drawn by Representative Culin of New York state.

**STANDARD GARDEN TRACTORS**  
Flow Seed Cultivator  
Now Easy to Operate  
and LAWN MOWER  
STANDARD ENGINE CO.  
4028 COM AVE. MINNEAPOLIS, MINN.

**FREE NEUHAUSER GOOD LUCK CHICKS**  
25 lbs. Purina Chick Starters FREE with each 100 "Good Luck" Chicks  
Think of it... 25 lbs. of feed FREE with 100 chicks... 10 lbs. FREE with 50 chicks... 5 lbs. FREE with 25 chicks...  
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**NEW IDEA Spreader**

The Machine of Outstanding Quality

SUM up every quality feature that you can possibly ask for in a spreader: Easy loading to start with. Short turning radius, stability and handiness to save time in getting about. Light draft so that your team can work faster. Ability to handle and shred the toughest, most stubborn manure. Efficient pulverizing and spreading in a truly wide and even blanket of fertility. Positive control which enables you to apply the exact number of loads per acre that you want to. Add to all these a durability, ruggedness and freedom from repairs that is almost unbelievable—and you have exactly described America's leading spreader—the NEW IDEA. Thousands of farmers can testify that the high grade materials, careful workmanship and perfected design of the NEW IDEA Spreader have never been excelled in any piece of farm machinery.

NEW IDEA Spreaders are built in two sizes. Model 8 for heavy users. Model 9 for average farm. Mail coupon for complete description.

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NEW IDEA, Inc., Dept. 88, Coldwater, Ohio  
Send free information on machines checked.  
Manure Spreaders  Hay Loaders   
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**You Can Provide Money for the Future:**

- TO EDUCATE CHILDREN
- TO SET UP A RETIREMENT FUND
- TO TAKE CARE OF DEPENDENTS
- TO CREATE A CASH ESTATE
- TO ACCUMULATE FUNDS FOR TRAVEL AND RECREATION

**Your Investment Increases 33 1/3% in 10 Years\***

United States Government Bonds for many years have been the prime investment for banks, corporations and other purchasers of securities.

United States Savings Bonds are direct obligations of the Government and combine safety with certain provisions designed to meet special requirements of investors. They offer a fair return for those who seek investment of funds on hand and for those who wish, during their productive years, to put aside regularly some of their income at compound interest for future use, whether for themselves or as gifts to others.

United States Savings Bonds are sold on a discount basis—for example, a bond worth \$100 at maturity can be bought today for \$75. Unlike coupon bonds or other Government obligations, these bonds do not pay immediate interest, but constantly increase in guaranteed cash surrender value from the first year until they mature at the end of ten years, when their face value will be paid in cash. They may be redeemed at any time after sixty days from date of purchase at fixed prices. They are, therefore, not affected in dollar value by market conditions and are free from fluctuation. These bonds are essentially savings bonds. A maturity value of \$10,000 of these bonds issued in any one calendar year is the maximum amount which may be held under one ownership.

Approximately 997,000 United States Savings Bonds have been issued since they became available on March 1, 1935. These sales total to January 1 of this year is approximately \$270,000,000 maturity value—an average sale of approximately \$1,000,000 for every business day.

The Treasury Department seeks to extend the ownership of this form of security in the belief that the purchasers will benefit through a wider distribution of its obligations.

United States Savings Bonds may be bought at any post office, or direct-by-mail from the Treasurer of the United States.

**TO ORDER BY MAIL**

TREASURER OF THE UNITED STATES, DEPARTMENT 210, WASHINGTON, D. C.

Enclosed find check, draft or money order for—

NUMBER

..... \$25 United States Savings Bonds at \$18.75 \$.....  
..... \$50 United States Savings Bonds at \$37.50 \$.....  
..... \$100 United States Savings Bonds at \$75.00 \$.....  
..... \$500 United States Savings Bonds at \$375.00 \$.....  
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Total \$.....

Register in the name of \_\_\_\_\_  
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Your personal check will be accepted, subject to collection, or you may send bank draft or money order. Do not send currency by mail. Make checks payable to Treasurer of the United States.

**PURCHASE AT YOUR POST OFFICE OR, IF YOU PREFER, ORDER BY MAIL**

### REID ADDRESSES LAPEER ANNUAL

#### Says Farm Bureau Program Seeks Business, Social Justice.

Clarence J. Reid, vice president of the State Farm Bureau, described the organization as backing a program of business, social and economic justice for the farmer at the annual meeting of the Lapeer County Farm Bureau recently.

Resolutions urged federal legislation to conscript capital as well as men in time of war; opposed transfer of any agricultural activities from the U. S. Dept. of Agriculture to the Department of Interior; opposed a bill now before Congress to permit importation duty free of fats and oils if rendered inedible.

Directors elected Friday were Mr. and Mrs. J. R. Farley and Mr. and Mrs. Reid Rider of Almont, Mr. and Mrs. Arthur Martus of Burdette, Mr. and Mrs. Ralph Davenport of Oregon, Mr. and Mrs. Frank Brown of Elba. Directors who hold over are Mr. and Mrs. Frank Myus, Mr. and Mrs. Roy Mabery, Mr. and Mrs. Oliver Young, and Mr. and Mrs. Henry Witt. Retiring directors, Mr. and Mrs. Arthur Potter and Mr. and Mrs. Shepard were presented with gifts by their associate directors.

Mr. and Mrs. Myus resigned from the board and Mr. and Mrs. Bruce

Clothier of Burlington township were elected to fill the vacancy.

At a meeting of the directors Ralph Davenport was re-elected president; Roy Mabery vice president; Mrs. Frank Myus, secretary-treasurer.

Delegates to the state meeting next fall are as follows: Ralph Davenport, Arthur Martus, Oliver Youngs, Pearl Myus, Earl Ivory, J. R. Farley, Reid Rider, Roy Mabery, Frank Brown. Alternates: Edward Kohler, Kenyon Davis, Mrs. Mae Black.

### Farm Bureau Women Having Letter Contest

The Home and Community Department has planned a series of contests for Farm Bureau women during the coming year. Every Farm Bureau woman is eligible.

The first contest is to continue through the month of February and is to be in the form of a letter stating 6 reasons, "Why a Farmer Should Belong to the Farm Bureau."

The 1st prize will be \$2 in cash. The next three highest will receive \$1 each. Send at once your letter to your state chairman, Mrs. Edith M. Wagar, Carleton, Michigan. This contest closes March 1st.

### Discovered Winter Rhubarb

John Hafell, 77, of Rochester, credited with discovering winter rhubarb about 1909, died early in January. Mr. Hafell buried some roots in a shed and accidentally covered them with sacks. When he remembered them about Christmas time, he found that there was 1 1/2 feet of stem growth, and that the stems were a rich red. Thus began winter rhubarb industry.

## All Fertilizers Look Very Much Alike, But They Aren't

#### Farmers Should Make Sure As to Quality of the Materials.

By HARRY COOMBS

With the same analysis figures on the bag, all fertilizers look pretty much alike. That's the trouble. Only the shrewd buyer, who learns the facts and then uses his best judgment is sure to get full value.

When you select your fertilizer this spring, look further than the analysis figures printed on the bag. Go deeper than the guaranteed analysis. Investigate as to the sources of the different plant food elements in that fertilizer; their solubility in water and their rate of availability to plants.

All fertilizers, whatever brand they are, owe their value to the amount of available nitrogen, phosphoric acid and potash they contain, and that depends largely on the kind and quality of the nitrogen, phosphoric acid and potash carriers or sources used.

The most expensive element is nitrogen. Therefore its type of carrier is of great importance to the farmer. Nitrogen in water soluble carriers has proved to be the most efficient for fertilizers.

The Michigan State Farm Bureau some years ago took the lead in using water soluble nitrogen carrier. Today it is the only organization guaranteeing the farmer 95% or better

active water soluble nitrogen in fertilizers.

The foundation of profitable crop production rests on an ample supply of plant food in available form. We feed the crop rather than the soil. By far the safest plan is to use a high grade complete fertilizer of the proper analysis for the job at hand. Nitrogen, phosphorus or potash may be found wanting. An excess of one or two of these elements in a fertilizer will not make up for a deficiency of the other. The yield limit of any crop is dependent upon the plant food elements that is most lacking in that soil.

Plant food costs less per pound in high grade complete fertilizers than it does in low grade, cheap fertilizers. A good fertilizer—quality materials and high analysis—costs but little more per acre. The increase in yield can be depended upon to return that small difference and a good profit on the investment besides.

Michigan Farm Bureau members, co-operating with those in Indiana and Ohio, have worked out an outstanding method for assuring themselves of the best in fertilizers. The three State Farm Bureaus take the entire out-put of one of the world's largest fertilizer plants, at Lockland, Ohio. The fertilizer formulas and the high quality materials used are all to Farm Bureau specifications.

These Farm Bureaus reduce selling

## PRACTICAL POINTS ON FARM ROOFS

#### New Bulletin Discusses Many Roofing Problems and Materials

A farm building is no more durable than its roof. Up-to-date information that will help a farmer choose the right kinds of roofing materials for different buildings appears in Farmers' Bulletin 1751-F, prepared by the Bureau of Agricultural Engineering and just issued by the U. S. Department of Agriculture. The title is, "Roof Coverings for Farm Buildings and Their Repair." All different kinds of roofing are discussed.

The bulletin also discusses location of leaks, repair of roofs, reroofing over old roofing and such important details as flashings, gutters and downspouts, snow guards, and nails. It points out that the life of flashings should be at least equal to that of the roofing.

The slope of the roof and the strength of the framing are the determining factors in choosing a suitable covering, states the bulletin. On a slightly sloping roof, if the wrong

costs by inviting farmers to fertilizer meetings. The co-operative plan of buying—rather, selling through local co-operatives ass'ns is explained. Farmers may order fertilizer at the time or later through their local ass'n.

kind of covering is used, leaks will occur; if a covering of excessive weight is used, there may be an unsightly sagging which will add to the difficulty of keeping the roof in repair.

A table in the bulletin gives approximate weights and costs of various coverings for plain roofs, and the roof slopes to which they are adapted. In general, roofings with light-colored surfaces absorb less heat and consequently last longer than those with dark surfaces.

Farmers' Bulletin 1751-F may be purchased from Superintendent of Documents, Washington, D. C., at five cents a copy.

## Township Tax Drops \$37,000 in 15 Years

According to Arthur Gage, former supervisor for Bingham township, Clinton county, in 1921 there was spread on the tax rolls of his township \$52,000. For 1935 the total tax levied in the township was \$15,000. Mr. Gage, secretary of the Clinton County Farm Bureau, credits much of the reduction to the Farm Bureau supported highway program, by which trunk line, county and township roads are now financed from gas and weight tax revenues. Mr. Gage also credits the Farm Bureau supported Thatcher-Saur Act through which the State grants additional aid to local schools and pays all high school tuition.

Uncle Ab says that it is all right to be entertaining; but the best thing to entertain is an idea.

## Bill Would Continue 3 1/2% Interest 2 Years

Washington—Rep. Carl Mapes of Grand Rapids, Michigan, has introduced a bill into the House to continue the temporary rate of 3 1/2% interest on federal farm loan mortgages for two more years after July 1, 1936. The present rate of 3 1/2% on all federal farm loan mortgages was enacted by Congress in early 1935. It ends June 30, 1936. The Act also provided that until July 1, 1938, the rate of interest on federal farm loan mortgages should not exceed 4%. The difference between the 3 1/2% interest and the 4 to 5% interest which the mortgages call for, amounts to between 50 and 60 million dollars annually, which is paid out of the treasury.

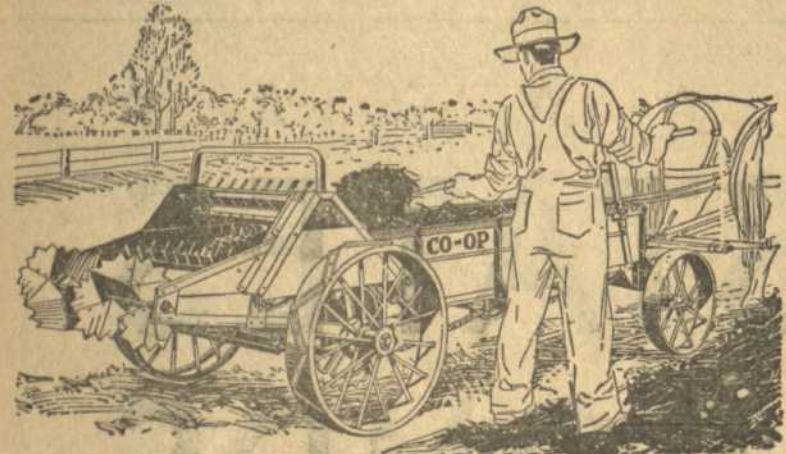
In line with cheaper rates for money everywhere, including government bonds, industrial refinancing, and the like, the Farm Bureau has urged that the 3 1/2% rate on federal farm loans be extended, or be made permanent by the proper refinancing operations.

**For The Idle Horse**  
A warm bran mash, consisting of equal parts of wheat bran and warm water, will have good effect on the idle horse if it is fed once or twice a week.

**How Hogs Will Go**  
A 225 pound moderately fat hog will yield hams and three-rib shoulders that weigh from thirteen pounds each and bacon strips and loins that weigh from ten to twelve pounds.

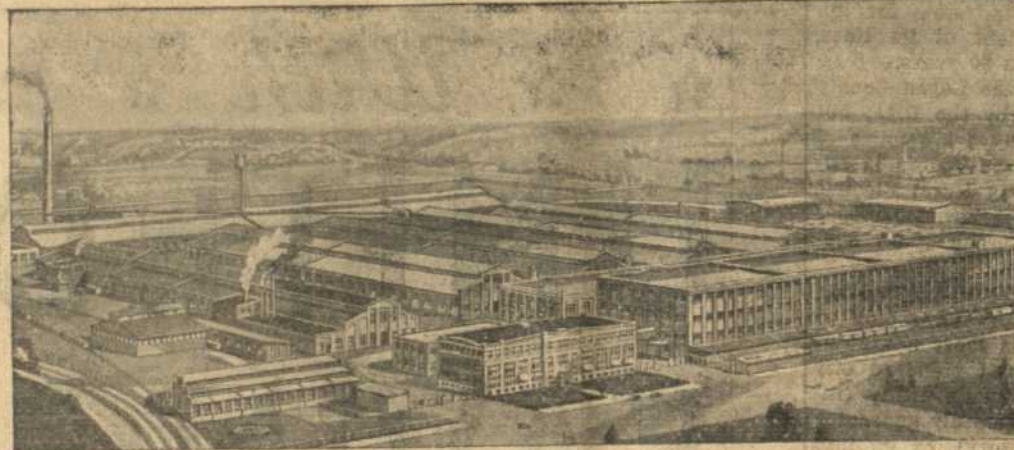
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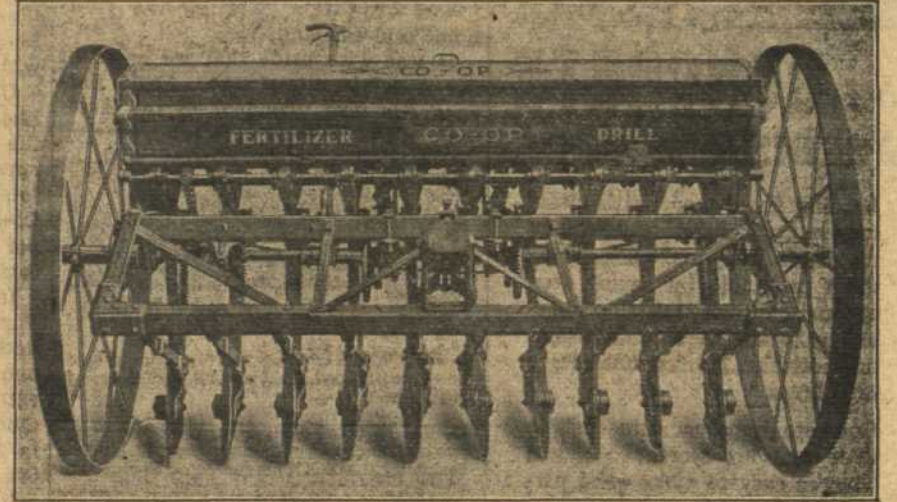
Co-op Manure Spreader

Three Feet High, Easy to Load, Easily Pulled



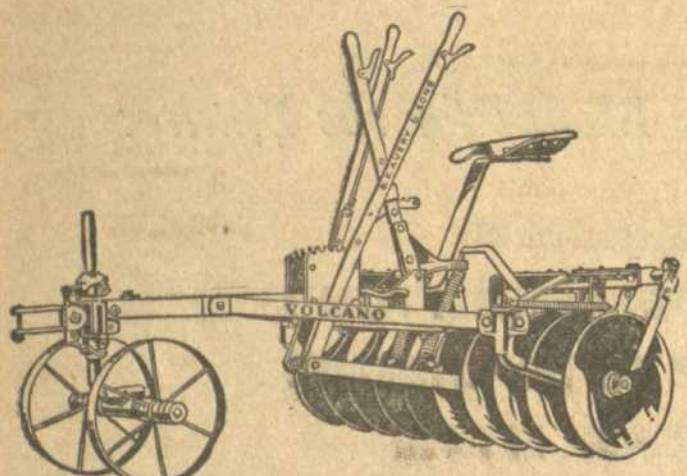
Where Farm Bureau Machinery is Made

New, Complete, Modern Equipped B. F. Avery Plant at Louisville, Kentucky



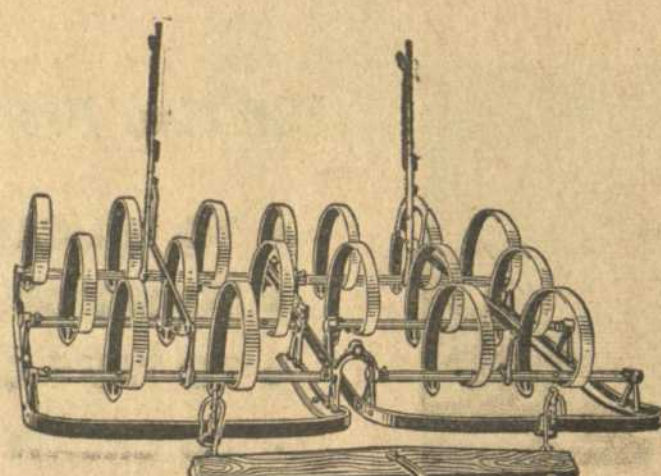
Co-op Combined Fertilizer & Grain Drill

Our Combination Disc & Hoe Shoe Avoids Clogging—Drills Perfectly Places the Seed Where You Want It



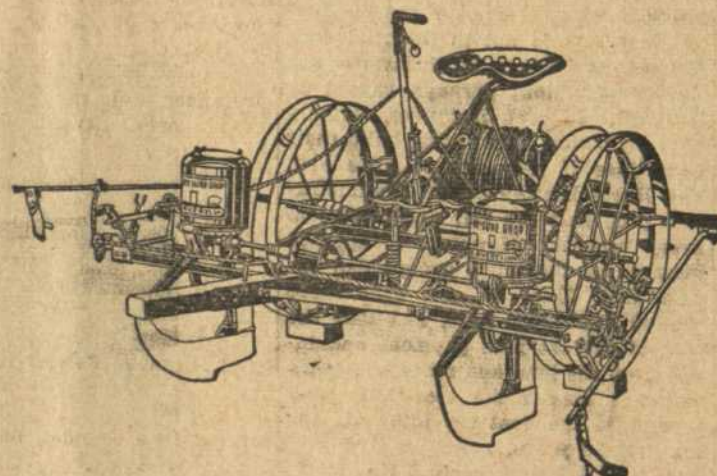
Volcano Disc Harrow

Perfect Disc Control, Lubrication, and Easy Draft



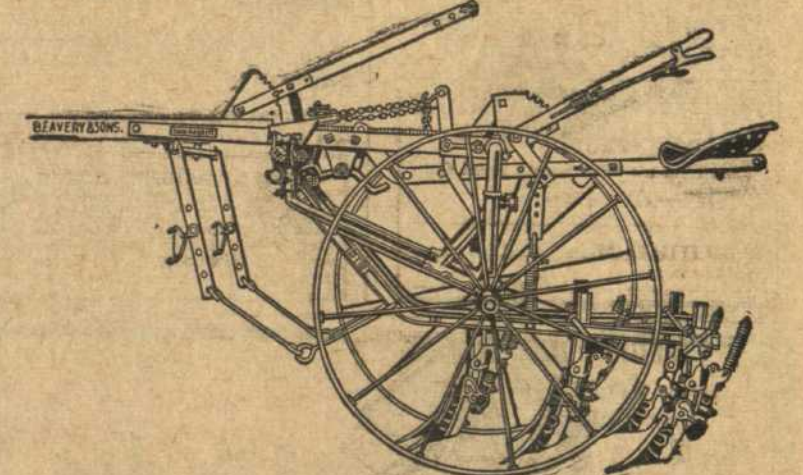
Spring Tooth Harrow

Built for Wear; Sets for Use With Tractor



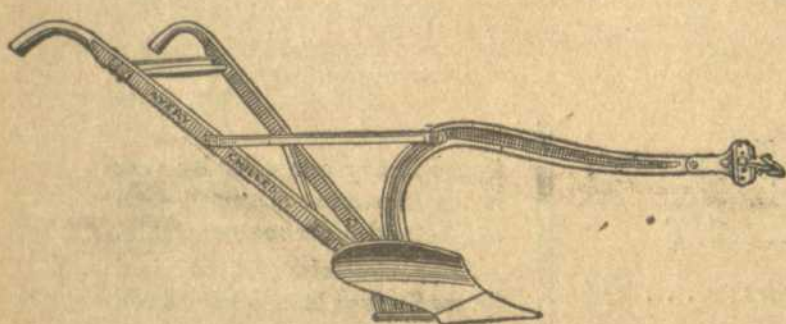
Sure Drop Planter

Light, Strong, Positive Hill and Drill Planter With or Without Fertilizer Attachment



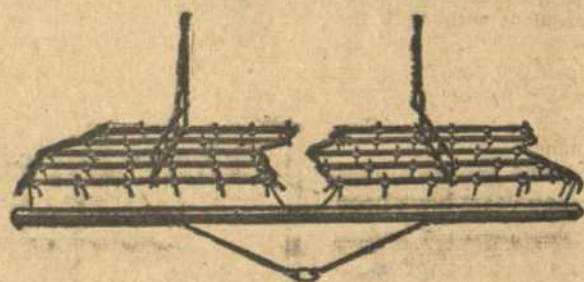
Jack Rabbit Cultivator

All Purpose, All Crop, Easy Handling Cultivator



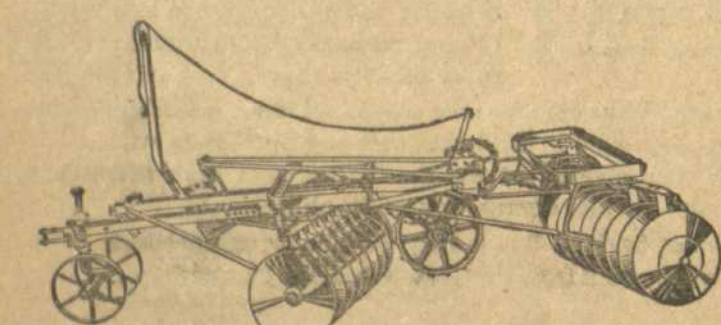
Walking Plow

Sturdily Made; Extra Shares Fit Exactly



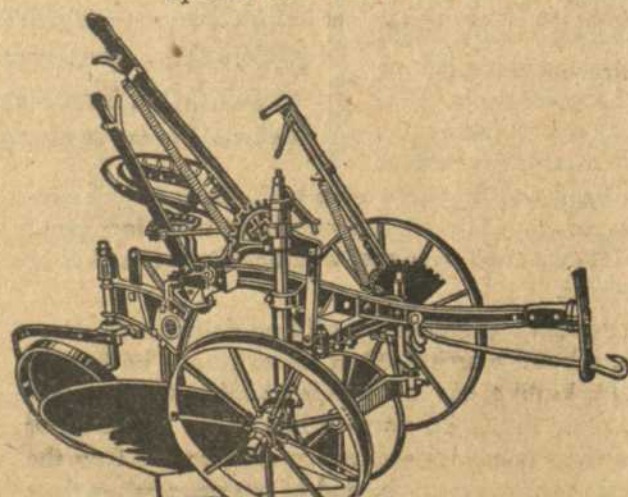
Guard Rail Harrow

Special Steel and Made to Last



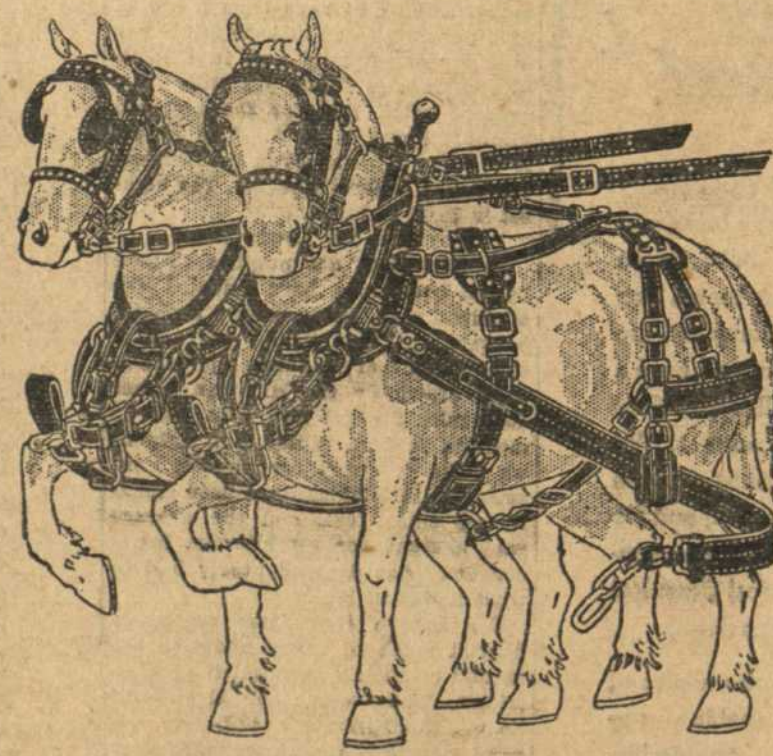
Automatic Tractor Disc

Gangs Can't Work Loose; Discs Won't Clog



New Torpedo Sulky Plow

Quick Detachable Share; Uses Any Style Bottom



Farm Bureau Harnesses

Made from No. 1 Selected Steer Hides; Best Workmanship Traces, Breechings, Strap Work Extra Strong for Long Wear

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Each booklet illustrates the machine or implement. It describes the features that makes it extra strong, long wearing, and convenient.

- Fertilizer & Grain Drill
- Volcano Disc Harrow
- Tractor Disc Harrow
- Tractor Plow
- Torpedo Sulky Plow
- Walking Plow
- Sure Drop Corn Planter
- Jack Rabbit Cultivator
- Co-op Manure Spreader
- Guard Rail Spike Tooth Harrow
- Spring Tooth Harrow
- Pull-Cut Mower (New!)
- Champion Grain Binder
- Champion Side Delivery Rake
- Champion Hay Loader
- Co-op Tractor
- Farm Bureau Harness

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MAIL TO Farm Bureau Services, Inc.,  
221 No. Cedar St., Lansing, Mich.

You must see these implements and others of our complete line to appreciate them—  
Displays at Hart, Lapeer, Imlay City, Hastings Farm Bureau Stores—  
At Buchanan, Holland, Hudsonville, White Cloud, and other Co-ops. Ask your Co-op.



## 17 YEAR LOCUST DUE THIS SPRING COLLEGE ADVISES

### Farmers Warned of Danger In Planting Young Fruit Trees

Southern Michigan farmers are warned by the entomology department of Michigan State College that they may experience losses if they make extensive planting of young trees next spring.

Ray Hutson, head of the department, predicted the month of May will bring out the 17-year locust throughout the State, with heaviest damage occurring as usual in the lower tier of counties. Entire young orchards have been destroyed by the pest in the past, he said.

He suggested postponement when possible of planting of any trees that shed their leaves in the winter months, and protection for such young trees already in the ground. He said young trees can be protected by wrapping them in cheese cloth that will prevent the locust from getting at the branches and killing them.

**Locusts Emerge in May**  
The danger period is of comparatively short duration, he explained. The locust—actually not a locust at all but popularly so-called in the United States—will emerge from the ground in May after its 17 year sleep, he said, and will have passed its peak in early June.

Only young trees a few feet tall need the cheese cloth wrapping, Hutson said. This is simply done. A few yards of the material is used as a tent that covers the tree from its crown to the point at which it enters the ground. The material may be pinned or sewed together.

There is not a poison or a repellent that will defy the "locust", Hutson asserted. In its long lifetime it spends 17 years in the ground, living by sucking the juices out of tree roots. It emerges as a nymph at the end of 17 years, a couple of hours later reaches its adult stage and in a few days starts egg laying.

**Female Real Threat**  
The female is the real threat, he said. The male makes noise with its drum-like organs, while the female cuts holes in the bark of trees and lays her eggs there. The eggs hatch, and the young drop to the ground, burrowing down to the roots of the tree and there they remain for the 17-year growth.

Young trees are the locust's pet place for egg-laying, and frequently entire orchards are damaged because the unprotected saplings are heavily pruned, Hutson warned.

In mature trees the loss is not great, and there is little that can be done about it because wrapping would entail too great an expense. The locust weakens branches, which will break under the weight of fruit and in high winds. It forms scars that are an invitation to tree diseases and insect pests.

**Pest Disappears Quickly**  
Hutson said the locust will come out of the ground this year in mid-May. A period of three or four weeks thereafter will constitute the danger period, in which the locust is active. The cheese cloth covering should be retained at least that long, he said. The pest will disappear as suddenly as it came—literally overnight.

The correct title for the pest is the 17-year Cicada. It is a large insect, an inch and a quarter long, with a wing spread of approximately two inches.

One vast brood this spring will cover an area from the Atlantic coast as far west as Michigan and as far south as Georgia. It will arrive simultaneously in all of the States, Mr. Hutson said.

### Honor Farm Bureau Man

Stanley Sherman, manager of the Farm Bureau supply store at Imlay City, has been elected president of the Chamber of Commerce.

### No Free Seeds

For 13 years the U. S. Department of Agriculture has been trying to convince 100,000,000 people that it has no free seeds or plants. Yet each year, as spring approaches, thousands of requests pour in from farms, suburbs and penthouses. And all the writers of these letters meet disappointment. Since 1923 the Department of Agriculture has no free seed. It has no seeds or plants for sale either.

### CREDITS ON PURCHASES Help Pay Farm Bureau Dues!

**NOTICE TO MEMBERS:** Purchases of Farm Bureau Brand dairy and poultry feeds, seeds, fertilizers and fence from your local dealer; also, purchases from our clothing and blankets dept. at Lansing, are eligible to membership credits when declared.

**MAIL YOUR DEALER SALES SLIPS** to the Michigan State Farm Bureau, Membership Dept., 221 North Cedar Street, Lansing, about every three months.

**BE SURE** Farm Bureau brand goods are entered on slip as "Farm Bureau Alfalfa," "Milkmaker," "Mermash," etc.

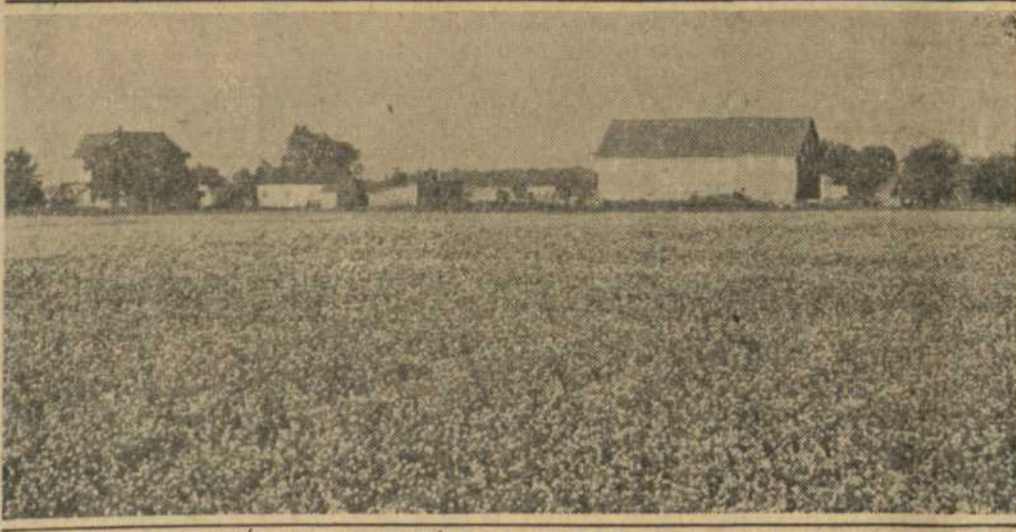
\$10 annual dues mature life membership; \$5 annual dues do not, but participate in Membership Credits, which reduce the amount of dues payable.

Life members receive their Membership Credits in cash once a year.

We furnish addressed, postage pre-paid envelopes for this purpose on your request.

MICHIGAN STATE FARM BUREAU  
Lansing, Michigan

# SEED PROSPECTS for EARLY 1936



FARM BUREAU'S MICHIGAN CLOVER FOR BEAUTIFUL STANDS

## CLOVER AND SNOW

☐ If we should have plenty of snow on the ground in March, that means perfect conditions for seeding clover on wheat. If we do not have the snow, the clover can be broadcast and dragged in with a spike tooth. Last year wonderful clover stands were had from seedings in wheat.

☐ Red Clover undoubtedly is cheaper now than it will be. We expect a strong demand for it. Don't be misled by Michigan's spotty production of clover seed in 1935. In large sections of the state there is none. Northern grown clover seed is not in plentiful supply throughout the country. We advise buying Michigan grown clover seed early. Alsike is scarce everywhere, and higher.

☐ Farm Bureau Sweet Clover at today's prices is a bargain for low cost pasture, roughage, hay crop, or green manure.

☐ Remember, Farm Bureau Brand Clover Seeds are selected, Michigan grown, high germinating stocks and are cleaned to A-1 purity and quality. They are the best to be had. You can save by sowing less of them per acre, and you can count on the high yield.

### FARM BUREAU SEED GUARANTEE

The Farm Bureau Services, Inc., of Lansing, guarantees to the farmer to the full purchase price of its seed the vitality, description, origin and purity to be as described on the analysis tag on sealed Farm Bureau bag.

**For Farm Bureau ALFALFA SEED**  
—see your local distributor  
of Farm Bureau Seeds

## ALFALFA PRICE LOOKS GOOD

☐ Don't fail to provide for a seeding of alfalfa while it is as low priced as it is now. We believe good alfalfa seed is the best buy in two years. How long that condition will prevail, we can't say.

☐ Certified Hardigan and Grimm blue tag alfalfa seed from the Farm Bureau has no superior for yield and quality of hay. They are eligible for the production of certified seed. We provide printed forms in the bag so that you can record with the Farm Bureau fields sown to Hardigan, Grimm or other varieties of Farm Bureau alfalfa (or clover) seeds. It's a valuable record if you decide to take a seed crop.

☐ Our Michigan Variegated alfalfa seed will be in demand. It comes from fields sown to genuine Hardigan, or Grimm, or other hardy, long lived, heavy yielding varieties in Michigan. These fields were not registered for certified seed production, but they have produced seed, which is called Michigan Variegated. An excellent hay yielder. Our Variegated is selected, high test, thoroughly cleaned, and does not contain any common alfalfa. The price is a money saver.



Hay Like This from Farm Bureau Alfalfa

### DELIVERED IN SEALED SACKS

Farm Bureau Brand Seeds are delivered to you by your distributor in sealed, trade-marked Farm Bureau Brand bushel sacks, direct from our warehouse. See our seed guarantee. Good seed is a good start.

## MERMASH FOR BABY CHICKS



### MERMASH RAISES BETTER CHICKS

YOU WILL RAISE BETTER CHICKS at lower cost with Mermash 16% protein ration. It is a lifetime ration,—fed to baby chicks, pullets and laying hens.

MERMASH CONTAINS THE BEST home grown feedstuffs, and also Manamar, a combination of Pacific Ocean kelp and blended fish meal as a source for mineral foods poultry need. Chicks raised on Mermash grow fast and feather soon. Pullets cost low and make good laying hens.

### AT THE CENTURY OF PROGRESS

The U. S. Bureau of Fisheries exhibit at the 1933 World's Fair at Chicago said: "The ocean serves as a mixing bowl for the mineral elements washed from the land. Marine plants and animals face no deficiencies and in time take these mineral elements and assimilate them into organic compounds which are needed by the inhabitants of the land to prevent or cure deficiency diseases."



### Mermash

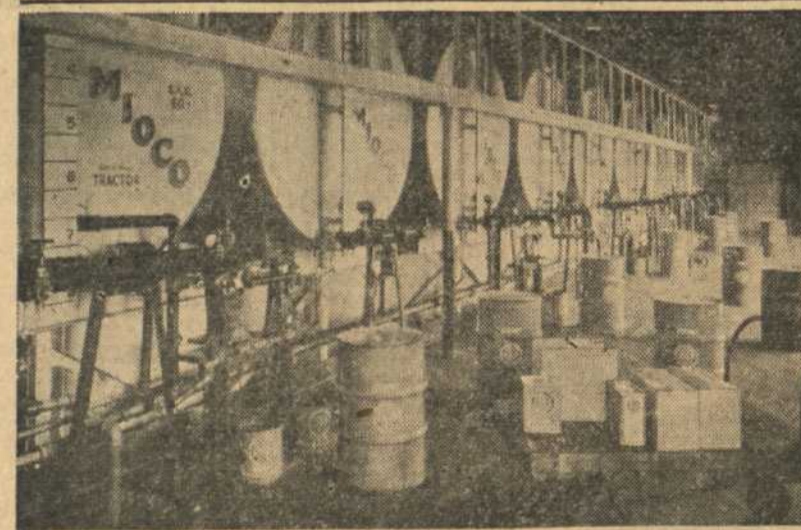
**GUARANTEED ANALYSIS**  
Protein ..... (min.) 16%  
Fat ..... (min.) 3½%  
Fiber ..... (max.) 5%

**OPEN FORMULA**  
1000 lbs. Ground Yellow Corn  
300 lbs. Pure Wheat Bran  
300 lbs. Flour Middlings  
100 lbs. Meat Scraps  
100 lbs. Alfalfa Leaf Meal  
200 lbs. Mermash (Manamar formula: Fish Meal, Kelp, Calcium Carbonate)

2000 lbs.

Mermash is made with or without cod liver oil. 5 lbs. of our Nopco XX oil has the Vitamin D value of 40 lbs. of ordinary cod liver oil. The gain is yours.

## NO MYSTERY ABOUT OUR FARM BUREAU OILS



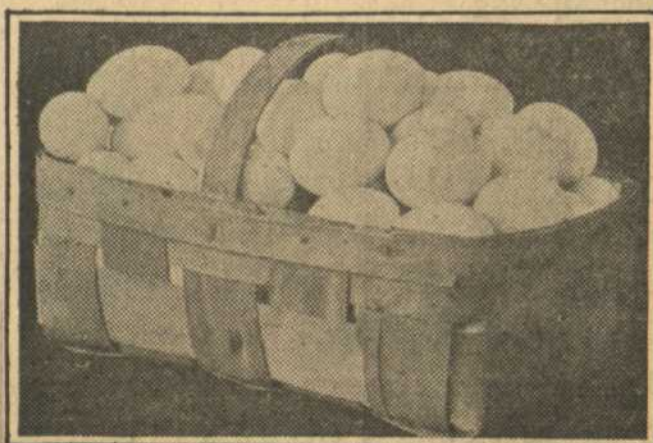
OIL SHIPPING DEPT. FARM BUREAU OIL CO. INDIANAPOLIS

FARM BUREAU OILS and their 25 to 35c per quart brothers owned by the great oil firms come from the same fields.

WE USE THE BEST of the three oil refining processes, and produce wax-free, zero oils that start easy and save motors.

FARM BUREAU OILS—Mioco and Bureau Penn—cost you less because Michigan, Ohio and Indiana Farm Bureaus own their own oil plant. Get a 5 gal. can from your Farm Bureau dealer.

## MERMASH FOR LAYING HENS



MERMASH PRODUCES HIGH QUALITY EGGS

70 OR MORE EGGS per day per 100 hens throughout the winter is not unusual for flocks on Mermash 16%. We have the records.

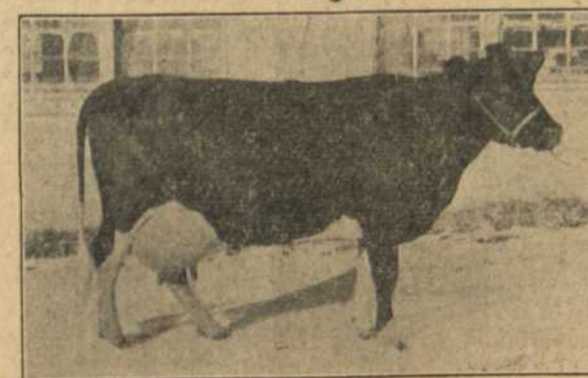
COLD WEATHER, lack of sunshine lowers vitality and egg production. Mermash has what it takes for peak production.

SEE THE FORMULA ABOVE for the superior ingredients that make Mermash the profit making ration that it is.

**MERMASH 16%**  
With Cod Liver Oil

## MAKES GOOD COWS BETTER

Milkmaker Dairy Feed with home grown grains and legume hay can't be improved upon for low cost of milk.



For years Milkmaker fed herds have taken 4 or more of the first 10 places for butterfat production in 1,200 herds of all breeds in Michigan cow testing associations.

**MILKMAKER**  
Means  
Money-maker

MILKMAKER FORMULAS  
16, 24 and 32% Protein

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## For Farm Bureau Supplies

SEE YOUR CO-OP OR FARM BUREAU DEALER

Write Us If You Have No Dealer

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