

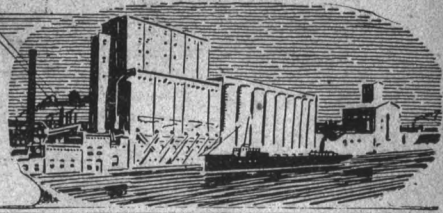
VOL. XIV, No. 13

FEBRUARY 26, 1927

# *The Michigan* BUSINESS FARMER



*An Independent  
Farm Magazine Owned and  
Edited in Michigan*



"HOW MUCH BOOT WILL YOU GIVE ME?"

*In this issue: "40,000 Sign Petitions In Behalf of L. J. Wilson"—"Monroe Farmer Chosen Corn King of Michigan"—"Over 350 Entries At Sixth Annual Grain and Potato Show At M. S. C."—Reports of Other Shows and Meetings During Farmers' Week—What the Legislature Is Doing*

**Are You Getting The Business Farmer Market Reports Being Broadcast Through WGHP?**



## Current Agricultural News

### FRUIT MEN PLAN SPECIAL MEET

IN addition to the regular annual meeting at South Haven on March 2 and 3, the Michigan State Horticultural Society has made plans to have a special meeting at Paw Paw on March 1st. This meeting will be held in the high school auditorium, beginning at 10 o'clock with a talk on growing asparagus by Prof. Geo. E. Starr of M. S. C. He will be followed at 11 o'clock by Wm. H. Esslinger who will take up the marketing of grapes. The afternoon session opens at 1:30 with "Dead Arm of Grape" by C. W. Bennet. At 2 o'clock Dr. N. L. Partridge, of the College, will discuss "Factors Influencing the Sugar Content of Grapes." Following his talk there will be a general discussion of grape dusting.

The regular spring meeting will be held in the South Haven high

school auditorium starting at 9:30 Wednesday morning and ending Thursday afternoon, March 3rd. Opening the session on the first day Mayor G. Carroll Ross, of South Haven, will welcome the visitors. Prof. Starr will follow him on the program with a talk on "Cauliflower and Asparagus." Then at 11 o'clock Don Hootman, secretary of the Society, will discuss "More Fruit with Bees," and Edwin Ewell will follow with "More Bees with Fruit." Directly after lunch the meeting will start off with a question box conducted by George Friday, president of the Society. At 2:00 Prof. V. R. Gardner is scheduled to take up "Some Lessons in Orchard Management Learned from a Survey of the Raspberry Industry." Next will come "Compulsory Eradication of Little Peach and Peach Yellows" by E. C. Mandenburg, followed by an illustrated talk

by C. L. Burkholder, of Indiana, on "Practical Peach Pruning."

A banquet is planned for that evening, with Stanley Johnson acting as toastmaster. The Great Lakes-St. Lawrence deep waterway will be discussed by A. C. Carton of the State Department of Agriculture, and the committee in charge expects to have several other speakers making it a very interesting evening.

The Thursday meeting will open at 9:30 with a talk on "Thinning Apples" by Minard Farley, a practical fruit grower. Raymond C. Hitchings, of Rochester, N. Y., will discuss "Apple Production and Marketing Problems," following which Prof. W. C. Dutton will take up "Spray Calendar for 1927."

Another question box will be the opening feature of the afternoon program Thursday, followed by Prof. O. I. Gregg who will take as his subject "Landscaping the Home Grounds." The meeting will close with a discussion on "The National and International Problems of the Apple Industry" by Pres. F. H. Simpson of the International Apple Shippers Ass'n.

### POTATO SHOW AT M. S. C.

THE outstanding potato show of the season was held during Farmers' Week at Michigan State College. Gaylord and surrounding territory again took the lion's share of the prizes. This year, however, the winnings were more evenly distributed between Mayville, Greenville, and Gaylord, than in other years at the state show. Alpena county also won the county exhibit class, for the first time.

The winners of first, second and third awards were:

Section A, class 1, 32 tubers, Russet Rural: 1st, F. F. Rotter, Alanson; 2nd, John Allis, Gaylord; 3rd, Ed Sutton, Central Lake. Sweepstakes, best peck of Russet Rurals, F. F. Rotter.

Section A, class 2, White Rurals, 32 potatoes: 1st, Ed McVannel, Gaylord; 2nd, Mike Smilowski, Gaylord; 3rd, A. Smilowski, Gaylord.

Section A, class 3, 32 potatoes, Green Mountains: 1st, R. J. Gehrke, Ossineke; 2nd, E. W. Lincoln and Son, Greenville; 3rd, Stanley Stokes, Kingston.

Section A, class 4, 32 potatoes, Irish Cobbler: 1st, Ray Warner, Gaylord; 2nd, E. W. Lincoln and Son; 3rd, Charles Herron, Alpena.

Section A, class 5, any other variety of merit: 1st, R. J. Gehrke; 2nd, Jess Todd, Mayville; 3rd, W. O. Lyst, Greenville.

Section B, class 6, county exhibits, 12 samples, 32 potatoes each, which may be selected from individual exhibits: 1st, Alpena county; 2nd, Cheboygan; 3rd, Otsego.

Section C, best 60 pounds of selected certified seed, class 7, Russet Rurals: 1st, F. E. Wyrick, Alanson; 2nd, Ed Sutton, Central Lake; 3rd, Floyd Warner.

Section C, class 8, all other varieties: 1st, E. W. Lincoln and Son; 2nd, Peter McVannel, Gaylord; 3rd, Glen Fingleton, Hastings.

Section D, Boys' and Girls' Potato Clubs, Best exhibit by one club, exhibits to consist of 5 samples, 32 tubers each, shown by five club members; class 9, best exhibit by one club: 1st, Hayes Potato Club; 2nd, Alpena Potato Club; 3rd, Alba Potato Club.

Section D, class 10, Russett Rurals: 1st, Sumner Allis, Gaylord; 2nd, Carl Bredow, Bad Axe; 3rd, Clare Warner, Gaylord.

Section D, class 11, any other variety: 1st, Ray Warner; 2nd, Ed McVannel, Gaylord; 3rd, Winfred Stephan, Oxford.

Section E, standard grading, Michigan State Department of Agriculture Special: 1st, Martin Lynch, Greenville; 2nd, Robert White, DeWitt; 3rd, George Nelson, Greenville.—Kline.

### COMMITTEE TO STUDY STATE TAX PROBLEMS

LOCAL taxation within the state and ways and means of insuring more efficient use of such taxes will be the subject of special inquiry by a "citizens" committee appointed here last week as the result of a tax conference held at Michigan State College.

Many of the tax paying interests of Michigan had representatives at the Feb. 9 meeting, which was addressed by authorities from Indiana. Methods by which the Hoosier state has been able to reduce local tax levies were discussed by Philip Zoercher and Harry Meisse, members of the Indiana Tax Commission.

The representative committee of Michigan taxpayers, appointed to study local tax questions, includes the following: chairman, Melvin B. McPherson, Lowell (Farm Bureau); Frank Peterson, Rockford (State Supervisors Assoc.); N. P. Hull, Lansing, (Grange); John Doelle, Lansing (Michigan Real Estate Assoc.); W. H. Burnham, Adrian, (Manufacturers Assoc.); C. E. Bement, Lansing (League of Municipalities); C. L. Glasgow, Nashville (Retail Merchants Assoc.); Lent D. Upson, Detroit (Bureau of Governmental Research); Carlos J. Jolly, Detroit (General Motors).

Dr. Whitney Coombs, who is doing research work in taxation for the U. S. Department of Agriculture, is cooperating with R. Wayne Newton, of the M. S. C. staff, in the preparation of reports based on recent tax studies made by the college.

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<ul style="list-style-type: none"> <li>—Grain Drills</li> <li>—Seed &amp; Bean Drills</li> <li>—Alfalfa Drills</li> <li>—Corn &amp; Cotton Drills</li> <li>—Corn Planters</li> <li>—Lime Spreaders</li> <li>—Backhoe Cultivators</li> <li>—Black Hawk Manure Spreaders</li> </ul>	<p>The American Seeding Machine Co., Inc. 422 Monroe St., Springfield, Ohio.</p> <p>Please send full information covering machines checked.</p> <p>Name _____</p> <p>Address _____</p>
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WEEK—February  
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"How to the line, let the chips fall where they may!"

# The Michigan BUSINESS FARMER

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Published Bi-Weekly at  
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## 40,000 Sign Petitions In Behalf of L. J. Wilson

Manslaughter Charges Against Montcalm County Farmer Arouses Interest of All

By MILON GRINNELL

IS Mr. L. J. Wilson of Greenville guilty of manslaughter? We asked that question in our January 29th issue and over 40,000 people have replied in the negative, by letter, by petition and by voice. In their estimation, he is not guilty of the charge that has been brought against him because he accidentally fatally wounded one of two thieves he caught robbing his chicken coop Thanksgiving night.

When Mr. Wilson, who lives on a farm near Greenville, discovered these men taking his poultry that night he demanded that they halt. One of them did while the other ran towards the road. Again he demanded a halt but the runner failed to heed so he fired low intending to shoot him in the legs and frighten him into surrendering. The thief continued to run but Mr. Wilson pursued and finally caught him. When captured he denied that he was injured but Mr. Wilson requested the deputy sheriff, who had been called, to take the thief to a hospital for examination. There it was discovered that shot had entered his abdomen, and he died early the next morning.

### Murder Not Intended

Murder was not in the heart of Mr. Wilson when he discovered these thieves taking his property while he was supposed to be sleeping, but he did feel that he had the right to protect his property. That is the reason he took his shotgun along when he ran out to interrupt them. If both had given up peacefully there would have been no shooting.

When a man is caught robbing a bank or store every effort is made to capture him, even to the extent of shooting to prevent his escape. Why? Because he is an enemy to society and should be turned over to the law so that he will be punished for the crime committed.

Is this case any different? The thieves were robbing Mr. Wilson's so-called bank or store, and it was his intent to turn these men over to the officials so that they might be justly punished and perhaps save other farmers from having their property stolen. One man refused to surrender so it was necessary to use other means of capturing him, and Mr. Wilson did just that. We can

not see how his case differs from bank robbing or store robbing.

### Almost Swamp Us

Directly after our January 29th issue containing the facts about this case reached our subscribers we began to receive letters and petitions in his behalf. Petitions were circulated at auction sales, at farm bureau meetings, grange meetings, along rural routes, at meetings of farmers' clubs and unions, and we even received one with over 200 names signed to it which had been circulated on the Farmers' Market at Flint. Justices of the peace, sheriffs and deputy sheriffs, township clerks, township treasurers, merchants, bankers, college professors, and legislators signed as willingly as did farmers, because they felt Mr. Wilson's act was justified.

Every day up to the middle of this month the number of letters and petitions in each mail increased until at the present time we have received over 38,000 names. Then there were some letters from farmers' organizations, like granges and farmers' clubs which contained resolutions passed at meetings and these letters were signed only by the secretary and officially stamped. These represent the feeling of the membership which adds many more to the 38,000. Also, some folks have advised us that they sent petitions direct to the judge who is to hear the case, so there is every reason to believe that the total number of people who have registered their sentiments in this case will total over 40,000.

Interest among the people of the city has been aroused also through articles appearing in the daily press until we are of the opinion that the number of folks, farm and city, interested will equal or exceed those interested in any other important case tried in Michigan for many years. Truly, Mr. Wilson fired a shot that was heard around the State.

### Financial Aid

One Calhoun county farmer circulated a petition, got 121 signers and took up a collection of \$51.00 which he sent to us. We stated in our January 29th issue that Mr. Wilson was not a subscriber, but his

father was and had secured free legal advice on the case from our attorney. This Calhoun county reader said \$1 was to pay Mr. Wilson's subscription to THE BUSINESS FARMER, "as we want him in our family," and the fifty dollars was to be given to Mr. Wilson as a reward.

Our representative personally took the fifty dollar check to Mr. Wilson who was extremely grateful for it and he wanted us to thank the folks who were taking such a great interest in him and his troubles.

Many folks have advised their willingness to contribute to a fund to help him bear the expenses of going to court.

Mr. Wilson will have to go through two trials, one trial for manslaughter and the second is being brought on by the widow of the thief. She is suing Mr. Wilson for \$22,000. Of course it requires money to hire attorneys and to cover other expenses that come up, but at this time there is no way of telling how much it is going to cost him. After this is learned we intend to give our friends an opportunity to contribute their bit, if they so desire, to help Mr. Wilson. Possibly we will be able to soon raise enough to take care of all the expenses.

Should any of you care to send in money for him at this time we will gladly receive it and put it in his hands. It would be advisable for you to make your remittances payable to him, L. J. Wilson, and we will acknowledge them through our columns if you do not object and then forward them to Mr. Wilson.

### Beware of Solicitors

If anyone comes to your house asking you to contribute towards a fund for Mr. Wilson be sure that you know where your money is going to. No doubt there are or will be crooks at work in different sections of the State collecting funds which they intend to put right in their own pocket. They follow the papers and know that this case has worked up the sympathies of the people so that many of them are ready to give money to help Mr. Wilson, and perhaps some of them will try to take up a collection, supposedly for Mr. Wilson but really for themselves.

Beware of these solicitors, pay money to only those you know to be honest and who will use it for the purpose for which you gave it to them. If a stranger comes into your locality taking up a collection you better get the sheriff on his trail unless he can prove to you that he is on the square.

We want every hard earned dollar or cent contributed by the farmers of Michigan to go to Mr. Wilson, and we think it would be best to make your remittances by personal check or money order, payable only to him, and send them to the Editor of THE BUSINESS FARMER.

### For Liberty

One of our subscribers writes, "I sent a boy to France to protect the U. S. A. Why should I not try to protect my own property in the United States?" Many others are of the same mind, and hundreds of letters we have received indicate that it is a very foolish thing for a man to do to try to protect that property without firearms. Cases of threats and actual shooting on the part of the thieves have been brought to our attention by some of the victims. Even within the limits of the city of Greenville two chicken thieves were discovered last summer and when the officers attempted to capture them one escaped by shooting one officer who died within a few moments and wounding another who was laid up in the hospital for several days.

Thieves have found chicken stealing about the easiest way to make a living, and evidence indicates that they are going into the business on a real wholesale scale. Farmers' houses are usually a considerable distance from the chicken coops, neighbors often far apart, and police protection miles away, so it makes rather "easy picking" for the thieves.

But, if the farmer can unlimber the old shotgun and fill the "back of their lap" with bird shot or rock salt a few times so they will take their meals standing for several weeks they are quite apt to lose their appetite for chicken.

Let us hope and pray the jury and judge rule that Mr. Wilson did a worthwhile thing in showing the world that the farmer's property is not everybody's property.

## Michigan Solons War On Lobbyists and Chicken Thieves

By STANLEY M. POWELL

Lansing Correspondent of THE BUSINESS FARMER

THINGS are happening fast under the capitol dome at Lansing these days. Governor Green's office swarms with people who are there on all sorts of errands. Michigan's new chief executive has unbuttoned his vest and is tackling his difficult task earnestly but with his proverbial smile. The door to his office is still open.

The members of the House of Representatives have been displaying their oratorical ability, debating such issues as capital punishment, regulation of lobbyists, a ninety-day session and other issues of more than usual importance. The lawmakers demonstrated that they were a self-sacrificing bunch of conscientious public servants when they defeated a proposed constitutional amendment sponsored by Rep. Ate Dykstra of Detroit which, if ratified by the people, would have limited future legislative sessions to ninety days.

Probably as Rep. Chas. H. Reed of Clio observed, "All needful legislation could and would be considered in sixty or ninety days," but the members listened to the arguments

of such able leaders as Rep. John M. Harris of Boyne City, Rep. John P. Espie of Eagle and Rep. Fred R. Ming of Cheboygan who warned against the danger of rushing through legislation and urged that legislative work should be done with the utmost care and deliberation.

Rep. Dykstra's resolution finally mustered 55 yeas votes as against 37 nay votes, but as it involved a constitutional amendment it would have required 67 votes for passage.

Rep. Joseph C. Armstrong's capital punishment bill providing that the penalty for first degree murder would be either life imprisonment or electrocution was considerably amended by the House Committee of the whole and made a special order of business for debate and final vote Thursday afternoon, February 24 at 2:30. An amendment to make the death chair compulsory without the alternative of life imprisonment was defeated 29 to 47. Another amendment to provide that the death penalty would not be inflicted in case of

conviction wholly on circumstantial evidence was carried without a record vote.

### Adopt Anti-Lobbyist Rule

The House of Representatives has followed the lead of the Senate in amending its floor rules to provide that no lobbyist could be admitted to the floor during the formal daily sessions. If such a rule would really discourage some of the pernicious practices of vicious lobbyists, it would be a splendid thing, but as Rep. John P. Espie of Eagle pointed out in the debate on the rule, the worst lobbyists are those who are probably never seen around the State capitol, but who ply their trade from down-town offices or hotels and usually do their most effective work in the wee small hours of the night. It is hard to see just how lobbyists sitting on the side lines when the Senate or House is actually in session could do much to contaminate the members.

The agitation of Michigan farmers for legislation to give them protec-

tion against chicken thieves has resulted in two bills, one of which has already passed the House. This is the measure introduced by Rep. Luther E. Hall of Ionia which provides that all poultry buyers would have to take down on blanks, supplied by the Secretary of State, certain detailed information regarding the poultry and the person who delivered it. Some of the members seemed to think that the bill was unworkable, or would cause a lot of unnecessary work on the part of the poultry buyers, for on final passage through the House, Rep. Hall's bill had but one vote to spare. It now remains to see what the Senate is going to do about it.

Rep. Otis Hoff of Marcellus proposes to make chicken stealing a serious crime in Michigan. A bill which he has introduced provides that larceny of poultry up to \$25.00 in value would be punishable by a jail sentence of from ninety days to one year, while if the poultry had a value of more than \$25.00, the sentence would be from two years to five years in state's prison.

(Continued on Page 19)



# Monroe Farmer Chosen Corn King of Michigan

Five-Acre Contest Winner Produces 90 Bushels of Shelled Corn to Acre in 1926

By R. H. MORRISH

Extension Specialist in Farm Crops, Michigan State College

PAUL C. CLEMENT of Britton was announced as Michigan's champion corn grower for 1926 at the annual meeting of the Michigan Crop Improvement Association, held during Farmers' Week at the Michigan State College. The announcement is the result of Mr. Clements winning the Five Acre Corn Contest for 1926, a contest sponsored by the Michigan State College and the Michigan Crop Improvement Association. Mr. Clement is one of the outstanding corn growers of the State and is one of the three men who have grown more than one hundred bushels per acre in this contest.

The winning yield obtained by Mr. Clement in the 1926 contest was ninety bushels per acre. This yield represents the number of bushels of shelled corn on a basis of 14 per cent moisture, and should not be confused with the measurement in baskets of ears from which many farmers figure their yields of corn.

The price of corn used in figuring the results for 1926 was 73 cents per bushel. At this rate, Mr. Clements crop was worth \$65.70 per acre. From this figure was subtracted \$9.77, which was the actual cultural costs of producing the crop, with the exception of taxes, harvesting, overhead and marketing. These costs are not made a part of the contest in this State, although they do represent a part of the actual cost of producing the crop.

The placing of the awards is made on the basis of the greatest income per acre above the cultural costs. Thus, the two important factors are yield and the cultural costs which influence yield. The growers in the contest kept accurate records of the material, labor, seed, fertilizer, labor and time used in the growing of the crop.

Mr. Clement with the market value of his crop the greatest above the cultural costs, was awarded the first prize of two tons of 20 per cent acid phosphate, by the Michigan State Farm Bureau Supply Service.

He has entered in the contest for the past four years and each season has been very near the top.

## Other Awards

The second prize of 80 Red Top Steel Posts, was awarded to George Bruce of Britton, who obtained a yield of 81 bushels per acre with a cultural cost of \$8.15 per acre. The third premium was given to Ernest Gilbert of Waldron, who obtained a yield of 89 bushels per acre, at a cultural cost of \$15.02. Mr. Gilbert was first in the 1925 contest, with a yield of 112 bushels per acre, the record for the contest. Otto Wegner of Riga was fourth this year, with a yield of 84 bushels per acre. Each of the winners of third and fourth place received one-half bushel of Grimm Alfalfa seed given by the Michigan State Farm Bureau Service.

The Michigan Crop Improvement Association awarded each grower having yields of over 85 bushels with silver medals, these going to

Paul Clement and Ernest Gilbert. Mr. Bruce, Mr. Wegner and Mr. Fritz Mantey of Fairgrove received bronze medals for yields above 75 bushels per acre.

This year, with only slight variations, the growers finished in the same order on the basis of profit per acre as they did on the basis of yield per acre. It will be noted that the cultural methods which insure high yields are profitable.

## Legumes and Alfalfa

Legumes and alfalfa in the rotation were important to the winners of the contest this year. Three of the high men, Clement, Bruce and Gilbert grew their corn on land that had been in alfalfa sod the year before. Mr. Mantey and Mr. Wegner plowed down seedings of sweet clover for their corn ground.

Clement used 200 pounds of fertilizer per acre, 100 pounds each of 20 per cent acid phosphate and 0-20-20. Gilbert, who was second in yield, used 270 pounds of 20 per cent

acid phosphate per acre. Mr. Wegner, the winner of the contest in 1924, applied 105 pounds of 44 per cent anaconda per acre. With the exception of five growers, commercial fertilizer, manure or both were used by the contestants.

Several varieties and strains of corn showed up well this year. Mr. Clement, Mr. Wegner and Ford Lownsbury of Britton planted Clements White Cap Dent, a strain developed by Mr. Clement. Mr. Gilbert's corn was also a strain of his own development, known as Gilbert's Yellow Dent.

## Duncan Corn High Yields

On the farm of Fred Shilling at Coldwater, a comparison of varieties was made in two five-acre plots in the same field. Each of the two receiving exactly the same treatment as to fertilizer and cultural operations, Duncan corn, one of the varieties used, yielded 65 bushels, and Pickett, the other yielded 57 bushels.

Duncan corn proved well adapted to the southern counties of the State yielding 70 bushels per acre for A. J. Lutz of Saline, and 64 bushels on the farm of Harry Kelley of Prattville.

In the north, the Pickett corn did well and its earliness proved advantageous.

Fritz Mantey of Fairgrove grew this variety and obtained a 75 bushel yield, the best in that section.

Farley Bros. of Albion grew the new Polar Dent corn which was bred at the Michigan State College, in the hope of securing frost resistance. Their yield was 73 bushels per acre.

In the four years during which this contest has been conducted first honors have never gone to the same grower or even to the same county. However, to stimulate greater interest in the north, plans are being made to award district as well as State prizes and the 1927 contest is being looked forward to as the biggest ever conducted in Michigan.



View of the Michigan Five-Acre Corn Growing Contest exhibit at 1927 Farmers' Week.

## Over 350 Entries At Sixth Annual Grain and Potato Show At M. S. C.

By P. R. MILLER

Extension Specialist in Farm Crops, Michigan State College

THE Sixteenth Annual Grain and Potato Show was replete with interest for the thousands of farmers who visited the Armory during Farmers' Week at Michigan State College.

Some 350 grain and potato entries of outstanding quality occupied tables running the entire length of the hall, while the wall space was chiefly devoted to twelve educational exhibits of varied nature and interest. In the center of the Armory had been erected a pyramid upon which were displayed the twenty-five silver trophies awarded to the winners in the grain and potato classes by various organizations and commercial interests. This brave display of silver gleaming brightly against folds of purple satin gave eloquent suggestion of the pride in products of premier excellence which inspires the contestants for such honors.

The welcome warmth and alluring odors of a "hot dog" stand greeted

the farmer upon his entrance to the Armory.

Adjacent to this, first among those on the left wall, was the extensive exhibit of the State Department of Agriculture, showing the progress made in the eradication of bovine tuberculosis, control of the corn borer, inspection of food and of public places wherein food is prepared or served, and inspection of orchards and nurseries, all of which continue to arouse a great deal of interest among both city and rural visitors.

Next to this large and varied display were three educational exhibits dealing with the production of high quality potatoes.

A complete exhibit of pedigreed seed, featuring their superior worth and productiveness stressed the keynote of the entire show, which was quality.

An exhibit portraying economical production of flax fibre by the aid of adapted varieties and effective cultural practices proved of real educational value to the visitors interested in that crop.

Adjoining this was an exhibit of vital concern to wheat growers, inasmuch as it portrayed methods of controlling black stem rust through the eradication of the European Barberry.

Occupying the entire central position on the right wall was a novel corn exhibit consisting of a revolving eight foot wheel bearing on its rim ten miniature buckets of corn which, each in turn, contributed its burden to an improvised corn crib, this being supposedly filled to overflowing as a result of the grower's having followed faithfully the ten printed maxims affixed to the wheel. "The Ten Gold Diggers," so called,

forcibly suggested the worth of improved corn practices.

## Corn Borer Exhibit

A thirty-foot display of that most pernicious menace to the corn crop—the European Corn Borer, showed its life history, the extent of its depredations in Michigan and its spread into the great corn belt. Pictures of the pest at work and preserved specimens told the story graphically.

Another display dealing with Michigan's corn crop showed the result of the 1926 Five Acre Corn Growing Contest. Mr. Paul C. Clement of Britton won high honors among eighteen contestants, with approximately ninety bushels of shelled corn per acre.

An improved method of curing beans in the field was portrayed, step by step, in miniature, making an exhibit of unusual interest.

The most lively exhibit in the Armory consisted of a large number of (Continued on Page 26)



COW TESTING ASSOCIATION CONFERENCE AT MICHIGAN STATE COLLEGE, EAST LANSING, MICHIGAN, JANUARY 31-FEBRUARY 1, 1927.

Cow testers attending are from left to right, front row sitting: J. G. Wells, Jr., Dairy Extension Specialist; George Gierbach, Dairy Extension Specialist; W. Lutz, G. Hoke, W. Syers, C. Wagner, B. Taylor, C. Barney, D. Lyons, I. Iversen, C. Metz, J. Hansen, C. Fisher, L. Hill, L. Dexter, C. Rossman, S. Dishrow, L. Dinsen, O. Reeder, E. Hafer, L. Hood, M. Ashley, G. Riggs, G. Rogers, J. Goodall, J. Scott, L. Ashley, W. Burlew, F. Overly, A. C. Baltzer, Dairy Extension Specialist, In Charge Cow Testing Associations. Back row standing: W. Kirkpatrick, A. Layton, C. Blumer, D. Root, J. McClave, A. Harrison, L. Anderson, S. Parker, C. Finch, C. Emens, L. Rhodes, J. Manning, H. Paine, H. Hoiler, L. Wilcox, H. Elmer, E. Witkowski, F. Leonard, O. Kimmel, E. Partridge, W. Bendel, F. Bender, E. Oxender, E. Grout, T. Larsen, G. Bedell, H. Prentice, N. Kendall, Geo. Bedell, M. Keith, L. Kent, A. Barsen, H. Oxender, E. Raab, L. Andersen, J. Barnes and A. Heald.



# THRU OUR HOME FOLKS' KODAKS



**DAD'S ASSISTANTS.**—Lyle and Bert Denny, sons of Mr. and Mrs. Archie Denny, of Ionia county, like to be around the horses, and some day they are going to be regular business farmers. The horse's name is Jim.



**RUTH INGALLS.**—Small daughter of Mr. and Mrs. R. Ingalls, of Hillsdale county.



**"GIDDAP, THERE! LET'S GO SOME PLACE!"**—Albert Getter says that he is already but has no place to go, according to his mamma. His parents are Mr. and Mrs. Bert Getter, of Eaton county. Albert is three years old.



**"ME AND OUR BLIND DOG."**—Writes Mrs. John Clock, of Monroe county.



**SHARING WITH KITTY.**—Alice Anna Berlin, Midland county, likes her kitty, Bobby, very much and is willing to share up with it. Mrs. Fred Berlin is her mother.



**READY FOR SOME FUN.**—Beulah Hoy lives in the northern part of Ogemaw county.



**A BUSHEL OF APPLES.**—Would you think there was a bushel of apples on this branch held by J. Ansecomb and Mrs. E. Taylor, Presque Isle county? Well, there is, according to L. Taylor, of Presque Isle county, who sent in this picture.



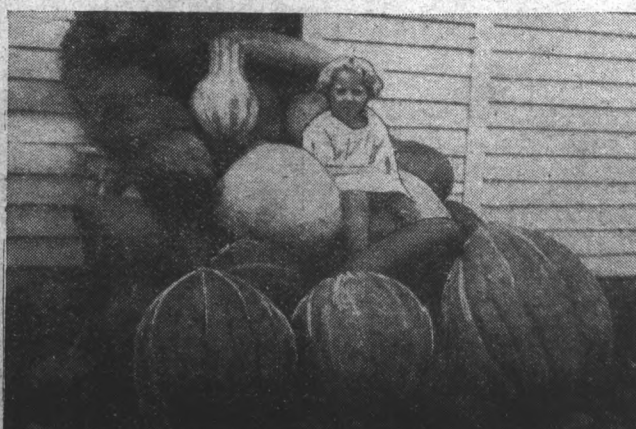
**PLAYING WITH THE PUPPIES.**—“A picture of my granddaughter, just one year old, playing with seven puppies,” writes Mrs. Ed Ralph, of Alcona county.



**"COME AND BE MY HORSE."**—Lawrence Edward, seven months old son of Mr. and Mrs. Arthur Clarke, of Midland county, seems to be comfortably seated and ready to take a ride, but he needs a horse. He will get one because no one could resist that smile.



**GREAT PALS.**—“My son and his dog,” writes Harry M. Brennan, of Gratiot county. “Like me, like my dog,” seems to be the motto of this young man.

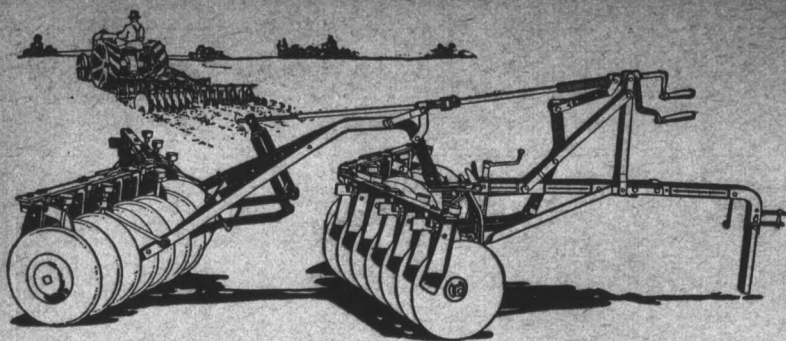


**"GROWN IN THE GARDEN SPOT OF MICHIGAN."**—This title was suggested by Mrs. A. W. Yantz, of Shiawassee county, and the little girl in the picture is Marjorie Dorrance. Mrs. Yantz grew the pumpkins shown here.



**TIME TO FEED THE CHICKENS.**—Maxine, little daughter of Mr. and Mrs. Francis Helfer, of Gratiot county, likes to help her daddy feed the chickens.





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### John Deere

#### Model L Tractor Disk Harrow

The Automatic Yielding Lock Coupling which connects the front and rear sections compels the rear disks to cut out the ridges left by the front disks. The rear section is locked when the harrow is traveling straight ahead. On the turns, a coil spring yields and unlocks the coupling, preventing dragging of the harrow.

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Your copy of "How to Have Running Water" is waiting for you! May we send it? There is no charge or obligation, and it contains many useful water supply suggestions.

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Foremost in banishing housework drudgery, running water under pressure becomes indispensable once the family knows its convenience. There is a Hoosier Water Service for every farm and home need, offering city water convenience and protection against fire, at less than city water cost. The Hoosier uses any kind of power and pumps from deep or shallow wells, or from any other source of supply. Protected inside and out by the Galvazink Coating it will give long years of satisfaction.

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## Farmers Service Bureau

(A Clearing Department for farmers' every day troubles. Prompt careful attention given to all complaints or requests for information addressed to this department. We are here to serve you. All inquiries must be accompanied by full name and address. Name not used if so requested.)

### RIGHT OF SCHOOL BOARD

Has a rural school board a right to collect and use money without having books officially audited? Have they any right to elect officers without calling for nominations, but merely suggesting a name and then voting? Has a renter a right to vote if he pays no taxes on land, taxes being paid by landlord?—E. F., Leslie, Mich.

A RURAL school board has the right to collect and use the school moneys without having the books officially audited. Under the law, the school board is the authority for auditing unless this office audits the books or directs the commissioner to audit them. The school district may also elect officers without calling for nominations.

A renter has the right to vote on questions that are not the direct raising of taxes, if he has children of school age and the names of the children are on the census list.—W. L. Coffey, Supt. of Public Instruction.

### LOCK UP STOCK

What can one do if a farmer won't keep his stock out of one's crops? We have notified him and he said he would keep them out, but they are right back every day—horses, cows and hogs. Is there no way he can be made to take care of them? We are sure tired of chasing them every day.—C. A. B., East Leroy, Michigan.

YOU could lock up the stock and compel the owner to pay the damages before returning them to him or you would sue for the damages done by the stock.—Legal Editor.

### TAKING DOWN TILE SILO

Would you please tell me if a tile silo can be taken down so the tile can be used again for rebuilding?—A. L., Alger, Michigan.

IT is not considered advisable to attempt to take down a tile silo so that the tile can be used again for rebuilding. Labor involved in taking the silo apart and cleaning the tile, and the breakage which is likely to occur is greater than the cost of a new silo. It is, however, possible to move such a silo providing the distance is not too great. Any local building mover could, I am sure, give you information on its removal.—F. E. Fogle, Assistant Professor of Agricultural Engineering, M. S. C.

### CAN WOMAN VOTE?

Can a woman vote at school election if she is born in the United States of foreign born parents who are not citizens and marries a foreign born man who is not a citizen?—S. J., Fountain, Michigan.

WHETHER or not a woman can vote at school election if born in the United States but married to a foreign person, depends upon the time of the marriage. If

the marriage has been since the new act of Congress which gives a woman the right to retain her citizenship, she could vote if otherwise qualified.—W. L. Coffey, Supt. of Public Instruction.

### FORECLOSURE

Will you please give me some information about the foreclosure of mortgages? If a mortgage is foreclosed last September how long can the present owner have the benefit of the place? If he put out wheat this fall can he harvest it and have all of the wheat? Would he be compelled to pay the taxes this year or could the person holding the mortgage pay them and add to the amount collected?—B. C., Middleton, Mich.

THE mortgagor would have one year in which to redeem after foreclosure. He would have to pay the taxes, but the mortgagee could pay them and add the amount to his debt.—Legal Editor.

### HOLDING SCHOOL OFFICE

Has a non-taxpayer any legal right to hold a school office in a rural district and is there any limit to distance to which district shall pay transportation to another school as our school is closed for one year?—A. S., Gobles, Michigan.

A NON-TAXPAYER can not hold a school office. The law does not place any limit on the distance that a school board may transport children if the people vote to close their school for the year.—W. L. Coffey, Superintendent of Public Instruction.

### NEW HIGHWAY COMMISSIONER

There being a new highway commissioner elected at spring election he qualified in a couple of days after election but did not present bonds to township board for ten days. Could the previous highway commissioner go on and snow plow roads without consent of township board and collect pay for same. We understand this that the new officer begins as soon as qualified regardless of bond.—A. L., Afton, Mich.

UPON the refusal of the highway commissioner to furnish bond within the time required by law, the office would become vacant and the township board could appoint some person to fill the vacancy until the election of a new officer. The commissioner going out of office would not have authority to work on the roads and collect pay therefor after his term of office has expired.—Legal Editor.

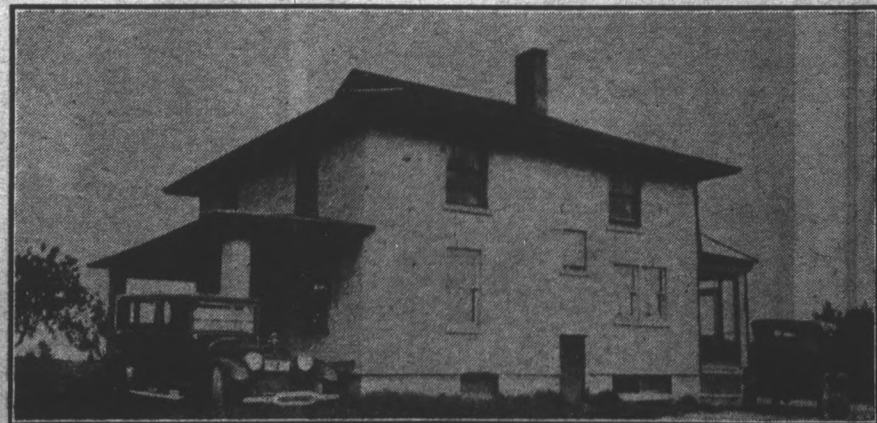
### NOT EXEMPT

Would you please inform me whether or not a World War veteran that has been over seas is exempted from paying taxes?—J. B., Merrill, Michigan.

—World War veterans who served over seas are not exempt from paying taxes.—Legal Editor.

## WHERE OUR READERS LIVE

Haven't you a picture of your home or farm buildings that we can print under this heading? Show the other members of The Business Farmer's large family where you live. Kodak pictures are all right if the details show up well. Do not send us the negatives, just a good print.



HOME OF MR. AND MRS. JAMES LEAVENS, OF BAY COUNTY

Subscriber James Leavens and his good wife, of Bay County, live in this fine home which has not been built long. The home is modern and Mrs. Leavens says, "I wouldn't exchange my home for the home of any of my city friends."





HERBERT E. POWELL  
State Commissioner of Agriculture

## BULLETIN SERVICE

(The bulletins listed under this heading are free. If you want a copy of one of more just list them on a postal card or in a letter and mail to us with your name and address. They will be sent to you without charges of any kind.)

### LIST OF BULLETINS

- Bulletin No. 1.  
—POULTRY RATIONS.  
Bulletin No. 2.  
—MODERN WATER SUPPLY.  
Bulletin No. 3.  
—SOIL FERTILIZERS.  
Bulletin No. 4.  
—SEED CORN CURING, STORING.  
Bulletin No. 5.  
—THE GOSPEL OF GOOD FEEDING.  
Bulletin No. 6.  
—BEFORE YOU INVEST.  
Bulletin No. 7.  
—FARM SANITATION.  
Bulletin No. 8.  
—FIRST MORTGAGE BONDS.

Bulletin No. 9.—FEED FROM THE EGG TO THE MARKET.—Poultry men will find this bulletin very helpful. It gives information on the different breeds, how to feed, breed, cull and market, and discusses the various diseases poultry is subject to. It contains 44 pages and is well illustrated.

Bulletin No. 10.—WHEN AND HOW TO DUST.—This booklet is made up of complete schedules for dusting to control disease and insect pests in the orchard and the garden. Each disease or pest is described and treatment by dusting given. A valuable booklet for those who grow any fruit or much garden.

Bulletin No. 11.—MINERALS AND FEEDING.—Prof. John M. Evvard, author of this 87-page booklet, is Professor of Animal Husbandry at the Iowa State College and chief of swine, sheep and beef cattle investigations at the Iowa Agricultural Experiment Station. In a series of home spun articles, written in dialogue fashion, he takes up the subjects of Profitable Rations, Factors in Feeding, Nutritional Deficiencies—Prevention, Judging and Feeding, devoted one chapter to each.

Bulletin No. 12.—HOW TO MAKE MONEY WITH LINSEED OIL MEAL.—A plain talk on the use of linseed oil meal by Prof. F. B. Morrison, head of the animal husbandry department of the University of Wisconsin and assistant director of the Wisconsin Agricultural Experiment Station. Most of you will remember Prof. Morrison through his work with W. A. Henry in preparing that well known book, "Feeds and Feeding". This 32-page booklet is well illustrated and just crammed full of facts on making up balanced rations.

Bulletin No. 13.—FIGHT THE EUROPEAN CORN BORER.—An excellent bulletin on the methods of controlling the pest which will interest every farmer. The illustrations include a map of the infested area and pictures of the various kinds of machinery used in the eradication work.

I am sending \$1.00 for renewal of my subscription for three years as I do not want to miss a copy. I like the paper real well. I can hardly wait until it comes. I like it so well. There is a lot of news in it, so renew when the time comes.—John Shettler, Bay County, Mich.

I have gotten two dollars ahead and will send you one to pay my subscription until you get tired of waiting on me. Your paper takes the place of Farm and Home that I took thirty odd years. Wishing you success, I remain.—L. P. Hardick, Shiawassee County.

# Skimming the Cream

①

## from thousands of acres

The product of many thousands of acres is required to fill the annual demand for seed of "Pine Tree" quality. Nature sets a difficult task—many lots of seed as they come from the fields must be refused altogether because they cannot be re-cleaned to "Pine Tree" standards. Other lots require expert refining with batteries of special machinery before they can be branded and sealed as "Pine Tree."

Take Biennial Sweet Clover for example. At the top (No. 1) is an enlarged photograph of an average lot of seed as it came from the thresher. Not fit to sow in this condition.

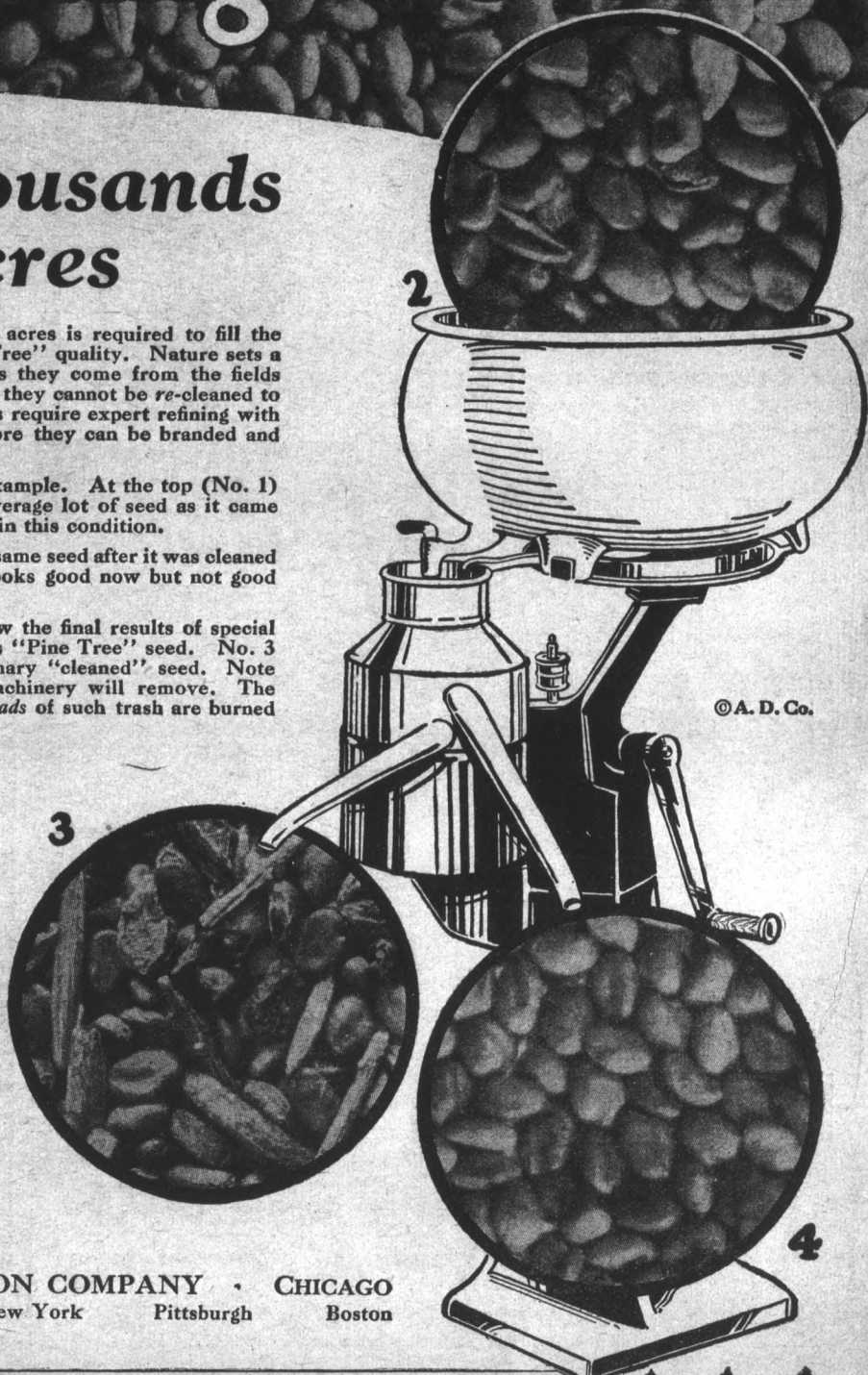
The circle marked No. 2 shows the same seed after it was cleaned by the grower's local elevator. Looks good now but not good enough for "Pine Tree."

Circles 3 and 4 at the bottom show the final results of special "Pine Tree" re-cleaning. No. 4 is "Pine Tree" seed. No. 3 is what was taken out of the ordinary "cleaned" seed. Note weed seeds which only special machinery will remove. The microscope shows them up. Carloads of such trash are burned by Dickinson every year.

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The new "Hip-Pocket" FARM GUIDE fills the need for a complete, practical guide to the growing of hay, pasture and forage crops of all kinds. Contains more useful farm information than has ever before been assembled into one book. Substantially bound in pocket size for constant reference. Fully illustrated. Contains official planting table for your State, checked by your Experiment Station. Would cost \$1.00 or more if sold in the usual way. Ask your "Pine Tree" dealer for a copy, or send 10 cents to The Albert Dickinson Company, Chicago, and book will be sent by return mail.

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The past few years have brought out conclusive evidence that many of the failures of our farmers in getting stands of alfalfa and clover were due to the use of unadapted seed.

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Attractive prices Now on new crop, high quality seed. White Blossom, Yellow Blossom and new dwarf variety, Grundy County. Free Samples on request. With plenty of this seed available there is no cause to worry over the red clover shortage. Our Bell Brand seeds show 99% Purity, with a germination of 90% or better. All seed scarified to hasten germination. We do not handle low grade seed. Write today for Isbell's Catalog. Over 400 true-to-nature illustrations, 20 pages in natural colors, FREE. S. M. ISBELL & CO., Seed Growers 350 Mechanic St. (99) Jackson, Mich.

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**GRADUATED NITROGEN (or Ammonia)**—From many sources so blended that the plant may feed on it, as needed from seed time to harvest.

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For 40 years "The Fertilizer Leaders of America" have studied the problem of soil fertility. They make a fertilizer to suit each farmer's needs no matter what crops he may be growing or what kind of soil there may be on his farm.

Write today for information regarding these high quality fertilizers.



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**Get the most for your limestone dollar**

66% more actual lime with SOLVAY

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You obtain 66% more actual lime for your money when you buy Solvay Pulverized Limestone.

Spread Solvay this year—note the bumper crops—and you'll spread Solvay every year!

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**Broadscope Farm News and Views**

Edited by L. W. MEEKS, Hillsdale County

(Many people write for Mr. Meeks' advice on different problems and he is always glad to give them the benefit of his wide experience without charge. Address him care of M. B. F. and you will receive a personal reply by early mail if you are a paid-up subscriber.)

#### Potato Questions

NEVER have we had as many inquiries for seed potatoes as we have had during the past month. These inquiries came from far and near—Virginia, New York, Missouri, Pennsylvania, Ohio, Indiana and Illinois, and a call from Oregon for a sample.



L. W. MEERES

Some of these farmers say they have never grown potatoes commercially before. The past two seasons have been rather favorable ones for potato producers, and very unfavorable ones for corn and bean producers. Many of the latter want to cut out part of their corn and beans and grow potatoes. Hence the call for seed. Here in Michigan the prospect is for an increased acreage, if the letters we are receiving are any criterion. These letters are very interesting, and one concludes the writers of them want to play the potato game right.

Perhaps a letter from A. J. of Sandusky, Mich., is a typical one, and in its answer the others will find the information they are in search of.

"Am planning on planting eight acres of potatoes this spring. As I have never planted many for market before would be glad to get a little information. What kind of seed would be the most suitable for this locality? How many bushels should be planted to the acre? Which is best, spring or fall plowing? Should potatoes be hilled up, or not? When is the best time to plant early, and when for late potatoes? What is best to kill bugs? Would lime and paris green be good put on dry? What proportions should be used? Please answer this is THE BUSINESS FARMER, and oblige, A. J."

The first question is very often asked: "What kind do you recommend for this locality?" If one could spend the time to look through all the seed catalogs that show up every season, one would conclude there are about fifty-seven varieties of potatoes, as well as 57 of pickles and baked beans. We are not certain about the pickles and beans, but we are very sure certain seed houses and seed growers have different names for the same variety. There are many who are always looking for something new in a potato variety. But strange as it may seem, the writer does not believe there are very many new varieties being introduced. There are perhaps different strains of the same variety. Our Michigan State College recommends only the following varieties as suitable or necessary for certification in Michigan: for late; Russett Rural, White Rural, and Green Mountain; for early; Early Ohio and Irish Cobbler. There are, perhaps, one or two other varieties in early and late sorts, that give more or less satisfaction, but their importance is not great.

Russett Rurals are also called Golden Russett, Late Petoskey, etc. The White Rural is of the same family as the Sir Walter Raleigh, Rural New Yorker, Carmen, etc. The Early Ohio is inclined to be a pink sort, and pink potatoes do not find favor with most markets. The Cobbler is recognized as the best early variety for this and adjoining states.

The Russett Rural is a fine sort. The skin is a golden brown and covered with a net work caused by this brown skin being sort of broken or drawn apart. This causes the skin to be a little rough and, on heavy soil enough of the soil will often adhere to the potato as to make it look dirty. This dirt is not easily re-

moved by any means other than washing. On dark, heavy soil we would not plant Russets on this account. It hurts the sale of them, for they do not have that clean fresh look so desirable with potatoes. This variety is a picture, when grown on suitable soil.

The White Rurals have a creamy white colored smooth skin. The dirt does not adhere to them like it does the Russett, and for that reason it is much better for heavy soil, or dark colored light soil. It is, we think, fully as good as the Russett.

About five years ago, the Upper Peninsula Experiment Station at Chatham, Alger county, released a white potato they had been developing. Its parent stock was a Rural New Yorker, and by careful selection for a term of years they greatly improved upon the original sort, and in what they call The New White Rural, Release Number 06300, they have given Michigan a very superior white potato. It is finding favor with all who grow it, and the demand for this variety is increasing year by year.

The Green Mountain sort is seldom grown only in northern sections. It seems to delight in the climate of Upper Michigan, New Hampshire, Vermont and Maine. From what has been said here it should be an easy matter for one to select a variety suitable for his soil.

A letter addressed to H. C. Moore, East Lansing, will put any one in touch with a reliable source of any of the above varieties. Mr. Moore is chief of the Potato Extension Service of the M. S. C.

The second question, regarding how many to plant per acre, is not easily answered because many things have a bearing upon the quantity—among them being the planting distance, size of seed, method of cutting, fertility of soil, weather conditions at planting time, and last, but not least, the price of seed. It is generally conceded by all experiment stations that the more seed planted per acre, the larger the crop will be. Many buyers of seed at our farm say they want to plant 20 bushels per acre. Others say 10 bushels, but perhaps the greatest number say 12 or 14. These who plant by hand in checks 3 feet each way use 9 bushels; those who plant in rows 3 feet apart and 18 inches in the row use about 15 bushels. This latter distance gives twice as many hills, but the seed is generally cut a little smaller, so it doesn't require quite as many again of seed potatoes. We plant close together in the row, and use real large seed, and often times it requires 22 or more bushels to plant an acre. The more fertile the soil, the closer the potatoes may be planted. One should use judgment about this, and plant a suitable distance, so that in ordinary years the tubers will not grow to extreme size, and by so doing develop many with hollow hearts. Close spacing on good soil will lessen this trouble.

Authorities do not agree upon date the plowing should be done. The writer, however, believes there are few, if any, instances when fall plowing is superior to early spring plowing. Get this—e-a-r-l-y spring plowing. This does not mean to wait until after corn planting and then plow the potato field. It means plowing for potatoes before the corn ground is plowed. Here is where much opposition asserts itself. Because many want to wait for the clover, rye or whatever is growing on the intended potato field, to attain a maximum growth for plowing under. In the early stage of our potato growing we were of this class, but found out we were wrong. The maximum growth should be procured the year before! and not removed! Yes, this really allows the soil two years to produce a po-

(Continued on Page 24)





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A. B. Ingram, Eton, Ga.

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# COUNTY CROP REPORTS

**Missaukee.**—We are having fine weather and good sleighing. Some farmers still hauling lime and marl. Quite a few loads of grain and potatoes going to market lately. The mild weather of last week settled our snow quite a bit and the roads were very slippery but Monday morning we had another snowfall of about six inches. Our county agent is holding meetings on land clearing. —J. H., 2-15-27.

**Alcona.**—Well we are getting a little more snow all the time but it keeps soft so it doesn't drift. Roads are open to car travel. Quotations at Spratt: Hay, \$12.00 ton; oats, 45c bu.; rye, 70c bu.; wheat, \$1.15 bu.; beans, \$4.30 cwt.; eggs, 35c doz.; butter, 50c lb. —R. H., 2-17-27.

**Hillsdale (C).**—Weather is much like last of March generally is. Buds are making considerable start. Fruit prospects are rather shaky at this time. Wheat and seeding seems all right yet but the next six weeks may mean a move in the wrong direction. Auctions are beginning to be announced. No farms being sold. Quotations at Hillsdale: Wheat, \$1.30 bu.; oats, 40c bu.; potatoes, \$1.75 cwt.; eggs, 29c doz. —L. W. M., 2-16-27.

**Hillsdale (NW).**—No cold weather so far in February. Dirt roads nearly impassable because of mud. Considerable farm property changing hands. Quite a few families preparing to move. Some grass seed has been sown. Wheat and rye looking good yet. Eggs 28c and still going down. —C. H., 2-17-27.

**Midland.**—Thunder storm the 16th and rain has broken up the coat of ice that has covered the ground for nearly two weeks which has damaged the wheat and rye also new seeding. Many fields of corn still standing in the shock and the corn not much good. —Quotations at Midland: Wheat, \$1.22 bu.; corn, 72c bu.; oats, 38c bu.; rye, 81c bu.; beans, \$4.30 cwt.; potatoes, \$1.25 cwt.; butter, 49c lb.; eggs, 30c doz. —B. V. C., 2-15-27.

**Saginaw (NW).**—Ground is covered with snow but not enough for sleighing. Farmers hauling beans; lots going to market, elevators full. Doing chores is about all they can do. Buyers here from Detroit buying horses; about 50 taken, but they will sell cheap. Not many auction sales. Few farms changing hands. Lots of chicks ordered for spring. One man ordered 15,000. It will be cheap eggs next winter. Quotations at Hemlock: Wheat, \$1.24 bu.; corn, 75c bu.; oats, 40c bu.; rye, 80c bu.; beans, \$4.30 cwt.; potatoes, \$2.00 cwt.; butter, 49c lb.; eggs, 30c doz. —F. Dungey, 2-16-27.

**Monroe (S).**—February's continued mild weather in connection with rain, sleet and snow has made the dirt roads almost impassable and farmers throughout the county are clamorously beseeching county and state highway commissioners for improved roads. A vigorous campaign for the annihilation of the European corn borer will be waged as soon as weather conditions will permit. Farmers are contemplating curtailing the corn acreage along the Michigan and Ohio border. Revival meetings under the auspices of the various religious denominations are being conducted in rural churches with various success. —C. W. Eisenmann, 2-16-27.

**Huron.**—Snow and rain, trucks and sleds. Wood hauling from the few remaining wood lots. Poor crops and dear coal. Feed being moved from farm to farm. Riding on a crest of dairy expansion, the 4th in 40 years. Beef herds fading; grazer steers scarce. The live stock balance is being disturbed, probably will result in milk product for export rendering our tariff useless. emulating Denmark and Holland without their skilled willing workers. Milk declining, \$1.85 per 100 lbs, test 3.5. —E. R., 2-16-27.

**Berrien (N).**—Pruning and wood cutting is the order of the day. Will soon be time to get spray rigs in order. Fruit buds in good condition generally. Considerable interest being shown in grafting and top-working. Many farmers intending to do some grafting this spring. —H. N., 2-17-27.

**Saginaw (SE).**—We have had some mild weather the past week. Snow all gone. Unimproved roads quite rough. Two miles of gravel to be built here this summer. Some farmers hauling gravel on roads and for their own use. A tractor school was held Tuesday 15th at Birch Run which was well attended and very educational to tractor farmers. Stock in healthy condition. Hay in good demand, especially clover. —E. C. M., 2-18-27.

**Genesee.**—The first of the week a few inches of snow fell but did not last long. Farmers are beginning to feel the main part of winter is over and work on farm tools and implements is commencing. Several auctions are being held. Prices are good on livestock. A team of horses brought \$410 at sales on Charles Thompson farm last Thursday. Muskrat trapping is being done by some farmers. Quotations at Flint: Wheat, \$1.20 bu.; corn, 82c bu.; oats, 40c bu.; rye, 79c bu.; beans, \$4.00 cwt.; potatoes, \$2.35 cwt.; butter, 54c lb.; eggs, 37c doz. —H. S., 2-18-27.



**Mason.**—Snow going fast. Roach Canning Company taking 600 acres sweet corn acreage. Also green string beans. No wax beans taken this year. Fears entertained by wheat growers that ice has smothered the crop. Many country women have joined in the sewing classes under the extension course offered by M. S. C. They are making splendid progress. Quotations at Scottville: Wheat, \$1.15 bu.; corn, 50c crate; oats, 50c bu.; rye, 70c bu.; beans, \$5.00 cwt.; potatoes, \$1.25 cwt.; butter, 40c lb.; eggs, 28c doz. —G. P. D., 2-17-27.

**Washtenaw.**—Mild winter weather the past two weeks. Snow and ice about gone. The usual amount of live stock is being wintered. There is plenty of feed to finish the winter. Some corn still in the field. The poultry business is being increased among the farmers of the county. Butter, 54c, eggs, 35c. Hay is from \$16.00 upward per ton. —A. W. S., 2-18-27.

**St. Joseph.**—Spring-like weather. Snow is all gone. Wheat looks good. Young clover is still all right so far. Farmers are busy buzzing wood and hauling manure. Auction sales are quite numerous. Horses are bringing a fair price while cows go out of sight. Roads are in bad shape. —Alvin J. Yoder, 2-17-27.

**Defiance (Ohio).**—Weather mild and some rain. Been very warm past two weeks. Frost nearly out of ground. Muddy roads. Postman cannot cover all his route. Sales numerous. Prices on cows and hogs sky high. Good grade cow sells for more than pair of common horses. Good machinery sells well, hay and real estate slow. A few are trying town life but not as many as a few years ago. Some young men returning to farm, after spending time and money in city. Quotations at Bryan (Ohio): Wheat, \$1.25 bu.; corn, 80c cwt.; oats, 40c bu.; hay, \$10.00 ton; milk, \$2.35 cwt.; potatoes, \$2.50 cwt.; butterfat, 51c; eggs, 28c doz. —W. E. B., 2-17-27.

### STATE REPORT SHOWS CLUB WORK BENEFITS

EIGHTEEN thousand six hundred and sixty three Michigan boys and girls were members of boys and girls clubs in 1926, according to the annual report just released by A. G. Kettunen, state club leader. Club work was carried on in all Michigan counties except eight.

During the twelve years that this type of training for Michigan youngsters has been carried on, there have been 215,752 members of boys and girls clubs in this State. Enough time has elapsed since the initial clubs were organized so that a measure can be taken of the value of the work to club members in their future activities.

Many of the club members go to colleges, universities, or the normal schools after they have finished club work. These former members find that the training which they received in raising stock, in growing crops, in canning, or in making clothes has a great deal of direct value.

A majority of the former club members, however, do not go on to college after they have finished their high school courses, and these club members, who are men and women now, are almost without exception leaders in their communities. They are still interested in club work and act as local leaders for the clubs of today.

There are several good herds of pure bred stock in the State which had their inception in the live stock club work. Boys are beating their fathers in the raising of many field crops because of their training.





A field of cucumbers on the farm of C. H. Harnden, our Farm Garden editor. When this was taken the cucumbers were just starting to run.

## THE FARM GARDEN

By C. H. HARNDEN  
(Questions Gladly Answered.)

### FERTILIZING

MUCH has been written on fertilizing the general farm crops but when it comes to fertilizing the garden crops information is often found lacking. While there is no question but that good, well rotted stable manure will always be the old stand-by as a garden fertilizer the fact remains that the supplementing of commercial fertilizers will often prove beneficial. Manure at best is a poorly balanced plant food when used as a garden crop fertilizer. It contains a good amount of nitrogen but is decidedly lacking in the phosphorus and potash elements. The nitrogen in manure also is a slowly available form especially during the cool months of early spring when the chemical changes known as soil nitrification is slow in taking place. For this reason it is often advisable to apply a moderate application of a nitrogenous fertilizer to stimulate early growth until the nitrogen contained in the manure becomes available. Nitrate of soda is the form of nitrogen most used as the nitrogen in this becomes available at once.

In fertilizing garden crops a thorough knowledge of the effects of the three necessary fertilizer elements is essential. Nitrogen produces leaves or vines according to the character of the crop. For this reason it is a valuable plant food to use in growing such crops as lettuce, cabbage, spinach and other crops in which the leaves form the edible portion of the plant. Due to this an over abundance of nitrogen in the soil will prove detrimental to such plants as tomatoes, beans, peas, etc., by producing a vigorous vine or top growth at the expense of fruit or pod production and early maturity. However, the leaves of the plant being the kitchen of the plant where elements taken from the air are transformed into food for the roots its should not be inferred that nitrogen is not necessary. The harmful effects I have observed were only noticeable where there was over abundant.

Phosphorus is the plant food elements most generally found lacking in the garden soil. Its chief function is that of promoting early maturity of plants in which the fruit, seeds, or pods are the edible part of the plant. In this group are included tomatoes, melons, peas, beans, corn, etc. In fact, our heaviest crops of early tomatoes, corn, peas and beans were produced on land which had had no manure for two or three years but was liberally supplied with 16 per cent acid phosphate alone. There is no question but these crops are not heavy feeders of nitrogen. In fact, corn will sometimes thrive on a soil where other plants stand still for want of nitrogen, providing the phosphorus element was not lacking.

Potash finds its chief use in stimulating root growth and is therefore invaluable in the culture of such crops as beets, radish, carrots, onions, etc., the fleshy roots of which are used for food. The onion crop is also highly responsive to nitrogen. Potash is also valuable in fact necessary to all plants as good root growth is of prime necessity to all plant life. Stable manure contains small amounts of this element but supplementary applications are as a rule profitable to use.

The question now comes—what should a good garden fertilizer for general use analyze? A formula containing 4 per cent nitrogen, 8 per cent phosphorus and 10 per cent potash is generally considered the

basic garden fertilizer. This of course will need to be varied according to: 1. Kind of soil in regards to humus content, texture, moisture retaining qualities and previous methods of fertilization; 2. Kind of crop

as outlined; 3. Importance of early maturity.

When no manure has been used for some time and one is to depend on commercial fertilizer alone, I am of the opinion that the 4-8-10 proves very satisfactory under average conditions when it is desired to use one analysis on all crops. Where manure enters into the program the nitrogen element may be decreased or even manure is seldom satisfactory for best results. It is better if composted in a pile for 6 months or so and then applied after plowing and worked in. Moderate yearly applications are to be preferred to heavy applications once in two or more years as in the former method much of the food properties are lost through leaching, especially in the lighter soils. It is seldom advisable to apply commercial fertilizer at rates exceeding 1,500 to 2,000 pounds per acre unless succession

cropping and then it would seem more advisable to treat each crop separately. Good results are often attained by use of 500 to 1000 pounds on soil in moderate condition.

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Poultry Farmer: "Wonderful; they haven't laid a bad egg yet!"

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Rastus: "Whah yo' all gwine?"

Rufus: "I'se gwine to de hardware store to get some Ku Klux metal."

Rastus: "What you'all mean, Ku Klux metal?"

Rufus: "Sheet metal, man sheet metal."

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Boy: "All of me, sir!"

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## Watchman, What of the Night

A NON-SECTARIAN SERMON BY

Rev. David E. Warner

(If there is any questions regarding religious matters you would like answered write to Rev. Warner and he will be pleased to serve you without charge. A personal reply will be sent to you if you are a paid-up subscriber.)

TEXT: "One calleth unto me out of Seir, Watchman, what of the night?"—Isaiah 21-11.

WASHINGTON and Lincoln live on. They live through the inspiration of well-nigh unparalleled faith and persistence. In that dark winter at Valley Forge, Washington is often on his knees. In that terrible gloom after the Emancipation Proclamation, when the people were fickle, and political friends were forsaking him, Lincoln, in the grace of a manly faith and a childish humility, is wont to carry his cause to the God Whom he trusted. He says, "I have been driven many times to my knees by the overwhelming conception that I had nowhere else to go. My own wisdom, and that of all about me seemed insufficient for the day." "What of the night" was the agonizing prayer on the lips of both of these political saviors.

But in the days of our text, a veil of darkness was settling upon all the nations. Out of the silence of decay and death, the prophet hears the cry, "What of the night?" Some distressed soul was seeking an oracle of relief. He wonders how long judgment will last and when the morning will come.

Now, what were the signs in those days that pointed to a night of gloom? Let us consider what Isaiah says about Judah, for she was no exception. Chapter 5:8-20 gives the woeful story. Corrupt wealth was gnawing at the vitals of Judah. Property was falling into a few hands, and these selfish few had formed a protected class, which ignored social responsibility while accumulating more pelf, and thus crushed the life out of the hapless people. Agriculture was the chief occupation, and so much of the wealth-getting took the form of grabbing farm after farm "until there was no more room." But we have a great herd of this class in America. "Industrial Facts" by Kirby Page has these statements: "Two per cent of the populations owns sixty per cent of the wealth." "One man is on the board of forty-five railroad companies." "Senator LaFollet (now dead) points out that, 'the real power which today controls the railroads of the United States, is the group of a dozen New York financial institutions.'" "The 1910 census revealed the fact that about one-fourth of the agricultural land in the United States was in the possession of about six ten-thousandths (only a fraction of one per cent) of the population. \* \* \* Fifty-four owners had, it is said, nearly 27,000,000 acres." And in contrast to this, let us note this statement, "About ten million persons are living in poverty, or at the margin of the minimum standard of existence." America needs the warning of Isaiah that if she would foster congested wealth and turn her ear from the cry of the many, she is sowing the seeds of doom. Wealth, in its indulgent forms, is a sure menace to national existence. Abandoned farms and desolate houses are silent forerunners of greater ills that are to prey upon us. Who said that the first function of government was to protect the rich and their money? Verily, that is no Christian oracle!

And, says the prophet, wealth leads to social indulgences of the most virulent forms. The times were prosperous and wealth had its chance. But Isaiah saw nothing but evil in it. And Jesus says, "how hardly" can riches bless the possessor. Why? Because it is not used to bless others. Yet, there are some happy exceptions. But the prophet's picture is a modern realism. He points out that drunkenness follows wealth. Certainly. There are many right around you that "tarry late into the night until wine inflame them." And they yet have the "harp" and "lute" in their midnight feasts, and seek to give their revelry a touch of art through cheap

music. Such animalism is deaf to the call of God and to the signs of the times. "They regard not the work of Jehovah, neither have they considered the operation of his hands."

Before the prophet finishes his scathing picture, he must tell how money and drunkenness are taking away righteousness from the land through corrupting the courts of justice. He relates how public officials "are mighty to drink wine" and to mix their drinks. How well Isaiah painted modern conditions and government in collusion with corrupt wealth. Why did General Pershing recently say, "If the time ever comes when public officers can be virtually bought and sold, then the downfall of the Republic is not far off." When will we be warned by our decaying manhood and our illicit love for material possessions? It adds nothing to the vision of President Coolidge that he said in a recent address, in speaking of Europe's plight, "Those who need credit ought not to complain, but rather rejoice, that there is a bank able to serve their needs. Well, a community of farmers that is long mortgaged to the town bank, does little rejoicing, but it often falls into the belief that wealth is oppressing it. Now, Europe believes that Uncle Sam is taking advantage of her through her economic misfortunes. And this belief is daily breaking down international good-will. Surely, we will not deliberately allow our wealth to make us incapable of trust and belittle us before the whole world!"

The Jerusalem seer clearly discerns the end. "Therefore my people are gone into captivity for lack of knowledge." Telling it another way, "It is righteousness that exalteth a nation." Our President says and would have us believe, "Our moral and spiritual life has kept measure with our material prosperity." But this scribe does not believe it, though we could wish it were altogether so. Our ears are dull of hearing, for example, the appeal of China for the many ministrations of Christian mercy. And until we clear our intentions by purifying our industrial aims in that and other foreign realms, we cannot be said to have the "moral and spiritual life" close at heart. And until we purge public life of the corrupting influence of wealth and wetness, our moral and spiritual life has kept poor measure.

"Watchman, what of the night?" When will the morning come? But the prophet discerns the dawn. "The people that walked in darkness have seen a great light: they that dwelt in the land of the shadow of death, upon them that the light shined." But for long now the Light has shined to lead the way out of our perils and to give us a vision of that day when "of the increase of His government and of peace there shall be no need." Church of God, arise, and sing less "I want to be an angel", and more "The Son of God goes forth to war" for righteousness and justice among the peoples.

#### KEEPS FARMERS POSTED

DEAR EDITOR: We all like your paper. It sure keeps the farmer posted on what is going on. At home the paper comes in my boy's name, but the whole family is interested in the M. B. F.; market, weather, service, poultry, farm home and all departments are good, like a home paper. We have other farm papers but they are so far away with their news that we hardly look at them. Your paper tells us what is going on around us. We like the crop reports and your chicken reward idea. We have a nice bunch of Wyandottes, white thoroughbreds and would not like to find them missing some morning. We have a new coop 16x30, and have the door wired for alarm.—Ed Visser, Osceola County.



## WHAT THE NEIGHBORSSAY

## ABOUT CORN BORER

DEAR EDITOR: I have read so much about the corn borer and the methods being employed to control it that I feel like saying a few words. This is a matter in which we farmers are all concerned, for while up here we are away out of what is called the corn belt we do depend, to a large extent, upon our corn; in fact, I would say it will be a real calamity if that crop is lost to us. I know that a great effort is being made by many men who know more about the habits of the pest than I do to control it; still I have not as yet read of anybody trying out the plan I should attempt if I had to do it on my own farm.

While I am not sure, I presume the borer is much like many other pests and would welcome the first thing that suited it. Potato bugs will flock to the volunteer plants, grasshoppers will readily come for poisoned bait and many other pests will come to strips or plants put out for their benefit, so were I to prepare for the corn borer next spring, I would clean up my premises as well as possible of all such stuff as the borer cared much for. I would then clean up a strip entirely around my farm and fit it up and plant it to Golden Bantam sweet corn or some other very early corn just as soon as the weather was fit to plant corn. Also if the farm was large I would run strips four or five rows wide across it each way. I would then do my regular farming inside this ring of corn and plant such other corn as I felt I must at as late a date as could be trusted to leave time to mature, corn of some early variety. It seems to me the corn in these strips would be so far advanced before the main crop was around enough to call the borers that it would catch a large majority of them and when it was thought that this corn had capured all it could and its usefulness was ended, cut it or pull it and make away with it. I think that this might do considerable good if generally done by those in the infested area. Then again it might be a fool idea. I really don't know, still I am mighty interested.—Clare D. Scott, Cheboygan County.

## POOR LAWS

DEAR EDITOR: There are some laws that I consider very weak and unjust. First the auto license plate should go for the life of the machine and we should have a four cent gas tax.

Second, all hunters, no matter how old, should be obliged to get a hunter's license, and a license should be for hunting, trapping and fishing. If that was the law, lads from 10 to 15 years old could not kill quail and in fact every bird they see. They should be allowed to hunt on their parent's land without a license. These same lads go to the lakes and streams and catch small fish, simply for sport. If everyone, no matter what age, who wants to hunt, trap or fish was obliged to pay \$1.25 for a license, game and fish would be much more plentiful. Another weak law is the traffic laws of Michigan. When one machine drives by another and causes an accident that driver should be fined from \$100 and 90 in jail and have his license revoked for two years. Such a law save many lives.

One of best privileges the members the members of the M. B. F. do enjoy is the exposing of crooks so the members are ready for them.—J. L. Klein, Washtenaw County.

## DEPORT CRIMINALS

TO the Editor: Capital punishment is to come up again. Some claim 8 out of 10 criminals in the United States were born in the old country. Why should we kill them? Wouldn't it be better to deport them to their old home? That would empty our State prisons and save taxes for the Americans. We wouldn't have the expense of building more prisons. We could rent what we have for some good use. If a man won't obey our laws we should not keep him at our expense. Don't kill him, send him back home.—Lewis Briggs, Wayne County, Michigan.

## McCormick-Deering Tractors

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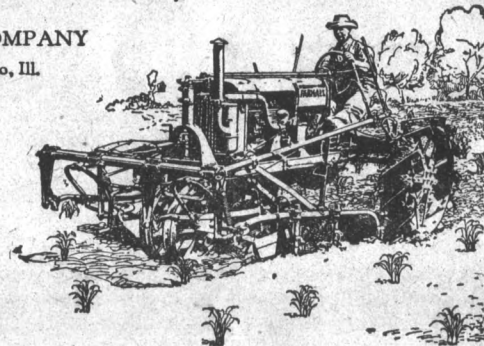
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Kalamazoo

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KALAMAZOO TANK & SILO CO.  
Dept. K-5 Kalamazoo, Mich.



# The Michigan BUSINESS FARMER

SATURDAY, FEBRUARY 26, 1927

Edited and Published by  
**THE RURAL PUBLISHING COMPANY, Inc.**  
George M. Slocum, President  
MT. CLEMENS, MICHIGAN

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## RELIABLE ADVERTISERS

We will not knowingly accept the advertising of any person or firm who we do not believe to be thoroughly honest and reliable. Should any reader have any cause for complaint against any advertiser in these columns, the publisher would appreciate an immediate letter bringing all facts to light. In every case when writing say: "I saw your advertisement in The Michigan Business Farmer." It will guarantee honest dealing.

"The Farm Paper of Service"

## NEW SERIAL STORY

THOSE who read "Forty Years of Faking" and "How Bill Bucked the Tiger" in our columns some time ago will be pleased to know that we have secured the publication rights to another story somewhat along the same line—the activities of thieves in rural communities. The two stories mentioned dealt with the work of grafters, while the new one has to do with the depredations of a gang of thieves and how they were caught. "Millbank Brings Back Its Bacon" is the title of this new story of the troubles of a farm neighborhood—perhaps your neighborhood. Of course it is fiction but the background is true to life and shows what farmers can do to get rid of thieves when they organize themselves into protective associations as they are being forced to do to protect their property in many sections. It is not a long story and has something doing in every paragraph so you are bound to find it very interesting. The first installment will appear in our March 12th issue. Don't miss it.

## BEARING FRUIT

WHEN Governor Fred M. Green took over the reins of the government of Michigan at the first of the year he made a rather brief and to the point speech which included the statement, "This Legislature could easily become the outstanding Legislature of the United States with every member going home proud of the achievement and with an acknowledged place in the history of Michigan, if you would proceed to your work on the theory that we need no more laws."

Apparently his advice is bearing fruit, because the first bill to be passed by both houses during the 1927 session was brought to the Governor's desk only last week. And the Legislature convened over seven weeks ago.

Let us hope that quality rather than quantity will be the watchword throughout the session.

## 40,000 FRIENDS

WHEN it comes to going to the rescue of their own kind there is not a class of people in the world that can hold a candle to the farmers. When we asked for petitions urging the acquittal of L. J. Wilson, Montcalm county farmer, charged with manslaughter because he fatally wounded a chicken thief he caught robbing his hen coop, we had a faint idea of the response we would get, but the number soon passed our prediction and every mail brought more until we became almost swamped with them. From every direction they came, some with only two or three names on, others with over two hundred listed one below the other on a long strip of paper. As we write this we have over 38,000 names signed to petitions and letters urging that Mr. Wilson be declared "Not guilty!" Then some of the letters are from granges, farm bureaus and farmers' clubs in different sections, and they contain a resolution adopted by that organization which is officially stamped and signed by the secretary. These represent many

people whose names we do not have. Also there are some who have sent their petitions direct to the judge who is to hear the case. So the total number of folks, most of them living on farms in Michigan, who signed to have Mr. Wilson acquitted is over 40,000. And some of them even sent in money or signified their willingness to help him bear the expenses.

Is there any other class of workers who would show this spirit toward a brother? We have never heard of any, and furthermore, we have no idea that we ever will hear of any. Out in the country folks think of something else besides themselves. In the cities it is self first, last and all the time. Thank God we were born and raised close to Mother Nature.

## FUNDS TO FIGHT THE BORERS

IT seems the bill to appropriate \$10,000,000 for fighting the European corn borer before Congress at this writing is moving along without a hitch and if the Legislatures of the different states interested in this fight do not get busy they are going to be trailing a long ways behind. The states ought to be leading instead of trailing.

Michigan is to get about a third of the \$10,000,000, which she is to match with \$1.00 of the State's money to every \$5.00 from the U. S. government. Action is needed all down the line because the borer will soon be active again, and we want to be ready to "go to the front" when the borer begins his 1927 attack.

## FARMERS' WEEK BIGGER AND BETTER

EVERY year Farmers' Week at the Michigan State College is a little bit larger and a little bit better than it was the year before. Every year new features are added to bring out a larger crowd of farm folks to mingle at their own agricultural college and get the latest information on things of particular interest to them. It is very gratifying to notice how the interest in this annual event increases yearly because it means our rural folks are becoming more and more interested in business farming instead of just "farmin'."

We tried to tell you all about the 1927 Farmers' Week in the last issue, but it wouldn't hold it all so we are telling you some more about it in this issue.

## At the Family Reunion

By ANNE CAMPBELL

At the family reunion,  
When the babies all git cryin'  
And the women all git talkin'  
Of the livin' and the dyin',  
Then I grab my pipe an' beat it  
Fur the barn or fur the stable,  
An' I don't come back till dinner  
Is a settin' on the table.

At the family reunion,  
When the chicken's crisp an' tender,  
Then my disposition softens  
An' I'm anyone's defender.  
I kin stand the women buzzin'  
'Bout their clothes an' all sich foolin'  
When we're sittin' down at dinner,  
An' the punkin pies are coolin'.

At the family reunion,  
I'm the oldest one attendin'.  
An' sometimes it seems to gabbin'  
There is never any endin';  
But as long as there is cookin'  
Set before old eyes a-dimmin'  
Sech as we git when we gather,  
Then there is some use for women.

At the family reunion,  
I fergit my bones are achin'  
When I sit around the table,  
I ain't old; I ain't forsaken.  
Fur my kin are sittin' with me,  
An' their young an' purty faces  
Make me sorry I got grouchy  
An' I put them in their places.

At the family reunion,  
When the women's busy clearin'  
Then I set back in my corner,  
An' it ain't their gab I'm hearin'.  
Guess I nod a bit, fur allus  
Other days come back to hound me  
An' I dream I'm young an' settin'  
With my family around me!

## LEGISLATORS, SPARE THAT LAW!

A BILL to repeal the five day marriage license law has been introduced into the Legislature at Lansing. The law as it now stands calls for an interval of five days from the time the application is made for license to the time it is issued, and the bill to repeal the law is introduced, we understand, at the request of the County Clerks' Association, which states that the income of the county clerks is cut materially because the ardor of many lovesick couples cools off within the five days and they fail to come back for their license.

If love will not last over five days no couple has the right to get married. Every lawmaker at Lansing should stop to think that he will encourage divorcees if he votes to repeal the law as it now stands. Certainly none of us want our divorce courts any more crowded than they are at present. Heaven forbid. What we want to work towards is fewer divorcees, not more.

"Marry in haste and repent at leisure," is a poor rule to follow, and only county clerks who are extremely selfish would encourage it. If county clerks are not making enough money let us raise their salaries, but leave the five day marriage license law alone.

Legislators, spare that law!

## MAPLE SUGAR TIME

IT will not be long before the sap will be running and the making of maple sugar will be in full swing in Michigan. If one is just making what sugar they want for their own use they get a lot of fun out of it whether they profit from it or not, but if it is a matter of dollars and cents with them there are a few things they should ask themselves.

One question to consider is, what costs will have to be borne regardless of whether sugar is made? Another is, what employment is available that will pay as well? And still another, with what farm operations will it interfere and how serious will be the interference?

According to figures given out by the U. S. Bureau of Agricultural Economics, based on prices received for maple sugar by New York and Vermont producers, for the years 1921 to 1925, producers received about forty cents an hour for their labor. The average cost of production disregarding the producer's labor was about \$1.00 per gallon, and the total cost averaged \$1.45 and ranged from 54 cents to \$4.24 a gallon.

## HELP OUR POULTRY INDUSTRY

THE Legislature is being asked for \$200,000 for the erection of several new poultry buildings at the Michigan State College. Some time ago we mentioned on this page that such a request would come before this session and we expressed the hope that favorable action would be taken. Again we want to voice our feelings in favor of such action.

Taxes are already too high and we do not want to see any more appropriations made than are really necessary because the money must be raised if it is spent and most appropriations are taken care of through taxes assessed on the land, but this can be considered an investment that will pay good dividends.

Experts declare that the poultry industry receives the least service in proportion to its value of any other industry in the State. It is not because we do not have the right men in charge of the work. Far from it, because the members of the poultry husbandry staff at the Michigan State College are leaders in the field. The trouble is that they have practically nothing to work with to render the needed service. The \$200,000 will take care of that.

Get in touch with your lawmakers and urge that they do their bit toward getting this through.

## PETER PLOW'S PHILOSOPHY

"Set and think" is supposed to be good advice but ain't it funny how many folks can "set" but so few think?

Life is like an apple pie-crust an' apple sauce, an' most of us like it.

## COMING EVENTS

March 1, 1927.—Special Meeting Michigan State Horticultural Society, Paw Paw, Mich.

March 2-3, 1927.—Regular Spring Meeting Michigan State Horticultural Society, South Haven, Mich.

August 1-4, 1927.—International Country Life annual meeting, Michigan State College, East Lansing, Mich.

August 4, 1927.—Farmers' Day, Michigan State College, East Lansing, Mich.

"The Business Farmer" is more than a periodical. It is an Institution of Service!



## THE PUBLISHER'S DESK

(We are always glad to do all we can to protect our subscribers from fraudulent deals or unfair treatment from concerns at a distance. We advise on stocks and bonds, and investigate different concerns for our subscribers. This service, including a personal letter, is free when subscription is paid in advance.)

### \$7,500 ACCIDENT POLICY FOR \$1

THE other day we received a letter from one of our subscribers who it seems, was very much "het up" over an accident policy which had been sold to him in connection with a subscription to a farm paper. It appears Mr. Salesman for said farm paper had told our subscriber that if he took out a policy with him that there was nothing left for him to worry about as far as bodily injury was concerned—the policy was just as safe as a government bond and covered every injury known to man, all for the magnificent sum of only one dollar a year.

Now we don't want to say an unkind word about our subscriber, but honestly don't you think he should have known better? Why, this agent stood right up close to our good subscriber and told him that should he fall off a load of hay, should the cow kick him or should the bull run him out of the pasture and maul him up doing so why all Mr. Farmer had to do was to go in and lay down on the couch, take it easy, call the doctor, get a nurse, and stick close to the house for fifteen weeks and draw down more money from the insurance company than he could make each week farming. And because this agent looked fairly honest and represented a good farm paper our subscriber fell for the story, took out a subscription and one of the policies—he had to do that in order to get the subscription.

Well along came the policy within a few days and after our friend subscriber read it over he started saying things, and when he did his wife ran the children into the bed room and locked the door behind her, because the things friend hubby was saying about that policy were not fit to be heard by young children or a sensitive wife. After the atmosphere cleared away Mrs. Farmer went out and put her arm's around his neck and told him to never mind but to write THE BUSINESS FARMER all about it and learn the real truth about these insurance policies—for after all it was only a dollar—then he raved far into the night about the general principle of the thing, and why couldn't a man take a farm paper without an insurance policy tied to it.

The next day he wrote us the whole story, and we wrote him as follows:

"Sorry, indeed, to learn that a 'slicker' took you in on an accident policy. You know by this time that your policy only protects you while travelling or an injury in a public building such as a church, theatre, library, and then only under certain conditions. Your policy or any other dollar policy will not protect you while on your own property. In order to get a policy that would cover all the things this agent told you were covered in your dollar policy it would cost you from fifteen to twenty five dollars a year.

"Remember, you have a good policy and it is well worth a dollar but its too bad the agent lied like a trooper for it was not necessary. Had this man told you the truth you might have taken the policy anyway for as we said before it's worth the money—in this day and age of accidents while travelling.

### The Collection Box

The purpose of this department is to protect our subscribers from fraudulent dealings or unfair treatment by persons or concerns at a distance.

In every case we will do our best to make a satisfactory settlement or force action, for which no charge for our services will ever be made, providing:

- 1.—The claim is made by a paid-up subscriber to The Business Farmer.
- 2.—The claim is not more than 6 mos. old.
- 3.—The claim is not local or between people within easy distance of one another. These should be settled at first hand and not attempted by mail.

Address all letters, giving full particulars, amounts, dates, etc., enclosing also your address label from the front cover of any issue to prove that you are a paid-up subscriber.

THE BUSINESS FARMER, Collection Box  
Mt. Clemens, Mich.  
Report ending February 18, 1927.  
Total number of claims filed.....2959  
Amount involved.....\$30,775.57  
Total number of claims settled.....2463  
Amount secured.....\$28,437.91

"THE BUSINESS FARMER has an accident policy too, but we do not allow our agents to sell it. Our field men give out insurance blanks and on these blanks are printed in detail just what you get for your money. You do not have to buy an insurance policy in order to get our paper, if you want the policy it's alright with us and if you don't we feel just as good about it—THE BUSINESS FARMER comes first with us—and the policy is just an added service if you care for it.

We are glad you like THE BUSINESS FARMER and that you feel safe in writing us about any subject knowing you will get a square deal—that is just the way we want you to feel. Call on us again.

### GENERAL MOTOR SUPPLY CO.

I will send you a bunch of letters from the General Motor Supply Company of La Crosse, Wis. I believe it would be wise to advertise them through your columns. Tried one of their gas governors and find it of no value at all. Besides they are giving too many valuable premiums that alone show it is all bunk.—J. D., Turner, Mich.

GENERAL MOTOR SUPPLY COMPANY". Repeat that over a couple of times. What does it make you think of? General Motors Corporation, of course. Isn't it quite possible that those operating this "gas governor" firm are trying to get you to confuse the two, or possibly give you the impression that General Motors is back of their business? We think so. Well, don't believe it.

As for their "gas governor" we have no faith in any of these so-called gas savers. To date we have never heard of or seen one of them that would work with any degree of satisfaction, and we believe that if one is ever perfected it will become standard equipment on automobiles as no one is more anxious to conserve the supply of gasoline than the manufacturer.

### WHY INVESTORS DO NOT GET DIVIDENDS

ARE there any of our readers holding first mortgage bonds of Bernard and Sara Fineman, written against the Plaza and Waverly Apartments, of Detroit, issued and trusted by the Michigan Bond and Mortgage Company in 1924? We hope not because the chance of collecting interest is mighty slim.

According to the Detroit Better Business Bureau, the Plaza Apartment building has stood for months unfinished, the doorways unbaricaded, the premises piled high with rubbish and overgrown with weeds, apparently without protection of any description. The Waverly Apartments present a similar appearance. Folks living nearby state that during the year or more since the project was apparently abandoned vandals have carried away much of the materials not only piled in the street but in the building as well, while children use it as a playhouse, breaking the windows and otherwise destroying the property.

Some of the officials of the Michigan Bond and Mortgage Company have been under fire in connection with companies of shaky reputation, we are informed by the Detroit Better Business Bureau.

Reputable investment banking houses allege that the established practice as regards mortgage bond issues would leave no chance for such a situation as exists in this case. The trustee would have held sufficient money to complete the building, and released the proceeds of the bond issue only to pay bills accomplishing that end.

I thank you very much for your kindly interests in my dealings with the — of Chicago. They have at last acknowledged my order and sent me goods. Were it not for the M. B. F. I should have received nothing. Thanking you again, I am a satisfied subscriber.—Mrs. A. P., Delta County.

## Our Conservatism is Your Further Protection

In addition to a profitable rate of interest, the first mortgage real estate bonds recommended by the Federal Bond & Mortgage Company offer to investors the certainty belonging only to safe securities backed by the integrity and stability of a dependable investment house.

Safeguarding investors is our established policy. Not one has ever had to suffer the slightest delay in payment of principal or interest when due on securities purchased from us. Mail the coupon below and we will gladly send you full information regarding the bonds we sponsor as well as the investment services we are prepared to render you.

## 6% & 6½%

Normal Federal Income Tax Up to 1½% and 2%  
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## Federal Bond & Mortgage Company

FEDERAL BOND & MORTGAGE BUILDING  
Corner Griswold and Clifford, Detroit, Michigan (1869)

## A WONDERFUL SUCCESS

"Nothing succeeds like success," they say, but where success is constant and increasing there must be some unusual merit back of it. The continued success of the Auto-Oiled Aermotor is based entirely on merit. It has been made better and better year after year. Improvements have been added as experience has shown the way. The Auto-Oiled Aermotor of today is a wonderfully durable and efficient windmill.

The Aermotor Company, more than 12 years ago, solved the problem of complete self-oiling for windmills in such a way as to make the system absolutely reliable. The oil circulates to every bearing and returns to the reservoir with never a failure. There are no delicate parts to get out of order. The double gears run in oil in a tightly enclosed gear case.

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AERMOTOR CO.  
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Sour soil means poor crops. Experts agree fertilizer is useless on sour soil—it must have lime. The "Holden" Spreader makes bigger crops. Guaranteed to handle lime in any form, fertilizer, phosphate, gypsum, wood ashes or crushed shells.

### Soil Tested—free

What about your soil—your crops? Are they big and sturdy as they should be? Find out today without free Litmus Test Papers—positive soil test recommended by all soil experts. Write for them now.

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Dept 522 Peoria Illinois

Cannot Clog. Try Spreader 10 days Free. The Holden Lime and Fertilizer Spreader will make your soil healthy and productive. Spreads twice as far as any other; 20 ft. Attaches to any wagon or truck. No holes to bore. Spreads evenly 100 to 10,000 lbs. per acre. Handle material only once, from car to field. Get literature and low prices now and ask about 10 Day Free Trial.

SPREADS 20 FEET

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**DREW**  
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## Poultry Equipment

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For over 28 years DREW has maintained an unvarying policy to build only the best quality of good, dependable, practical equipment which could be sold at a big saving in price to the man who buys it.

All we ask is for you to compare DREW quality, utility and prices with any other and you will be both surprised and delighted how much further your money goes when you buy DREW Poultry Equipment.

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### Send for Name of Nearest Drew Dealer

DREW Line Equipment is sold by good dealers everywhere. Send for our Poultry Equipment Literature which shows the methods and equipment used by others to get bigger profits—and we will send you the name of the DREW Dealer nearest you.

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**Ever Since 1898—Better Equipment for Less Money**

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The **Walsh**  
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**I Will Ship You**

a Walsh Harness for a 30 day free trial on your own team. See for yourself that way—a proven success for over ten years. If not convinced that it is the best harness you ever laid eyes on, send it back at my expense.

**Three Times Stronger Than Buckle Harness**  
Buckles weaken and tear straps. Walsh 1 1/2-inch breeching strap holds over 1100 lbs. The same strap with buckles will break at the buckle at about 350 lbs. pull. Ordinary harness has 68 buckles. Walsh Harness has no buckles. Easy to see why Walsh is three times stronger than ordinary harness. Packers' Northern Steer Hide leather—best that can be tanned.

**SAVES REPAIRS—LASTS TWICE AS LONG**  
The Walsh Harness costs less because it saves many a dollar in repairs. Users show average repair cost of only 9 cents per year. No patching, no mending, because no rings to wear straps in two, no buckles to weaken and tear straps. Greatest advance in harness making. Easily adjustable to fit any horse. Write today for new reduced prices.

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Write today for free book, prices, easy terms, 30-day free trial offer, and also how to make money showing Walsh No-Buckle harness to your neighbors.

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15-27



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THE BUSINESS FARMER, Mt. Clemens, Michigan.



## PIONEERING IN MICHIGAN

By IDA JONES



THIS story is a true one, quite exciting as well as very interesting, especially to the writer as I attended school at Wayland, Allegan county, and I had a host of friends and I got along with my school work grand. The year that they put the Grand Rapids and Indiana Railroad through the place there were a number of our friends went north to homestead land.

In the year of 1871, the first of April, I received a letter asking me if I would come up there and teach their school as there had never been any as yet. I got my parents consent to go, and my father went with me. I had to go to the town of Hersey to take the examinations. There was only one train from Reed City to Hersey and it did not give us any too much spare time. After I got my certificate we knew we had no time to waste and we had four long miles to walk to catch the last train out of Reed City and had to make it. I tell you there was some high stepping, we did not stop to count the railroad ties. We just made the train. The train only went as far as Cadillac at that time. It was a mixed train, flat cars loaded with hemlock bark and some with cedar shingles, also some with railroad ties and cedar posts. We had no upholstery seats to sit on. Where we were going to stop was just a crossing and it was nearly dark when we took the train and we did not go very fast as the train ran over a new road. We both were very tired.

I must say I got there before they had the school house completed. Now the buildings were all logs covered with shake roof and it did not take an expert to build any kind of buildings for they were all nearly alike, only some were larger than others. I had to commence my school on a certain day, so the school board got together and decided the next Monday they would have the school house ready, it would be so I could commence the school. I was glad and rather anxious. So Monday morning I rang the school bell, one I had brought with me. They had got the school house just nicely under way. There was no roof on it, had the rough floor down and a few rough benches nailed to the floor and they did not have even the chinking in so after I closed school at night the carpenters would come and work, and also Saturdays, until they finally completed the wonderful building. I had a roll call of twenty-six children, all ages. I had some older than myself but that made no difference. They all obeyed me to the letter. There was a Doctor Gristin, a Swedish man. He went back to the old country and brought back two boatloads of Swedes and Danes.

### Religious Services

I had always been brought up to attend church, also Sunday school, so I talked with the parents about organizing a Sunday school. It was understood by all that the next Sunday we would all meet at the school house and there was a grand turn-out, nearly everyone in the district. Anyone that had any good literature was to bring it, also any hymn books. Now I sent to my home and had a great plenty sent me, also papers and cards for the children and our collection increased each Sunday so we sent for our supplies and the good work went on.

After a short time we had a min-

ister come and speak to us twice a month, so I began to feel I was living in a civilized country once more. I did enjoy the summer very much. I had never been in the wilderness before and in fact never had been away from my home, so you may know what home meant to me. I was there six weeks and went home to celebrate the 4th of July. When I returned I was so glad to greet my happy children for they all met me and wanted me to tell them what I did, also what I saw, while I was away, so that was my last visit home until the term of school was out. On the last day of school I had prepared a program and invited the parents there to visit us. I was so proud of those dear children. I have never forgotten, although it has been fifty-five years ago.

The small village where I taught the first school, also organized the first Sunday school, was called Tustin. There was one store and post office combined. After a time one of the Swedish men started a small store to supply their class of people. How hungry that new country made everyone. Potatoes were so good with only a little salt on them. Of course, everyone was as good as another, so friendly they did not seem to have any thought of selfishness or jealousy. We all had a good time. We had dances and sometimes barn raisings, logging bees, quilting bees and we all went and had a grand good time.

### Marriage

As my school closed I returned to my home, I received many good letters from many of my scholars, also from one of my gentlemen friends. After a time he came to see me and in the year of 1873, the 11th of May, there was a great commotion at my childhood home. I wondered why when my dear father took me by the hand and gave me to another. I tell you it meant something. I did not think of it then as I do today, as I was about to leave a good home and the best of parents and the youngest cried as if her little heart would break. "I don't want that big man to take my dear sister away where I can't see her."

After the ceremony was performed we took our departure for the north. We went as far as Big Rapids where we spent our honeymoon with friends, and had a fine time. After a time we went north to Tustin as he had homesteaded eighty acres of the great wilderness. He had lived there for two summers previous to our marriage. Now there were not much of any roads. We went to our home light hearted, little realizing the hardships of a pioneer life.

He had a log cabin and it did look queer to me. The floor was rough boards, the table was one he made of rough boards, also the cupboard was the same. The casing was all rough boards. We bought chairs, two bedsteads, also some bedding and our provisions to last a time.

Had to get our lumber all from Big Rapids and draw it in by oxen. Horses were very scarce at that time. I had one of those old elevated oven stoves. It was a hard cooker but I could bake our brown bread and army beans and anything that the good man provided, and was happy to do so. We both went to work getting in our crops. I think he had about five acres cleared.

We had some happy days with our  
(Continued on Page 22)

### WATCH FOR THE NEW STORY

AMONG the most popular short serials we have ever published were "Forty Years of Faking," and "How Bill Bucked the Tiger."

Now we have arranged to begin in our next issue another story along the same line. This story is "Millbank Brings Back Its Bacon," and it sure is a "humdinger" with action all the way through it. It might happen in any Michigan neighborhood. Thieves were active in Millbank township, stealing hogs, chickens, and almost everything, until the farmers banded together into a protective association and started a campaign against them. The story deals with how the protective association and a wide awake youngster who had been bitten by the detective "bug" break up the gang.—Editor.





lives and farms in the South. He is happy, because he is prosperous. He is prosperous, because he can work out of doors 52 weeks in the year—raising crop after crop on the same piece of land, and selling his crops as fast as he raises them, at prices that give him good profit.

Genial climate; cheap labor; productive soil that produces fine crops of all kinds—all combine to make him happy and prosperous in the fruits of his labor.

And right now land can be bought at low prices, which will keep going higher and higher as the Agricultural South develops.

You farmers in the North who are not so happy and prosperous, let us know what kind of farming you want to do, and we will tell you where and how you can do it in the



South. (We cannot, however, undertake to find salaried employment for you.) Full information, free, on request. Write G. A. Park, Gen. Imm. & Ind. Agt., L. & N. Railroad, Dept. MB-10 Louisville, Ky.



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## FRUIT and ORCHARD

Edited by HERBERT NAFZIGER  
(Mr. Nafziger will be pleased to answer your questions regarding the fruit and orchard. There is no charge for this service if your subscription is paid in advance and you will receive a personal letter by early mail.)

### GRAPE VINES AND FRUIT TREES

I put down some fruit trees four years ago. Some of them have done very well, some died. Now there is one pear tree that has neither died nor grown. It is in quite heavy soil.



Herbert Nafziger

Also, do you think a mulberry tree will thrive in this section? We have one but every year the main stalk dies and there are five or six new ones spring up, then we cut away the smallest ones, leaving the sturdiest. The next year it is the same thing over. What would you advise in this case. What about poultry manure for grape vines, is it all right or do you think it is too strong?—G. A. T., Washington, Michigan.

THE advisability of using poultry manure for your grape vines will depend entirely on the condition of the vines. If the vines are not making an excessive growth then you will be safe in using the poultry manure. Apply it during the winter or early in the spring, spreading it broadcast between the rows. Repeated experiments have shown that the average vineyard is greatly benefited by applications of nitrogen. Poultry manure should therefore be just the thing as this material is very high in nitrogen.

To get the best results with young trees they should be fertilized and cultivated. During the winter give your pear tree a good application of manure and early in the spring work up the ground around it, keeping it thoroughly cultivated or hoed until midsummer.

It is possible that your mulberry tree is a tender variety which cannot stand the winters. No doubt, one of the large nurseries could furnish you with a hardy tree. The New American is said to be a hardy black variety.

### CANE-BLIGHT

I would like to know if there is any remedy for my red raspberry bushes. They die off as soon as I start picking, and some of them before. The new growth looks good although there are little brown spots on the bark. Will spraying do any good? What would I spray with and when?—J. K., Rudyard, Mich.

YOUR Cuthberts are probably suffering from cane-blight. The remedy is to cut out and burn all old and dead canes soon after harvest and in the spring go over

### MICHIGAN GRAPES BRING PREMIUM OVER NEW YORK

THE superior grape pack in Michigan last year netted Van Buren county fruit growers \$3 a ton more for their grapes than New York producers received, according to County Farm Agent William F. Johnston.

The higher return obtained by Michigan growers caused a delegation of New York shippers to go to Paw Paw for a conference recently. The visitors were greatly interested in Michigan's grape grading law.

the patch again and cut out all dead canes. Wild raspberries and blackberries are apt to carry the disease and should be kept cut down or grubbed if there are any near your Cuthberts.

### STEALING A MARCH

THE Pacific Northwest Boxed Apples, Inc., is a new association which intends to put on an intensive and sustained campaign to advertise boxed apples. According to press reports this organization intends to spend \$400,000 per year.



## Professor Fred C. Sears favors consistent orchard fertilization

SAYS Professor Fred C. Sears in "Progressive Orcharding":

"Usually the man succeeds in proportion as he fertilizes. The man who fertilizes year after year, whether he has a crop of fruit on his trees or not, is the man who usually has a crop."

That's why it's easy to tell, almost at a glance, whether or not an orchard has been consistently fertilized. The condition of the trees tells the story.

A generous supply of quickly available nitrogen in the form of Arcadian Sulphate of Ammonia is needed before blossom time to increase the amount of fruit set, enable the tree to carry a full crop of well-sized fruit to maturity and promote fruit bud formation for next year's crop.

A dime or a quarter spent each year for Arcadian Sulphate of Ammonia on each tree for a period of five years is bound to show a handsome profit. Consistent fertilization pays.

Results prove the availability of the nitrogen in

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Please send me sample package of Arcadian Sulphate of Ammonia. I am especially interested in .....  
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Crush ear corn (with or without husks) and grind all kinds of small grain. Have conical-shaped grinders. Different from all others. Handiest to operate and Lightest Running (Our circular tells why)  
Ten sizes, 2 to 25-horsepower  
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## Ceresota Flour



### Real Economy in Baking

A farmer's wife says, "CERESOTA seems to go farther than other brands of flour and this is an item in our large family."

Ceresota is uniform and dependable. The ideal bread and pastry flour. Order a sack from your grocer. It's real baking economy to use Ceresota Flour—Pure, Wholesome and Not Bleached.

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Painting Book for the Kiddies—10c  
Big, beautiful 8x8—48 pages—12 magnificent  
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Sent postage prepaid.  
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Here is my 10c for your beautiful painting book,  
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Motto: DO YOUR BEST  
Colors: BLUE AND GOLD

#### THE CHILDREN'S HOUR CLUB

Motto: Do Your Best  
Colors: Blue and Gold

As a member of The Children's Hour Club I pledge myself:

- To live a Christian life and keep the Ten Commandments.
- To do my best in everything I do.
- To be true to my country, the United States of America.
- To do at least one good deed each day.
- To assist the less fortunate than I.
- To be considerate of others.
- To be kind to people and to animals.
- To become educated.
- To always conduct myself in a way that is becoming to a lady or gentleman.

DEAR girls and boys: Hear ye! Hear ye! A new club for the girl and boy readers of M. B. F. is about to be formed. Let every one give their most careful attention. You will remember that one of our readers recently suggested a club with officers, and everything, and since then many have written to me endorsing the idea. So today we are going to form it.

First we must consider the name of our club, and I want to suggest that The Children's Hour, the name of our department in the M. B. F., be used. So if you have no objections that will be the name of our club. Also we will adopt the motto and colors of the department. I can not think of a better motto than "Do Your Best. Further, the button we have will be considered the official badge of our new club, which means that every one of you who has a button is already a member of this club.

Now for the membership of our club. All of you are entitled to join but you must take the pledge which I am publishing on Our Page and you must live up to this pledge to the best of your ability if you wish to be considered a member in good standing. Take this pledge, then write me a letter advising that you have done so and desire a button to show that you are a member. Enclose two cents, a postage stamp will be all right, as an initiation fee. You know that when men join lodges or clubs they must take an initiation and they pay a fee before taking it. I have heard jokes about taking an initiation by mail, but I do not know how it could be done, so we will just have the fee of two cents and when you send that in you can consider yourself initiated. Then I will enter your name in our membership book and send you a button.

Next we will consider officers for our new club. If we get nominations and then vote on them it will take considerable time so I have decided to offer some names for your consideration. For president I offer Mildred Darby, of R. 3, Standish, and Helen B. Kinnison, of Star Route, Kalkaska, as candidates, because most of you know of them. For vice president I offer Thomas McCarthy, R. 7, Bad Axe, and Marie Suderman, Box 32, Comius, as candidates. As the secretary must keep a record of the membership and the treasurer the money it is probably best to have one person fill both offices. Also as I need all the information at my office I am offering myself as a candidate for secretary and treasurer, because it would mean a lot of extra work for someone else.

As we desire to get the officers elected as soon as possible I want all you to write in voting for your choice. I have given the names above as candidates but if you wish to vote for someone else just write their name in your letter as well as the office which you wish to have them hold. I am publishing a ballot on this page which you can fill out and send in if you wish, or if you keep all of the papers and do not wish to cut up the page you can ad-

vised by letter. The persons getting the most votes between now and March 12th will be considered elected to serve until February 1st, 1928, at which time new officers will be elected.

One or two have mentioned our having dues to be paid once a year. Perhaps it would be alright but I am not so much in favor of it. I would rather have the initiation fee the only cost with everyone a life member. An active member until 18 years old and an honorary member after that, with the privilege of writing in at any time. What is your idea about it?

So much for the State organization. Now we will consider small local clubs that can be formed. Where there are several children in a neighborhood interested in The Children's Hour a local club can be formed with officers elected from among the members, just like the Statewide club. Meetings can be held at regular intervals, once a month or oftener if desired, and with a lunch and games a very interesting time can be had. Perhaps you can adopt some of the ideas of the club your folks belong to. Then after each meeting it should be the duty of the secretary to report about the meeting to me so that I could keep a record of all meetings and tell about them in our department. Some times there might be visitors from other clubs who could tell you about what they are doing.

You might also form such clubs in your schools, and have contests of various kinds. Story writing contests, drawing contests, as well as many other kinds, and the prize winning story, drawing, poem, or essay sent in for publication. Your teacher no doubt will welcome such a suggestion and help you all she or he can. And of course I will be happy to help you in every way possible.

Now I hope you will do all you can to make our club a big success. Remember your criticisms and suggestions are always welcome and given most careful consideration. Drawings, pictures, stories, and poems by our readers are gladly received for publishing on Our Page. Let's make Our Page better in 1927 than it ever has been in the past.  
—UNCLE NED.

#### GUARANTEED

A man who was greatly troubled with rheumatism bought some red flannel underwear, which was guaranteed in every respect and a couple of weeks later returned to the store where he made his purchase. "These flannels are not what you claimed them to be," he said to the clerk.

"What is the trouble with them?" asked the clerk. "Have they faded or shrunk?" "Faded! Shrunk!" cried the purchaser indignantly. "Why when I came down to breakfast this morning my wife asked me, 'What are you wearing the baby's coral necklace for?'" —Delores Lenz, Box 304, Hubbell, Michigan.

#### BALLOT

I, the undersigned, of my own free will, do hereby cast my vote for officers of The Children's Hour Club, to serve to February 1, 1928, as follows (make an x in square before name of candidate you vote for)

##### PRESIDENT

- ☐ Mildred Darby
- ☐ Helen B. Kinnison

##### VICE PRESIDENT

- ☐ Thomas McCarthy
- ☐ Marie Suderman

##### SECRETARY-TREASURER

- ☐ Uncle Ned

Signed:

Name .....

Address .....

"Not a Kick in Million a Feet"



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**MULE-HIDE**  
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So good that only the best  
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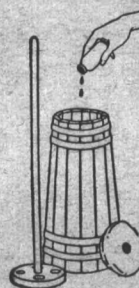
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### Butter Must Look Good--- Be Appetising

"Dandelion Butter Color" gives Winter  
Butter that Golden  
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Just add one-half tea-  
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**Spasmodic Croup**  
Quickly  
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Often with one  
application. Just  
rub Vicks over  
throat and chest

**VICKS**  
VAPORUB  
21 MILLIARS USED YEARLY



## Solons War on Lobbists and Chicken Thieves

(Continued from Page 3)

Another bill to aid the farmer to protect his property rights is the measure introduced by Senator Norman B. Horton of Fruit Ridge which would require hunters and campers to obtain the "written" permission of the owner or tenant before entering upon enclosed or improved land. This bill provides stiff penalties for those violating its provisions and would empower the farmer or his agent to arrest without warrant any person found violating the proposed statute and immediately to take the offender before the Justice of Peace for trial.

### Tax Bills Hang in Balance

Several tax measures of considerable interest to Michigan farmers are receiving the attention of the lawmakers, although none of them have as yet come to a final vote. The proposed constitutional amendment sponsored by Rep. Wilber B. Snow of Comstock which, if approved by the Legislature and the voters, would empower the Legislature to revise Michigan's tax laws and to include a state income tax in the new system, has been re-referred to the House Committee on General Taxation upon motion of Rep. Snow.

All sorts of highway finance schemes are being discussed and a dozen or so measures on this subject have already been introduced. Several House leaders are favoring a plan which would meet with a great deal of support from Michigan farmers. In brief the plan is for 4c gas tax, permanent licenses for passenger cars and an annual weight tax for commercial vehicles such as trucks and busses. This legislation is embodied in bills already introduced by Rep. C. J. Town of Onondaga and Rep. Wm. P. Strauch of Vernon. Rural spokesmen are endorsing this program, but are recommending that the annual weight tax on light trucks be considerably reduced as they feel that many of these trucks are used but relatively few days in the year and that they are little, if any, more destructive to the highways than the passenger cars.

Rep. Douglas Black's bill, extending the time for the payment of taxes without penalty from January 10 to February 10, is still being considered by the House Committee on General Taxation, and is said to be meeting with considerable opposition although it has the support of Michigan farm organizations.

### T. B. Sanatorium Puzzles

One of the most knotty problems which is worrying both the Governor and members of the Legislature is regarding what Michigan is to do to provide additional sanatorium facilities for its tuberculosis patients. House leaders are declaring that at this session they are going to do something so that the poor man's child will have at least a fighting chance if afflicted with this dread disease. At present the waiting lists for the State sanatorium at Howell are so long that a person would either die or become seriously afflicted before his chance would come to be admitted to that institution. The more wealthy citizens can afford private sanatoriums and hospitals, but this is totally beyond the reach of the average person.

Two years ago the Legislature realized the need of additional beds for tuberculosis patients and appropriated \$500,000 to build a new State sanatorium. The legislative committee empowered to select the site for this institution reported in favor of a location on State owned land adjoining the University Hospital at Ann Arbor. However, no move has been made to commence construction of the new sanatorium and there is some talk that there is a technical defect in the 1925 law which makes it inoperative. Now a move is on foot to provide funds for rebuilding and enlarging the present inadequate and antiquated sanatorium at Howell.

The distressing feature of much of the debate on this subject is that most of the people discussing it seem to place emphasis upon what the various communities want without giving first consideration to what is best for Michigan's tuberculosis sufferers. The measure on this subject which seems to have the most common sense behind it is a bill just introduced by Rep. James T. Upjohn

of Kalamazoo which would create a commission to have charge of the present tuberculosis sanatorium at Howell and any other state sanatorium which might be constructed in the future. This bill definitely re-appropriates the money appropriated by the Legislature two years ago for the construction of the new sanatorium.

One of the strong talking points of those who favor a sanatorium at Ann Arbor is that it would provide an opportunity for the medical students and nurses to obtain valuable experience in connection with this disease and would make it possible for investigation and research to develop improved methods of curing tuberculosis.

### Plan to Fight Corn Borer

Among the flood of appropriation bills which have been introduced in the Legislature is one of special interest to Michigan farmers. This is Senator Norman B. Horton's bill, providing \$200,000 of state funds for each of the next two years for corn borer control. President Coolidge recently signed the Purnell bill appropriating ten million dollars for this purpose and providing that the Federal Government will match State money five to one. Thus if Michigan appropriates \$200,000 there will be a million dollars of Federal money available to fight the corn borer in this State.

Passage of the McNary-Haugen bill by Congress met with approval on the part of State officials and farm organization leaders at Lansing. Fearing that President Coolidge might veto the bill, various telegrams were sent to the President, urging him to give his approval to the measure. Among these were the following:

Governor Fred W. Green: "While I would not intentionally add to your burdens, I feel that you should know that our agricultural interests feel that the McNary-Haugen Bill should become a law. Inasmuch as other countries have tried similar plans that have worked out successfully, they feel that the plight of the agricultural interests entitles them to this experiment."

Herbert E. Powell, Commissioner of Agriculture: "We urgently request you to sign the McNary-Haugen Bill. We are sure a large percentage of the agriculturists of Michigan believe this measure should be given a fair trial."

C. L. Brody, Secretary-Manager of the Michigan State Farm Bureau: "Michigan State Farm Bureau urgently requests you to sign McNary-Haugen Bill. Measure approved just recently by delegates from nearly all counties of Michigan. Our thousands of members will greatly appreciate your favorable consideration."

### BANQUET MICHIGAN SWINE BREEDERS

SWINE breeders attending the annual Farmers' Week meetings at M. S. C. joined to pay tribute to those who achieved honors in pork production the past year. Breeders representing the principal breeds of hogs grown in the State, were present. Mr. Every, President of the Michigan Swine Breeders' Association, called on representative breeders to report for each breed. All expressed confidence in the future. Prof. V. A. Freeman of the Animal Husbandry department, M. S. C., distributed the badges, medals and checks awarded to breeders in the ton litter club. Every breeder who produces a ton litter is given a gold medal. Twenty-three ton litters were produced in 1926. Grades and crossbreeds were prominent in the winnings as it appears that purebred breeders have neglected to give the ton litter work the support which it deserves.

The heaviest litter in the State was fed by A. C. Landenberger, Albion, Mich.

### FOREIGN GARDENERS BUY WISCONSIN MACHINE

DURING the last year the Felins Tying Machine Company, of Milwaukee, Wis., has made several shipments of their machine to truck gardeners in Europe. The last shipment of ten went to Germany last week. England and Denmark have been leading customers.

Always look  
for the  
**RED STRAND**  
(top wire)

**Thousands of farmers  
tell how good fences  
pay for themselves by  
the waste they save**

**1** Taber, Springville, Ia., in a fenced field had 70 bushels of corn per acre, hogged it down and got \$1 per bushel. In an unfenced field had only 50 bushels per acre and sold it for 50 cents per bushel. Good fence made him \$45 per acre extra profit.

**2** Lauby, Savageton, Wyo., saves \$1500 a year in herding expenses with 13 miles of woven wire fencing on his sheep ranch.

**3** Laird, Mason City, Iowa, makes \$6 more per acre rent on a stock-share basis with good fence.

**4** Hiner, Reed Point, Mich., paid for stock tight fence in 2 years by saving herders' wages.

**5** Oathout, Ethan, S. D., says well fenced farms sell for at least 25% more than the same farms poorly fenced.

**6** Schultz, Russell, N. D., made worn out land bring 28 bushels of wheat per acre and turned off \$2,600 worth of mutton, wool and hogs in one year with \$800 worth of fencing.

**7** Kennedy, Hunter, Okla., says: "Cleanings from 100 acres of stubble will produce 1000 pounds of pork."

**8** Taylor, Eaton, Tenn., turned pigs into a fenced-in wood lot and made them outweigh his neighbor's pigs 90 pounds each at killing time. Good fencing paid for his farm.

**9** Luscombe, Fairmont, Minn., hogged down and saved \$420 worth of blown down corn last year in a hog-tight field.

**10** Pinkney, Fairmont, N. D., cut his corn feed from 11 to 8½ bushels per 100 pounds of pork with hog-tight fence.

**11** Simpson, Eden, Texas, with good fence, made \$3,100 in one year on sheep and goats.

**12** Wyrock, Lewistown, Mont., summer fallows grain fields every third year and makes more than \$1000 net returns on tight fence.

**13** Richards, Fairbank, Ia., with tight fence, made \$40 per acre extra profit on hogs and lambs.

**WE** have thousands of letters on file from good farmers telling how they hog down corn, save fallen grain, green feed and missed corn, rotate crops, etc. and make extra profits with hog-tight fence.

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# WHEN GRANDMA HEARD THE PRESIDENT

By Anne Campbell

When Grandma heard the president upon the radio,  
You should have seen her dear old face  
with eagerness aglow!  
That it was he himself who spoke, she  
scarce believed was true;  
Then softly she exclaimed to us, before  
his speech was through,  
"And I heard Lincoln, too!"

For Grandma is so old, so old, the weight  
of all her years  
Comes clutched at the hearts of us and  
fills our eyes with tears.  
In Springfield, Illinois, when she was just  
a child of ten,  
She saw him high above the crowd.  
His voice rang clearly then,  
This sovereign of men.

When Grandma heard the President upon  
the radio,  
"I thrilled when Lincoln spoke," she said,  
"so long, so long ago."  
As upright and as fine a man as ever  
wore a shoe.  
But honest men live nowadays, indeed,  
indeed, they do!  
Our President is, too!"

(Copyright, 1927.)

# WINTER MEALS NEED WHAT APPLES CAN ADD

APPLES are a stand-by to the housewife who has a hard time getting enough fresh fruit to go with winter meals. The good quality fruit this year make them doubly helpful in planning appetizing and healthful meals.

Raw red apples are good as breakfast fruit or to eat out of hand in the middle of the morning or afternoon. They are easy to pack in the school lunch box and should be in it often. They are good also as dessert for lunch or supper when served with molasses or sugar cookies.

Raw apples are more useful in salads than most other fruits for they add crispness and combine well with other ingredients. Apple cups made by cutting a slice off the top of the apples and scooping out the pulp leaving a shell one-fourth of an inch thick, make attractive containers for meat or fruit salads. The pulp may be chopped and used in the salad or may be cooked for sauce. Salads made with diced apples, and cold cooked veal or pork and celery cut in small pieces are delicious when mixed with mayonnaise or boiled dressing.

## Combinations to Try

Apples, oranges, and onion make a salad combination worth trying, and the addition of chopped peanuts makes it even better. Diced apples, grated raw carrots, and raisins make another good salad. Apple, celery, and nut salad is well known as Waldorf salad. Pineapple, celery, and apples go well together. Sliced apples and dates; diced apples, oranges and marshmallows; apples bananas, and figs or dates, are combinations which are favorites also. Any of these salads may be served with mayonnaise or boiled dressing on lettuce, water cress, or shredded cabbage leaves.

# CAN PREVENT DAMAGE FROM CLOTHES MOTH

FINE silks, valuable furs, and expensive woollens, stored in dark, out-of-the-way places are constantly in danger of being either partially or totally ruined by clothes moths.

One of the best preventive measures, in regard to clothes moths, is to thoroughly brush on both sides all susceptible materials, then to sun them for two hours, before storing for the summer.

The method of storing uninfested, susceptible articles for the summer is important. Boxes or bags lined with fresh tar paper, or tight fitting wooden or cardboard boxes, make safe storage places. Of all the materials used to repel clothes moths from goods in storage, naphthalene is undoubtedly the best and cheapest, whether used in the form of balls or as flakes. Cedar chests and fresh cedar shavings are not wholly effective against the pest.

Infested articles can be easily and cheaply fumigated in boxes, trunks, or chests. The procedure is as follows: Pack the infested materials loosely in to a box or chest and upon the top of them place a shallow dish containing about an ounce of carbon bisulphid. Immediately close the box or chest and seal tightly. The carbon bisulphid produces a gas that settles down into the clothing, kill-



Edited by MRS. ANNIE TAYLOR

**DEAR FOLKS:** One of the current magazines states that the X-ray is now being used to detect faking in antique furniture and painting. A new idea to me and science will no doubt disclose many more secrets to us in the coming years, but friends as well as furniture are sometimes misjudged because we fail to see "beneath the surface."

Sometimes we over estimate their value because of money or social standing. Even an attractive personality may sorely deceive us, but how many times do we pass hasty judgment, drop an unkind remark or even miss the opportunity of cultivating a rare friend because we cannot look beyond the odd dress, quaint manners or even crusty exterior.

Just so far as we develop the faculty of looking "beneath the surface" we will enrich our friendships and amid the disappointment of finding only "veneer" where we expected real friendship.

*Your Friend,  
Mrs. Annie Taylor*

Address letters: Mrs. Annie Taylor, care The Business Farmer, Mt. Clemens, Michigan.

ing all stages of the clothes moth. No fire should be in the building in which the fumigating takes place as the gas produced is highly explosive. All fumigating should be done in summer time, when the temperature is never below 65 degrees.

Most of the so-called home remedies for clothes moths are worthless. And the ineffective ones are dusts of allspice, angelica root, black pepper, borax, cayenne pepper, eucalyptus leaves, hellebore, lime, quassia chips, salt, sodium bicarbonate, sodium carbonate, sulphur and tobacco. Formaldehyde, as a spray or fumigant, is also entirely satisfactory.

In building dwelling houses, if a small window is put in each clothes closet and storage space in the attic, much of the moth trouble would be over, for moths do not work or breed in the presence of light.—A. L. Ford.

# OVER-SIZE POTS HINDER HOUSE PLANTS

SOIL conditions become bad for house plants if the pot is too large, floriculturists insist. The soil becomes sour, the pot holds too much water, and the roots do not get the required amount of air. Plants may be given larger pots as they grew, but each shift should be to a pot one inch larger in diameter up to 8 inches, and beyond that, 2 inches in diameter.

Pots are made porous for the movement of air and water; keep them so by scrubbing them before filling them soil. The hole in the bottom is to allow the free water to pass from the pot. Never cork it up, floriculturists caution, but place three or four pieces of broken flower pot over it to keep the soil from closing it.

Allow enough space between the top of the soil and the top of the pot to keep the water from running over the top to the floor. Take the plants from the pot and look at the roots if you suspect them of being too dry, too wet, or infested with insects. Plants are easily removed from pots by placing the forefinger and second finger of the right hand about the plant and inverting the pot. If the pot is jarred against a table the ball of soil and roots will loosen itself from the pot and rest in the palm of the hand.

Only a few insects and almost no diseases are troublesome to house plants. Nicotine extract is one of

the most useful poisons to keep on hand. It may be bought at seed or drug stores. It is best to use soap as a spreader, at the rate of a tablespoon to a gallon.

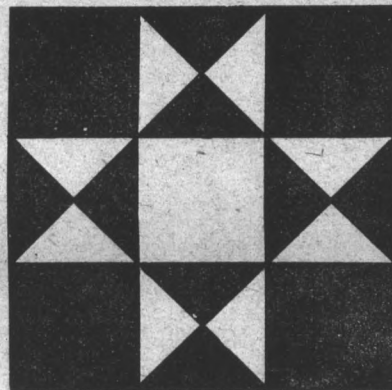
# Personal Column

**Not Very Old.**—Will you please send me the words to the two following songs: "I'm Forever Blowing Bubbles," and "Don't Bite The Hand That's Feeding You."—Miss P., Fenton, Mich.

**Wants Two.**—I would like to see "The Three Wishes" and "In the Baggage Coach Ahead" in your columns.—F. C., Wyman, Mich.

**Helps and Wants Help.**—I am very glad to supply the song wanted by Mrs. B. of Jackson. Now can anyone tell me where I can obtain, with music, the song entitled "Saved To Serve Jesus."—Mrs. P., Carson City, Mich.

**8 Point Star.**—In the last issue I published a pattern for the necktie quilt block many have written me about and in this issue I am publishing another popular design—the 8 point star. I have a worked block of each design and will be pleased to loan them to any who do not fully understand how to cut a pattern from the illustrations shown. Requests will be



8 POINT STAR

taken care of in the order I receive them, and the blocks are to be returned to me just as soon as you are able to cut your patterns. I will be pleased to receive favorite quilt block patterns from our good folks and will publish them in our columns from time to time.—Mrs. Annie Taylor.

**Wants Two Songs.**—I would be very glad to get the words of "Two Little Girls in Blue" and "Paradise Allie."—Miss B., Howard City.

# February Flower Work

NOW is a good time to plan your flower beds or borders. A few peonies and iris here and there in clumps or in a border makes your place look much nicer. They should be set out in the fall to show up best the first year but will do well set out early in the spring and will flower some the first year if they do well and you will have a much larger clump for another year if you set them out this spring than if you wait until fall.

I know of no plant that gives the beautiful blossoms with so little care as the bearded iris will. A border of one row set about fifteen inches apart in the row will in one year's time make a beautiful border. I

like the tall ones or those that grow about thirty inches high best for a border with all kinds mixed in the row. Send to some growers for their price lists. They sometimes give the height of the plant in the list. They are in prices from 10 cents up. The latter kinds are scarce so are high in price.

To keep chickens from scratching out your plants get a piece of board and split it up in short stakes. Drive these in the ground only leaving about four or five inches above ground and three or four stakes to the plant will keep chickens out much better than taller stakes. When the plants get up they will hide the stakes.—A. W. Locke.

**An Old Song.**—I would like to get "Will You Love Me When I'm Old."—F. D., Portland, Mich.

**Another Old Song.**—I would like to get a copy of a song I have heard but do not remember. It is "In The Baggage Coach Ahead." I would be very thankful if THE BUSINESS FARMER could send it to me or publish it.—Miss H. B., Big Rapids, Michigan.

# Favorite Songs

## MOTHER'S SONGS

1.  
Mother's voice is low and sweet,  
As she rocks her babe to sleep;  
Twilight shadows creep along,  
While she sings her cradle song;  
And now we hear,—  
Hush my dear lie still and slumber;  
Holy angels guard thy bed.

2.  
Now the child older grown,  
Quite a boy he walks alone;  
But the loving mother keeps  
Watch o'er him e'en while he sleeps;  
And now we hear,—  
How gentle God's commands;  
How kind His precepts are;  
Come cast your burdens on the Lord  
And trust Him constant care.

3.  
See her boy in manhood stand,  
Fighting for his native land;  
Over all this broad domain  
Shall the stars and stripes remain,  
And now we hear,—  
My country 'tis of thee,  
Sweet land of liberty  
Of thee I sing;  
Land where my fathers died  
Land of the pilgrim's pride,  
From every mountain side,  
Let freedom ring.

4.  
Peaceful glides her life along;  
As she sings her evening song;  
While her loved one's gather near,  
Hark to mother's tones so dear,  
And now we hear,—  
(Home, home, sweet, sweet, home,  
Be it ever so humble, there's no place like home.) Repeat.

# For the Movie Fan

**Flaming Forest.**—This picture will surely thrill you. It is taken from the story of the same name, written by James Oliver Curwood, Michigan's famous author, and the background is the Canadian northwest in the days between 1869 and 1874. Renee Adoree and Antonio Moreno are the stars. At the beginning of the story there is no law or order in the northwest and a ferocious halfbreed, Jules Lagarre, try to rule the country with the aid of his gang of cutthroats. Andre Audemard, wilderness merchant, will not submit to Lagarre's rule and he and his wife are killed, leaving a daughter, Jeanne Marie, played by Renee Adoree, and a son. Lagarre forces the settlers to move out and as they are heading eastward they meet a company of mounted police, coming to the northwest to establish the law. They return to their homes and Lagarre's gang scatters to the four winds to later return and try to wipe out the settlement. Of course they are not successful. Davidd Carrigan, played by Antonio Moreno, is a sergeant in the Northwestern Mounted, and he falls in love with Jeanne Marie, who returns his love. You will enjoy this picture, I am sure.

# —if you are well bred!

**The Young Girl and the Young Man Who Calls on Her.**—A young girl's invitation to call, extended to a young man, may be modified in a hundred different ways, in view of the flexibility of the English language and the varying inflections of the speaking voice. She may tell a mutual friend to bring him to an "at home" when she is to receive with her mother—and her tone of voice will make it clear that she is quite indifferent as to whether he puts in an appearance or not. She may mention that she is apt to be at home several evenings during the week, leaving him free to call at the risk of finding her out; yet subtly intimating that he will probably find her in. When she fixes a definite time, such as "any Tuesday afternoon" or "Wednesday and Friday evenings", and tells him she will be glad to see him then, there can be no doubt regarding the cordiality of her invitation. But whether his call be welcome or not, it is only civil on a girl's part to say she is glad to see a young man when she enters the room. Her manner and a definite invitation to call again, however (if it be his first call), are the safest indications that she really means what she says.

# Recipes

**Bangor Brownies.**—¼ cup fat, 1 cup sorghum, 1 egg, 3 squares unsweetened chocolate, 1 cup flour (half rye and half barley), 1 cup nuts. To the melted chocolate, add fat, sorghum, flour and nuts. Lastly add the well beaten egg. Spread evenly in a greased pan and bake in a moderate oven. When done cut in strips.



**Apple Snow.**—Beat the whites of 2 eggs until stiff, but not dry, then add  $\frac{1}{4}$  c. sweetened, thick apple sauce. Continue to beat until the mixture holds its shape. Chill and serve with soft custard or cream. A bit of jelly placed on each serving adds to the appearance of this dish. In place of the apple sauce, grated raw apples may be used and  $\frac{1}{2}$  c. of sugar added to the apples.

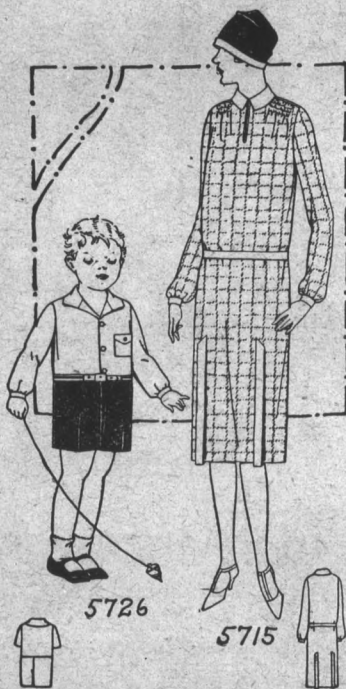
**Waldorf Salad.**— $1\frac{1}{2}$  c. diced apples; 1 c. celery, sliced; 1 c. English walnuts, broken; mayonnaise. Combine the ingredients and use just enough mayonnaise dressing to moisten the salad. Serve on crisp lettuce. Raisins, or dates cut in pieces, may be substituted for the nuts.

### The Runner's Bible

Peace I leave with you, my peace I give unto you: not as the world giveth, give I unto you. Let not your heart be troubled, neither let it be afraid.—John 14:27.

### AIDS TO GOOD DRESSING

(Be Sure to State Size)



**5726. Boys' Suit.**—Cut in 4 Sizes: 2, 3, 4 and 5 years. A 4 year size requires 1 yard for the Blouse, and  $\frac{1}{2}$  yard for the Trousers, of 36 inch material. If the Blouse is made with short sleeves  $\frac{1}{2}$  yard less of 36 inch material is required.

**5715. Ladies' Dress.**—Cut in 6 Sizes: 34, 36, 38, 40, 42 and 44 inches bust measure. A 38 inch size requires 3  $\frac{1}{2}$  yards of 40 inch material together with  $\frac{1}{4}$  yard of contrasting material. The width of the dress at the foot is 1  $\frac{1}{2}$  yard.



**5717. Misses' Dress.**—Cut in 3 Sizes: 16, 18 and 20 years. A 18 year size requires 4 yards of 40 inch material, with  $\frac{1}{4}$  yard of contrasting material. The width of the dress at the lower edge is 1  $\frac{1}{2}$  yard with plaits extended.

**5727. Child's Coat.**—Cut in 5 Sizes: 2, 3, 4, 5 and 6 years. A 4 year size requires 1  $\frac{1}{2}$  yard of 40 inch material. To trim collar and cuffs with fur banding, will require 1  $\frac{1}{2}$  yard.

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Thousands of mothers tell us they would not be without *Children's Musterole*, the new, milder form of good old Musterole especially prepared for babies and small children.

At night, when awakened by the warning, croupy cough, rub the clean, white ointment gently over the child's throat and chest.

Children's Musterole, like regular Musterole, penetrates the skin with a warming tingle and goes quickly to the seat of the trouble.

It does not blister like the old-fashioned mustard plaster and it is not messy to apply.

Made from pure oil of mustard, it takes the kink out of stiff necks, makes sore throats well, stops croupy coughs and colds.

The Musterole Co., Cleveland, Ohio



BETTER THAN A MUSTARD PLASTER



## 8,000,000 Cows not earning their feed

THE U. S. Department of Agriculture estimates that there are 8,000,000 cows in the U. S. that are not paying for their feed, and that there are 8,000,000 more that are not earning a profit.

Only those dairymen and farmers who are giving the same attention to the good health of their herd that they do to the feed, are making milking pay.

In other words, it's the dairymen who realize that good health, good appetite, good digestion and proper elimination are the essentials of a good milker that are taking home a milk check with profit in it.

In a recent verified test made, January, 1926, on a herd of high-grade dairy cows—cows that were being fed a well-known prepared dairy feed, together with clover and soy bean hay—

Dr. Hess Improved Stock Tonic was added to this ration, and—

There was a gain on an average of just 9 gallons of milk per cow in 30 days, and an increase in the butter fat of 4/10 of one per cent.

Here is what this test proves: By investing only 5c in Dr. Hess Improved Stock Tonic to the dollar's worth of feed, you can increase your profit \$20.00 per cow per year.

Dr. Hess Improved Stock Tonic improves the appetite. Cows eat with a relish. That's a sure sign of better digestion.

It helps your cow to throw off the waste material, no clogging of the system under the stress of heavy feeding.

It supplies the minerals, calcium carbonate, calcium phosphate and potassium iodide, recently proven to be essential to a cow in milk, and during the period of pregnancy.

Here's our offer to the man with cows: Get of your dealer sufficient Dr. Hess Improved Stock Tonic to last your cows 30 days.

Get 25 pounds for every 5 cows. Feed as directed.

Then if you have not seen a satisfactory increase in the milk flow, better appetite and better condition of your cows, just return the empty containers to your dealer. He will refund the money or cancel the charge.

**Dr. Hess & Clark, Inc., Ashland, Ohio**

## Dr. Hess Stock Tonic Improved

## Macomb Cow Tester Wins Essay Contest

CASPER BLUMER, tester of the Macomb County No. 2 Association, of Richmond, Michigan, was the winner of the first prize in the 1926 essay contest conducted among the Michigan cow testers, according to A. C. Baltzer, in charge of cow testing association work in Michigan. Mr. Blumer receives the award of \$25.00 cash by the Michigan Creamery Owners and Managers Association, and a gold medal from the Blue Valley Creamery Company.

Other winners in this contest among the one hundred Michigan cow testers are the following: Forrest Bender, Middleville, tester of Kent County South Association, second prize of \$20.00 cash by Michigan Creamery Owners and Managers Association and a silver medal by the Blue Valley Creamery Company. Bender won by the toss of a coin because the judges could not decide between his essay and that entered by Walter Kirkpatrick of the Leelanau County Cow Testing Association. Mr. Kirkpatrick was awarded third prize and received \$18.00 cash from the Michigan Creamery Owners and Managers Association and a bronze medal from the Blue Valley Creamery Company.

Glen Bedell, Hudsonville tester in the Ottawa-Allendale Cow Testing Association, Ottawa County, won fourth prize and was awarded \$15.00 cash by the Michigan Creamery Owners and Managers Association. Lyle Anderson, Reed City, tester in the Osceola-Reed City Cow Testing Association won fifth prize and was awarded \$12 cash and Clarence Prentice, Grant, tester in the Wayne County South Cow Testing Association, won sixth prize and received \$10.00 cash. John Goodall, tester of the Missaukee County No. 1 Association and Coe Emens of the Ingham-Lansing Association received honorable mention.

Casper Blumer, the successful contestant, aptly expresses the belief that a cow testing association can never out-grow its usefulness in a dairy community as a progressive dairyman and cow tester never fully reach their goal. Cow testing associations help to elevate dairy standards and profits.

"We did not appreciate that there were so many cow testers in Michigan," commented a dairyman at the conclusion of the Cow Testing Association Conference sponsored by the Dairy Department, Michigan State College. This conference closed Tuesday noon during Farmers' Week and eighty of the Michigan cow testers in lower Michigan were present together with several hundred dairymen, county agricultural agents and others interested in Michigan's dairy industry.

Splendid talks by Mr. A. J. Glover, Editor of Hoard's Dairyman, and Professor O. E. Reed, head of the Dairy Department, Michigan State College, and a round table discussion, were some of the outstanding events in this conference.

An analysis of the association work during the last five years made by A. C. Baltzer showed that many associations dropped by the wayside because testers have been careless in the conduct of the work, or they have failed to take sufficient interest beyond the routine work of testing and feeding help has not been given by the testers at all times. Closer cooperation of the cow tester, the county agricultural agent and the board of directors of the association was urged.

Where a good system of financing the association was used and when a tester rendered complete service to his members in the activities of the dairy herd improvement association or cow testing association, little difficulty has been experienced in the promotion of the cow testing association. "Every tester," said A. C. Baltzer, "should be an advertisement standing for high personal ideals and furnishing his members with dairy information, dairy explanation, and dairy inspiration for larger dairy profits.

Certain definite goals were emphasized in the concluding talk of the conference by A. C. Baltzer that the Dairy Department desires each tester to try to accomplish during 1927. These goals are the following:

1. Each tester is to strive to have

a waiting list of members anxious to join in the testing association.

2. Each tester is to bring the purebred sire situation among the cow testing association members up to one hundred per cent use of purebred sires. At present the rating is ninety per cent of the 2600 members using purebred sires.

3. Sectional meetings will be held during the spring and fall months.

4. Each tester is going to endeavor to have two safety bull pens built among the members of his cow testing association. Plans have been furnished each tester. These may be built as a demonstration or as direct personal work by one or another member. At any rate this is a goal that each tester will try to live up to this coming year.

5. The alfalfa acreage which is .9 acres per cow under test in Michigan cow testing associations will be increased to one acre per cow under test if possible. Likewise the sweet clover acreage is due for enlargement. At present there are .3 acres per cow under test and it is desired to increase this to .5 acres.

6. Each tester will endeavor to make greater use of the Michigan Record of Performance. With 1342 entries in the first volume covering nearly two years' work and with 1050 entries in the second volume covering the year 1926, it may be possible to have a larger number entered during 1927.

7. Each tester will keep further information about the testing association results in a log book furnished him by the Dairy Department, Michigan State College.

### PIONEERING IN MICHIGAN (Continued from Page 16)

hardships. We got a fine cow and a yoke of two year old steers so we had a driving team and I say they would go some. Lots of times I had to hang onto the seat to keep in our sleigh or boat.

After a time we had a barn raising. There was something doing the whole day. Everyone came and helped and we had a big dinner out in the pine grove and everyone did justice to it. There was not any silverware or gold banded china or napkins. We left out the style and we could not have had it then if we wanted it ever so much. We were so thankful to get coarse food.

We only had one room, so he said he would build on another room. He built a lean-to on one side for a bedroom, all logs and the floor was split out of basswood. It was not very even but it was white and clean. Our roof on the house was shakes, also our ceiling was shakes. After a time we had the rough boards wore smooth.

### Plenty of Game

Oh, the wild game there was. The deer and bears, lynx and wolf would come right in the barnyard and tackle the young calves or anything and then howl for the rest of the drove to come and then there would be a time. They came in a barnyard one night and killed a yearling calf and the man shot one of the wolves and he brought it over the next day. He got \$4.00 bounty on the head. Many times I would go out in the evening with my husband when he would go out to brand up the log heaps. We were doing a good stroke of land clearing.

After a time we had two bright faced children given us which we reared and dearly loved. At last we sold the farm and moved away but the memory of those happy days still cling to me. I could relate many more incidents of my pioneer life but I will not weary you with any more, only will say I have been to gatherings where the Allen brothers have been. We all were a happy bunch at that early day.

### WEST ALLEGAN C. T. A. LEADS

THE West Allegan C. T. A., premier organization in Michigan, which averaged 394 pounds butterfat during 1925 has completed another year of testing association work. This year, Leo Ashley, the cow tester, reported that all cows under test averaged 393 pounds butterfat. It is thought that this association will maintain the leadership among all Michigan cow testing Associations in efficiency of butterfat production for another year.

## BREEDERS DIRECTORY

Advertisements inserted under this heading for reputable breeders of Live Stock at special low rates to encourage the growing of pure-breds on the farms of our readers. Our advertising rate is Thirty Cents (30c) per agate line per insertion. Fourteen agate lines to the column inch or \$4.20 per inch, less 2% for cash if sent with order or paid on or before the 15th of month following date of insertion. SEND IN YOUR AD AND WE WILL PUT IT IN TYPE FREE, so you can see how many lines it will fill. Address all letters, BREEDERS DIRECTORY, MICHIGAN BUSINESS FARMER, MT. CLEMENS, MICH.

### CLAIM YOUR SALE DATE

To avoid conflicting dates we will without cost, list the date of any live stock sale in Michigan. If you are considering a sale advise us at once and we will claim the date for you. Address Live Stock Editor, M. B. F., Mt. Clemens.

March 29.—Holsteins, W. R. Harper and Sons, Middleville, Michigan.

### CATTLE

#### GUERNSEYS

#### GUERNSEYS

FARMER'S PRICES FOR BULL CALVES Sired by most popular blood lines. Write for circular. WOODLAND FARMS, Monroe, Mich.

### HOLSTEINS

### HOLSTEINS for Profit

Holsteins are profitable because they lead in milk and butterfat production, calve regularly, adapt themselves quickly to all climates and fit profitably into the farming program.

Write for literature  
Extension Service.

The HOLSTEIN-FRIESIAN  
ASSOCIATION OF AMERICA  
330 East Ohio Street Chicago, Illinois

### FOR SALE

### MY ACCREDITED HERD OF REGISTERED HOLSTEIN CATTLE

### 20 HEAD

On account of going into market gardening business cannot give them proper care so will sell entire herd. My herd is headed by De Cream Co Ormsby De Kol 440267, a son of Sir Hengerveld Pietertje Ormsby 234786, and he is sireing real dairy type calves.

A real producing herd of 19 cows, which averaged in C. T. A. last year, 9587 lbs. milk, 336 lbs. fat at average age of 3 yrs. Also some good A. R. C. records. An almost 20,000-lb. junior 2 year old with 800 lbs. butter, and 4 of her daughters. Also a daughter of a 28-lb. cow, with 2 nearest dams averaging 700 lbs. milk 30 lbs. butter in 7 days. Only 2 cows over 5 years old.

Herd accredited for 5 years. Priced for quick sale. One or all.

WILLIAM GOTTSCHALK, NEW HAVEN, MICHIGAN.

Farm 4 miles southwest of New Haven or 1 mile southeast of Meade. Telephone New Haven 23F3-1.



## VETERINARY DEPARTMENT

Edited by DR. GEO. H. CONN

(Questions gladly answered free for paid-up subscribers. You receive a personal letter.)

### RING WORMS

I have several cattle with large patches of ring worm or some call it barnyard itch, on them. What can I put on to cure it?—H. S., Tuscola County.

**F**OR the skin condition in your cattle use this: Oil of tar, 5½ per cent; sulphur, 5½ per cent; kerosene, 89 per cent. Paint this on each day with a small paint brush. It may take several days to cure it. Tincture of iodine is also good.

### NEEDS EXERCISE

We have a horse that gets sick easily if she does not get exercise daily. She gets a kind of swelling on her left hind leg if she stands still too long. We give her oats and hay with stock tonic in the oats. Can this be cured in any way or will we have to feed her a tonic to keep

### LARGE CALF

**D**EAR EDITOR: In the January 1st issue of The Business Farmer I noticed an account of the weight of calves when born. Last June we had one born that weighed 155 lbs. when six days old. This was a pure bred Brown Swiss calf.—Mrs. Jack Fitzpatrick, Antrim County.

her from getting sick? Some say to feed her eggs, a couple a day, that it would cure her. Is there anything in that?—B. D., Fremont, Mich.

**I**F I had a horse of that kind unless it was extremely valuable I would get rid of it and get another in its place; this is a weakness of the digestive system and the only thing to do is to see that she gets exercise and do not overfeed. This is apt to get serious at any time, and especially during the winter months. There is no cure for this.

### PUP MAY HAVE WORMS

I have a puppy three months old that has what I call running fits. He runs around barking and seems to be frightened and tries to find a place to hide. He has one, two and three fits a day. His eyes look wild at the time and he urinates all the time he is running. His bowels seem to be all right. He is a collie pup. Could you tell me if there is any cure, if so what would you advise?—C. R., Ada, Michigan.

**T**HIS is often caused by worms, so we will worm this pup and see if that is it. Get 18 tablets containing 1-10 grains of sanatorin and calomel and give one of them three times each day until they are all given. Then give two table-spoonsful of castor oil. If that does not stop the fits write me in three weeks. Be careful about the feeding of this dog.

### The Experience Pool

Bring your everyday problems in and get the experience of other farmers. Questions addressed to this department are published here and answered by you, our readers, who are graduates of the School of Hard Knocks and who have their diplomas from the College of Experience. If you don't want our editor's advice or an expert's advice, but just plain, everyday business farmers' advice, send in your question here. If you can answer the other fellow's question, please do so, he may answer one of yours some day! Address Experience Pool, care The Business Farmer, Mt. Clemens, Mich.

### CURE FOR BLOODY MILK

**D**EAR EDITOR: Here is a cure for bloody milk for A. A., Alpena, Michigan, as we have cleared up bloody milk and stringy milk also with skoke root. You get 10c worth of skoke root powdered and give one level teaspoonful in a pint or as much more as you like of bran mash or dry every other morning for three mornings and skip three, give three and skip three for nine mornings and see if it doesn't fix up your cow. Keep giving it until she is cured. I had one once and I cured it with that.—C. A. Cook, Roscommon County, Mich.

# The FEED makes good Or we do!

*Feed two bags under our guarantee*

### More Milk Or It Costs You Nothing

"Feed 200 pounds of Larro to any one cow; then if your own figures do not show that she gave more milk on Larro, or if for any other reason you are not entirely satisfied, return your two empty sacks and unused Larro and get every cent of your money back."

Dealers selling Larro are authorized to carry out the terms of this agreement.

What can be fairer, or more sweeping, than the Larro guarantee—"the feed makes good, or we do"?

You get two bags from your dealer and feed them to one of your cows. If Larro does not produce more milk, or if for any other reason you are not satisfied, return the empty sacks and get your money back.

We stand squarely behind our dealers in making good this guarantee, which has been in effect for fifteen years.

Larro makes good—has always made good, with all dairy breeds, because the quality is there, because the formula never changes and because Larro manufacturing methods insure absolute uniformity whenever and wherever you buy. That is why we dare guarantee it.

Ask the Nearest Dealer

THE LARROWE MILLING COMPANY  
DETROIT MICHIGAN

# Larro

The SAFE Ration for Dairy Cows  
Also a complete line of poultry feeds—as good for your chickens as our dairy feed is for your cows.

(643)

**1 year to pay** after 30-day trial

**American CREAM SEPARATOR**

Brand new models, vastly improved. Unexcelled by any in World for close skimming, easy turning and convenience. Quick cleaning Bowl is Sanitary marvel. Skims warm or cold milk. Makes thick or thin cream perfectly. Seven sizes, from 850 lb. to one-cow size. **PROMPT SHIPMENT FROM POINT NEAR YOU.** Factory prices as low as \$24.95. Easy Monthly Payments low as \$2.20.

**Write for FREE Catalog**

Tells about our sensational money saving offer; our low prices, free servicing and new models. Write for it TODAY.

**American Separator Co.**  
Box 26J, Bainbridge, N. Y., or  
Box 26J, 1929 W. 43rd St., Chicago, Ill.

**Write Your Own Guarantee!**

Put down in black and white what YOU want your Silo to be. Then let that stand as OUR Guarantee of the **COPPER METAL SILO**.

Most Modern, Most Practical Silo, COPPER-IZED Metal throughout. Many exclusive features. Backed by 23 years of Experience and Responsibility. Tell us what size silo you want so we can quote factory-to-you prices. Special discounts on early orders.

**The Thomas & Armstrong Co.**  
Dept. O, London, Ohio, Est. 1904  
Buckeye Breeder Houses, Cane Cakes, Grain Bins

**Look \$5.90 Only**

**For These WONDER Steel Forges**

They soon save their cost on any farm or in any shop. Save expensive blacksmith bills and do repairing at home. Used and endorsed by farmers and mechanics in every state. Positively Guaranteed to be as large, durable and to equal any \$15.00 forge on the market. Order today or send for circular and testimonials.

**WILLARD WILLWELDA**  
A LIFETIME 4 INCH WAGON TIRE  
**C. A. S. FORGE WORKS, Box 418, SARANAC, MICH.**

**SAVE THE HORSE**

Is easy to use, and horse works while being treated. Ends spavin, thornpin, curb, splint, strained tendon, shoe boil, capped hock, high ringbones—money-back guarantee. Successful for more than 34 years.

**FREE** veterinary book, illustrated, successfully used by 500,000 farmers, tells clearly how to diagnose and treat 62 kinds of lameness. Book, sample guaranteed and "vet" advice are all **FREE**. Write today!

**TROY CHEMICAL CO.**  
638 State Street, Binghamton, N. Y.

Druggists sell and guarantee "Save-the-Horse," or we mail it direct. It's **CHEAPEST**, helps horses most and quickest.

**SHORTHORNS**

For Sale, Milk Strain Polled Shorthorns. Bull and heifer calves. One horned bull calf. Accredited herd. Paul Quack, Sault Ste Marie, Michigan.

**HEREFORDS**

HEREFORDS. OLDEST HERD IN THE U. S. Stock of all kinds for sale. Farmers prices. Our herd Bulls International Winners. **ORAPU FARMS, Swartz Creek, Michigan.**

## Hereford Steers

Calves, yearlings and two's. Well marked. Beef type, showing splendid breeding. Dark reds. Most all bunches deboned. Good stocker order. Can show few bunches around 45 to 90 head. Each bunch even in size. Also a few bunches shorthorn steers. Will sell you choice of one car load from any bunch. Write stating number and weight you prefer, 450 lbs. to 800 lbs.

**V. V. BALDWIN, ELDON, IOWA.**

### JERSEYS

Registered Jerseys For Sale. 20 Females Between the ages of three months and ten years. 60 head to select from. Also a few good bulls.

**L. Ruhstorfer & Son, Kawkawlin, Michigan.**

**FOR SALE, REGISTERED YEARLING JERSEY** bull and bull calf. Choice breeding.

**MEADOWVIEW FARM, Farmington, Michigan.**

Two Dark Registered Jersey Heifers, Sire, Jap's Sybil's Modeler 220502. Record of performance dams. Bred to freshen Sept. 11, Oct. 13, to high class bull. Guy Wilbur, Belding, Michigan.

## SWINE

**FOR SALE, LARGE TYPE POLAND CHINA** Hogs, Registered.

**J. A. HUEFF, Kissilee, Michigan.**

**POLAND CHINA FALL PIGS FOR SALE**

**E. A. CLARK, Breckenridge, Mich.**

Big Type Chester White Bred Glits For Early spring farrow. Best blood lines. Reasonable prices.

**Knox Farms, Portland, Michigan.**

## SHEEP

**FOR SALE, 400 YOUNG EWES, FOR** particulars and price, write

**A. F. LONGPRE, Curran, Michigan.**





*I never dread  
the freshening  
period now—*

**WHAT** a relief! [No more troubles at calving! No sick cows from Retained Afterbirth. No losses from Barrenness due to injuries to the genital organs when lowered in vigor. No lay-off with sickness when the milk crop should be at the peak.

If you have been accustomed to leaving the health and vigor of freshening cows to chance, you know something of the troubles you can avoid by simply giving Kow-Kare two to three weeks before and after calving. The best dairymen in the country make it a regular practice—would not think of getting along without it.

Kow-Kare builds up the vigor of the digestion and the genital organs so that the unusual strain of calf-birth becomes a safe, natural process. The cow comes back to generous milk giving; the calf is a money-asset from the start. Used

with unfailing results for over 30 years. A concentrated medicine that costs you nothing to use. The certain milk gain pays for it many times over.

Thousands of dairymen use Kow-Kare sparingly during winter feeding for all their cows. It helps them turn more of their heavy feeds into milk—keeps them responsive, healthy, vigorous. Kow-Kare brings back to health cows troubled with Barrenness, Retained Afterbirth, Abortion, Bunches, Scours, Lost Appetite, etc. Try Kow-Kare once and you will not keep cows without it.

**DAIRY ASSOCIATION CO., Inc., Lyndonville, Vermont**

Makers of Kow-Kare, Bag Balm, Grange Garget Remedy, American Horse Tonic, etc.

# KOW-KARE

**FAMOUS CONDITIONER  
OF MILCH COWS**

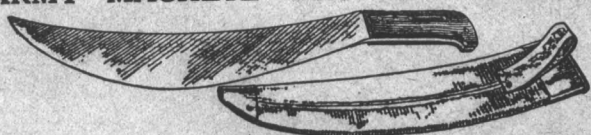
Feed dealers, general stores, druggists have Kow-Kare—\$1.25 and 65c sizes (six large cans, \$6.25). Full directions on can. Mail orders sent postpaid if your dealer is not supplied. Our valuable free book on cow diseases sent free, on request.



**U. S. ARMY MACHETE—Bolo with Leather Scabbard**

**\$1.50**

Postpaid



**ARMY MACHETE**, 15 inch blade with heavy back and sharp edge, 2 1/4 pounds; 5 inch handle, balanced for chopping. Complete with heavy tan scabbard with brass trimmings. Made by COLT'S CO. in U. S. A. Every motorist, camper, scout and farmer should have one. Offered in good order, postpaid for \$1.50 each. Cash with order. Special Circular, 2c.

**Francis Bannerman Sons, 501M Broadway, New York City**

#### ASK US

If you have any questions regarding legal matters that you want answered just write in to the Legal Editor and he will reply by first class mail. Address your letter, **LEGAL EDITOR, THE BUSINESS FARMER, Mt. Clemens, Michigan.**

## RADIO DEPARTMENT

By JAMES W. H. WEIR, R. E.

(Any question regarding radio will be gladly answered by our radio editor. You receive a personal letter and there is no charge if your subscription is paid up.)

The Business Farmer broadcasts daily, except Saturday and Sunday, through station WGHP, of Detroit, on a wave length of 270 meters.

6:40 to 6:50.....Farm School  
7:05.....Markets and News

#### WKAR PROGRAMS GOOD

THE special courses by radio being sent out from the Michigan State College station, WKAR, are excellent, and we hope our readers who own sets are getting them. Their wave length is 285.5 meters.

#### OVER 700 BROADCASTING STATIONS

BROADCASTING stations in the United States are getting altogether too plentiful. With over 700 stations on the air it is no wonder that folks have considerable trouble in getting any distant station. And there are still more applying for licenses.

#### BROADSCOPE FARM NEWS AND VIEWS

(Continued from Page 8)

tato crop. One year to get ready, and one year to go to it.

Should potatoes be hilled up or not? Depends very greatly on how they were planted. If they were planted as deep as they should be they should not require hilling. If, however, they are planted shallow, they will need "hilling up," to prevent sun burning and perhaps getting "nipped" by the frost in the fall. But commercial growers are quite agreed that hilling is antediluvian, and level cultivation is best.

When should they be planted? Plant early ones as soon as the ground is in suitable condition. Seldom is anything gained by planting too early, and often the "too" early planting is more or less a failure. Plant the late ones late. Some years mid-season planting is a success, but later planting has won out more times than it has lost.

Killing potato bugs is something we are not very familiar with. During our 22 years of commercial potato growing we have never been troubled with bugs on our main crop field. Never used anything to prevent their coming. If, however, they should invade our peaceful domain, we are ready for them. We would not use paris green and lime as a dust. We would use arsenate of lead or paris green as a spray.

#### From Omena

From Omena a Mr. W. K. writes, "Will you please tell me if it is better to plant potatoes with a horse potato planter or by hand. Also is it best to fertilize them?"

No commercial grower can afford to plant potatoes by hand. It is too slow a job. On reasonably small areas it can be done, and, there is no reason why hand planting, if properly done, is not as good as power planting, but seldom is hand planting properly done. A power planter opens a furrow, and deposits the seed down in the bottom of it, and covers it immediately with the cool, moist soil. If the same thing can be accomplished with a hand planter, it is not objectionable. Generally speaking, it is best to fertilize them. No one at long range can tell you exactly what fertilizer would be most suitable for your field. It is, however, safe to say that application of 3 per nitrogen, 12 per cent acid phosphate, and 4 per cent potash fertilizer, will be profitable nine times out of ten. The amount used should not be less than 300 pounds per acre, and as much more as conditions seem to warrant. What conditions? Why the fertility of the soil, humus content, and your checking account!

I have taken the M. B. F. for five years. I like the paper very much. It is the best paper I have ever had. Please notify me when my subscription has run out.—Blase Luks, Gladwin County.

## Choked All Night From Asthma

Every Sign of the Trouble Gone.  
Tells How She Got Well.

Readers who suffer from asthma and bronchial trouble will be glad to learn how Mrs. W. G. Pierson, Route 1, Colby, Kas., conquered her trouble. Mrs. Pierson writes:

"For 16 years, I had asthma in severe form. I couldn't sleep, and rarely tried to go to bed before 1:30 in the morning. I kept getting more weak and nervous, and had a terrible cough and severe pains. I was in Akron, Colorado, when I started taking Nacor in February, 1925. Early in March I felt so much better I returned to Missouri. It used to be that one night in Missouri would make me choke terribly, but I don't have a sign of asthma now. I sleep all night, get up feeling rested, have gained about 10 pounds in weight, and do my work without dreading it or getting tired. Even in damp rainy weather, I have no asthma."

Hundreds of other sufferers from bronchitis and severe chronic coughs have reported their recovery, after years of affliction. Their letters and a booklet full of valuable information about these stubborn diseases, will be sent free by Nacor Medicine Co., 590 State Life Bldg., Indianapolis, Ind. No matter how serious your case seems, write for this free booklet today. It may give you whole life a new meaning.—(Adv.)

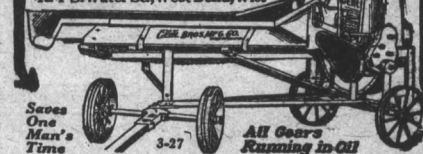
**GEHL  
SILO  
FILLER**

**Broke all Power  
Records at  
University Tests**

In a University test a Gehl cut 19.26 tons per hour with only 13.26 horse power or .688 H.P. per ton cut—elevating 35 feet and running only 465 R. P. M.—the lowest power of any cutter in the test. It will do as well on your own farm.

An all-steel machine, unbreakable steel fly wheel, built for years of hard service. Requires no man at feed table. Faster work at less cost. All sizes, fly-wheel and cylinder types. Dealers everywhere. Write for catalog and name of nearest dealer.

**GEHL BROS. MFG. CO.**  
424 S. Water St., West Bend, Wis.



**New Improved \$90**

**Fords  
Milker**

Single Unit  
Complete  
Electric or  
Gas Engine

**Cows Produce More Butter-Fat**

"My herd of 20 registered milking shorthorns took to Fords Milker from the start, producing 20 lbs. more butter-fat in the first month than when hand milked," writes Edmund Hansen of Minnesota.

Improved model is greatest value in milking machines. Heavy pressed aluminum parts. New Departure ball bearings. Easy and quick to use and clean. Cows like it.

Send for Booklet No. 50

showing our model for every purpose; single, double, double single, double double, etc. Agents: Some open territory. Write for details.

**Myers-Sherman Company**  
213-15 N. Desplains Street, Chicago, Ill.

**POWER MILKER \$35**  
COMPLETE READY TO USE

Milk 2 to 4 cows at a time—15 to 40 an hour. Clean, convenient. Easy to use. Sold on 30 days Free Trial. Satisfaction Guaranteed.

Comes With 2 H. P. Engine or Electric Motor. Ready to use when uncased—no installation cost—no pipe—no special equipment needed. Does the work of 4 milk hands. Self-cleaning.

**Free Book**—Let us send you our Free Book "The Truth About Milkers." Complete with pictures. Write today.

**OTTAWA MFG. CO.**  
5222 White Street, Ottawa, Kan.  
5222 McGee Bldg., Pittsburgh, Pa.

## Cured His Rupture

I was badly ruptured while lifting a trunk several years ago. Doctors said my only hope of cure was an operation. Trusses did me no good. Finally I got hold of something that quickly and completely cured me. Years have passed and the rupture has never returned, although I am doing hard work as a carpenter. There was no operation, no lost time, no trouble. I have nothing to sell, but will give full information about how you may find a complete cure without operation, if you write to me, Eugene M. Pullen, Carpenter, 33 N. Marcellus Avenue, Manassas, N. J. Better cut out this notice and show it to any others who are ruptured—you may save a life or at least stop the misery of rupture and the worry and danger of an operation.—(Adv.)



## Save land, labor and money

If you could farm fewer acres with less labor and yet produce just as much as you do now, you would be saving a good many dollars.

Some idea of what this saving might mean to you is shown by some remarkable comparisons made recently by the Michigan Agricultural Experiment Station.

On ten acres of fox sandy loam soil well limed and fertilized, they grew 263 bushels of rye, 189 bushels of wheat, 337 bushels of corn and 13.6 tons of sweet clover. To grow the same amounts of each crop on unfertilized and unimproved land required from 13 to 20 acres more, 1551 hours more of horse labor and 559 hours more of man labor.

Every attempt to obtain a seeding of clover on unimproved land failed. The extra land and extra hours of horse and man labor that were necessary to get the same amounts of rye, wheat, and corn cost \$381.42 more than the entire cost of farming the improved land, including the cost of fertilizer and lime.

Here was a net saving of \$381.42 in land and labor as a result of using proper fertilizer and lime. Isn't this worth trying for in your rotation?

### BALANCE YOUR FERTILIZER

Acid phosphate used alone as a fertilizer or to supplement manure has proved profitable in many rotations. Much better returns, however, can generally be secured by adding a good supply of potash as well. This helps to balance the phosphoric acid and manure and enables them to give bigger results.

Fertilizer mixtures containing 4% to 6% potash are recommended for mineral soils; for peat and muck soils, a much higher percentage of potash (10% to 32%) is used with profit. Potash pays!

**FREE**—A new booklet, "Better Grains and Hay", is now being prepared for the press. If you would like a copy, write us now and we will mail as soon as published.

Potash Importing Corporation,  
of America  
10 Bridge St., Dept. L-70, New York

Genuine German  
**POTASH**

## One Lever Locks 2 to 50 Cows

**West Bend**  
BARN  
EQUIPMENT

THE greatest time-saving convenience ever invented in barn equipment is the West Bend Automatic Stanchion with locking, releasing lever—the original, lever-operated, swinging stanchion. Costs no more than ordinary stanchions that must be closed and opened singly by hand. It also assures safety in locking up or releasing cows. One throw of the lever locks or releases the entire row of cows, controls from 2 to 50 stanchions. Cow stops are operated at the same time, guiding the cows into the stanchions. Enthusiastic owners everywhere. Write today for big free catalog showing complete line of West Bend Barn Equipment.

WEST BEND EQUIPMENT CORP.  
West Bend, Wis. Syracuse, N. Y.  
Write nearest office, Dept. G

## NEW A Greater BUTTERFLY Separator

With the wonderful Super-Skimming Discs. Easier to clean—very light-running and quiet. Many new features.

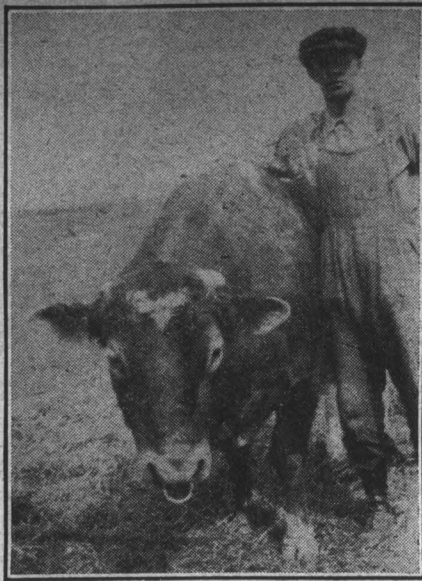
**ONLY \$2 DOWN**

for any size. Choice of easy hand-turning, belt power or electric drive. 30 days' Free Trial. Guaranteed lifetime against defects. American-made. Repairs can always be had quickly and cheaply. Write today for FREE Folder. Lowest factory prices and easiest payment terms.

ALBAUGH-DOVER MFG. COMPANY  
2961 W. 21st St. Chicago, Illinois

**NEWTON'S Compound**  
Heaves, Coughs, Conditions or Worms. Most for cost. Two cans satisfactory for Heaves or money back. \$1.25 per can. Dealers or by mail. The Newton Remedy Co. Toledo, Ohio.

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE BUSINESS FARMER.



### WATCH THAT BULL!

This fine Guernsey bull is owned by Will Hunt, of Cass county, who advises, "No ugly bull for me". But how can one be sure a bull will continue to be docile? Many a man has met death on the horns of a friendly bull. You cannot trust a bull, and one should regard them all with suspicion.

### LIME, LEGUME AND LIVESTOCK SPECIAL IN APRIL

A LIME, legume and livestock special train will be operated between Grand Rapids and Mackinaw City during the week of April 25th, by the Pennsylvania Railroad cooperating with the Michigan State College. The train will operate under its own steam, have its own crew, and will consist of a lecture car, a dairy car, a crops car, a car showing complete set up of the latest and most modern equipment for marl excavation, and a general office car. Alfalfa specialists, dairy specialists, and an agricultural engineer to operate the marl excavating machine and give information about it, will accompany the train. The stops along the line of travel are planned as follows:

Ravenna, 8:00 a. m., Monday, April 25; Rockford, 1:00 p. m., April 25; Howard City, 7:00 p. m., April 25; Big Rapids, 8:00 a. m., April 26; Reed City, 1:00 p. m., April 26; Cadillac, 7:00 p. m., April 26; Lake City, 8:00 a. m., April 27; Manton, 1:00 p. m., April 27; Kalkaska, 8:00 a. m., April 28; Alba, 1:00 p. m., April 28; Boyne Falls, 8:00 a. m., April 29; Levering, 2:00 p. m., April 29.

In addition to talks by the specialists soils will be tested for acidity and recommendations given as to the proper amounts of marl and lime to be used. Also the Keystone Rotation, now being used on the railroad's farm near Howard City, and which has proven a profitable sand land rotation, will be featured.

County agricultural agents, luncheon clubs, farmers' clubs, granges, chambers of commerce, and businessmen's organizations in the territory traversed will be solicited to assist in spreading the gospel of "More Alfalfa and Better Dairy Cows."

### FEEDING FOR TON LITTER CONTEST

I have read in your papers articles about "Ton Litter Contest" and the wonderful results obtained through proper care and feeding rations. I am very much interested in raising and breeding hogs, having registered Berkshire and O. I. C.'s for these purposes. I am asking you for information as to these rations for feeding and caring for these hogs as is required in this contest or of any way I may obtain this information. —A. J. D., Swan Creek, Mich.

ANYONE entering the ton litter contest in Michigan can feed their litter anyway that they choose. Rules for the contest can be obtained through a county agricultural agent or by writing the animal Husbandry Department of the Michigan State College. The ton litter contest is used as a demonstration of the best methods of feeding and managing pigs. Most of the men enter the contest follow out a great many of the feeding suggestions contained in Extension Bulletin, number 26, on swine feeding which may be obtained by writing the M. S. C.—V. A. Freeman, Extension Specialist in Animal Husbandry, M. S. C.

## CREAMERY



## Just Suppose You did this every week



SUPPOSE you spilled a can of cream every week just as you were about to deliver it to the creamery or cream station. Naturally you would call a halt on such a costly habit. But you may be doing the same thing in a different way without realizing it—because of a poor separator. To satisfy yourself that you are getting all the cream you should, ask your De Laval Agent to bring out a new De Laval Separator and run the skim-milk from your old machine through it. If you have been losing butter-fat the new De Laval will recover it, and by taking this to your creamery or cream station you can tell exactly what a new De Laval will save.

The new De Laval is the best cream separator ever made—the crowning achievement in 48 years of separator manufacture. It has the wonderful "floating bowl"—the greatest separator improvement in 25 years. It is guaranteed to skim cleaner, run easier and last longer.

Send coupon below for name and location of your De Laval Agent and FREE catalog.

## SEE and TRY the New De Laval TRADE in your old Separator

### The De Laval Milker

If you milk five or more cows, a De Laval Milker will soon pay for itself. More than 35,000 in use giving wonderful satisfaction. Send for complete information.

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Send catalog checked — Separator ☐ Milker ☐  
Name \_\_\_\_\_ Town \_\_\_\_\_ State \_\_\_\_\_ No. Cows \_\_\_\_\_ R.D. \_\_\_\_\_

## DON'T Let Udder Trouble - Ruin Your Best Cows

USE Dr. David Roberts UDDER BALM, a penetrating, soothing and healing ointment especially prepared for the treatment of udder trouble in all livestock. UDDER BALM is the newest addition to the almost complete line of Dr. David Roberts Prepared Prescriptions and is the final result of careful experimenting and thorough testing. The peculiar properties of UDDER BALM make it unusually effective in the treatment of all udder trouble.

### Use Dr. David Roberts Udder Balm

for Caked and Inflamed Udder, Garget, Mammitis, Bloody Milk, Chapped or Inflamed Teats, Bruises.

You cannot afford to be without this preparation that means relief and comfort for your cows and the satisfaction on your part of knowing that there is no udder trouble in your herd.

For Sale by Dealers Everywhere. If no dealer, send direct. Half-pound can 50c Postpaid.

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Veterinary Advice Free

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## Wonder Healing Compound FOR MAN BEAST

## -It's CORONA Wool Fat

Soothing Healing Ointment That Works Like Magic

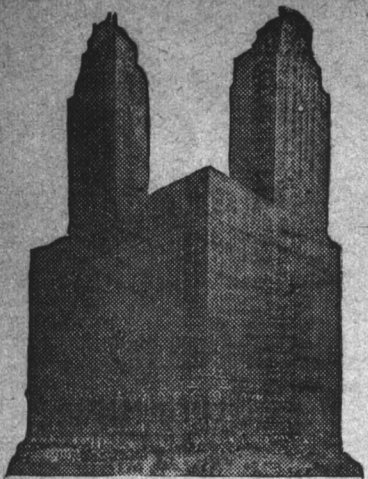
Corona Wool Fat is made from the oil extracted from sheep's wool. It's different from any salve or ointment you ever tried. It heals and soothes, but will not smart or blister the most sensitive wound. It has healed thousands of stubborn wounds where other lotions have failed. Hardly a day passes but what you'll find some use for Corona. For sore shoulders, sore necks, collar boils, split hoofs, scratches, sore teats on cows, caked udders, cuts, wounds, burns of any kind on man or beast it is unequalled.

**LIBERAL SAMPLE FREE** Corona is sold by nearly all druggists or direct from us on receipt of price—8 oz. tins 65c, 20 oz. tins \$1.25, postpaid. If you will send your name and address, we'll mail you a liberal sample and book of uses Free. We want you to see for yourself the wonderful healing properties of Corona.

CORONA MFG. CO., 86 Corona Bldg., Kenton, O.







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Tallest in the World  
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Rooms \$2.50 up  
all outside, each with  
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Garage privileges for every guest



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Gives Amazing Results in Worst Cases  
Now Available to U. S. Farmers

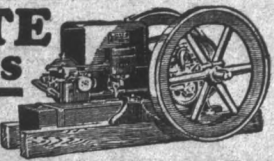


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John W. Froberg, who brought to this country the formula of the famous Swedish abortion treatment, has saved many of America's finest herds through its use. The treatment has made a remarkable record in Sweden by freeing large dairy districts literally rotten with abortion. John W. Froberg is a native of Sweden and a successful dairyman, guarantees its results and says the treatment cannot harm the animal. Any farmer wanting full information about the value of this famous formula should write his American laboratory. All questions are answered free of charge. Simply address Froberg Remed Co., 40 Lincoln St., Valparaiso, Ind.

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DIRECT From Factory—Wholesale Prices—Easy Terms—No Interest. 57 years proves WITTE most durable, economical—burns almost any kind of fuel—Semi-Steel Construction—Valve-in-Head Motor—WICO Magneto—THROTTLING GOVERNOR—LIFETIME GUARANTEE.

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BE COMFORTABLE

Wear the Brooks Appliance, the modern scientific invention which gives rupture sufferers immediate relief. It has no obnoxious springs or pads. Automatic Air Cushions bind and draw together the broken parts. No salves or plasters. Durable. Cheap. Sent on trial to prove its worth. Beware of imitations. Look for trade-mark bearing portrait and signature of C. E. Brooks which appears on every Appliance. None other genuine. Full information and booklet sent free in plain, sealed envelope. Brooks Appliance Co., 318 State St., Marshall, Mich.



Mr. C. E. Brooks

ASK US If you have any questions regarding legal matters that you want answered just write in to the Legal Editor and he will reply by first class mail. Address your letter, Legal Editor, The Business Farmer, Mt. Clemens, Mich.

## Over 350 Entries At Grain and Potato Show

(Continued from Page 4)

caged mice, rats and guinea pigs, whose colorings had been obtained through processes of breeding, according to the Mendelian Law of Heredity.

Of no less interest than the wall exhibits were the competitive potato and grain entries, affording opportunity to study all the main varieties grown throughout Michigan and regarded as superior in quality and yielding ability.

### All Lower Peninsula Represented

The corn show was highly successful, chiefly because of the large number of samples exhibited and the excellent quality of these samples. The entire Lower Peninsula was represented, from Leelanaw to Lenawee. Valentine Buckham, a Kalamazoo farmer, won high honors in the Yellow Dent Corn class, in District I, or the lower four tiers of counties. Second place was awarded Jesse Pickett of Caledonia, with an outstanding sample. Competition was keen, as might be expected in a class of twenty-five contestants. William Folks and Leo Wooden respectively won high honors in White Cap or any other dent class. Mr. Folks is widely known throughout the state as the originator of Folks' White Cap Corn, which has proved a valuable contribution to the corn growing industry of the State. Paul C. Clement won first honors in the fifty ear class with a splendid sample of Clement's White Cap, a variety which has consistently won honors in the Michigan Five Acre Corn Growing Contest, and is recognized as a leading variety for the southern part of the State. Second prize was awarded D. E. Turner and Son of Mosherville.

District II, or the remainder of the State, was likewise well represented. First place was awarded to David R. Geddes of Swan Creek and second place to J. C. Wilk of St. Louis. These growers placed in the same order in the fifty ear class.

### Single Ear Class

There were thirty entrants in the single ear class, with fifteen prizes awarded. D. A. Geddes of Swan Creek won the blue ribbon, with F. E. Fogle a close second.

The pedigreed classes afforded excellent opportunity for the visitors to study the leading varieties commonly recommended for State-wide use. All exhibitors in these classes were members of the Michigan Crop Improvement Association during 1926, engaged in the production of pedigreed seed corn under inspection.

P. A. Smith of Mulliken, a prominent seed grower, won first place in the Golden Glow class.

Montcalm county came in for first honors in the M. A. C. Yellow Dent class, with Roy L. Wright of Butter-nut the victor. Floyd E. Fogle of Okemos, an Ingham county farmer, won second place with an excellent sample.

Jesse Pickett of Caledonia held high the standard of the variety of his own origination—Pickett Dent. Mr. Pickett is well known also as a producer of Wolverine Oats, and American Banner Wheat.

Second prize was awarded W. R. Kirk and Sons of Fairgrove, likewise well known as producers of pedigreed Worthy Oats, Wisconsin Pedigree Barley and Pickett Dent Corn.

Garfield Farley of Albion won first place in the Duncan class, and

second place was claimed by E. R. York of Three Rivers, a leading grower of seed in this variety.

First and second honors on Clement's White Cap were taken by the originator, Paul Clement, and his neighbor, Ford Lownsbury.

The honor of having the best ten ear dent corn sample in the show went to David R. Geddes of Swan Creek. Roy L. Wright, Butternut, won reserve sweepstakes honors with an excellent sample of M. A. C. Yellow Dent. Since this was Mr. Wright's first appearance at an M. C. I. A. Grain and Seed Show, this achievement deserves a lot of credit.

### Small Grains and Seeds

From the corn classes, the visitors had occasion to look over the winners in small grains and seeds.

Beginning with rye, first and second honors went to D. E. Turner of Mosherville, and J. C. Wilk of St. Louis, respectively.

In soft red winter wheat, C. D. Finkbeiner of Clinton carried away a blue ribbon and sweepstakes over all with an excellent sample of Red Rock. This achievement entitles Mr. Finkbeiner to the Michigan State Farm Bureau Trophy, having won it three times during the past five years. Second honors were won by William J. Boyer of Quincy.

First and second places in the Berkeley Rock and semi-hard winter wheat class went to J. C. Wilk of St. Louis and G. P. Phillips of Bellevue, respectively. Mr. Phillips is likewise well known as a producer of pedigreed Wolverine Oats and Clement's White Cap Corn.

White winter wheat honors were claimed by Garfield Farley of Albion, followed closely by G. Steindam of Flint. D. A. Geddes of Swan Creek and Fritz H. Mantey, respectively, won first and second places in six-row barley, while J. C. Wilk of St. Louis and W. C. Pliter of Clio likewise won honors in the Black barless barley class.

Jesse W. Pickett of Caledonia was the lucky winner for both first and sweepstakes honors in an oat class made up of over thirty exhibitors.

A large number of high quality white pea bean exhibits were in evidence, the best belonging to W. E. Bartly of Alma. Voris Forshee of Fenwick won red ribbon with a very close running sample.

The red kidney bean which is becoming increasingly popular in the state was well represented to the visitors in the sample winning first place, exhibited by Mrs. Gertrude Abel and Sons of Sand Lake.

Small seed honors were taken by Emil Jacobs of Merrill with a very bright sample of Hardigan alfalfa. A generous number of red clover samples were in evidence, making a very complete and extensive small seed display.

On the other side of the hall were numerous competitive potato exhibits, the winners of which have already been announced.

From the standpoint of the variety and number of educational displays and exhibits, this mid-winter show will be remembered as truly beneficial to the public of Michigan.

Creosote treatment will increase the life of fence posts.

Good silage acts as an appetizer and a tonic for horses, but should not be fed in larger amounts than 10 pounds daily per animal.



### GETTING THE FERTILIZER ONTO THE LAND

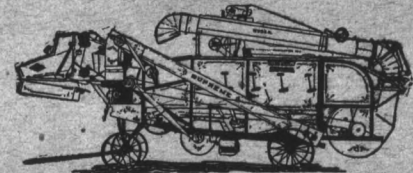
Hauling out manure is a winter job on most Michigan farms. Scott Thompson, of Traverse City, Grand Traverse county, with his team of black Percheron mares is hard at it. These mares are full sisters, five and six years old, and one year ago each weighed 1280 pounds.

## SAVE YOUR GRAIN

Save your grain. Let the Huber All-Steel, Full Roller Bearing Thresher do the work. Threshes CLEAN. Economical. Profitable. Two small sizes for small tractor power. Prices reasonable—terms liberal. Write for full information today.

THE HUBER MANUFACTURING CO.  
Dept. D, Marion, Ohio.

## WITH A HUBER SUPREME THRESHER



## SHOE BOIL, CAPPED HOCK

or bursitis are easily and quickly removed without knife or firing iron. Absorbine reduces them permanently and leaves no blemishes. Will not blister or remove the hair. Horse worked during treatment. At druggists or \$2.50 postpaid. Horse book 6-S free.

Surprised user writes: "Horse had largest shoe boil I ever saw. Now all gone. I would not have thought that Absorbine could take it away so completely."

**ABSORBINE**  
TRADE MARK REG. U. S. PAT. OFF.  
W. F. YOUNG, Inc. 369 Lyman St., Springfield, Mass.

## SPOHN'S DISTEMPER COMPOUND

Keep your horses working with "SPOHN'S." Standard remedy for 32 years for Distemper, Strangles, Influenza, Coughs and Colds. Give to sick and those exposed. Give "SPOHN'S" for Dog Distemper. Sold by your druggist. If not, order from us. Small bottle 60 cents, large \$1.20. Write for free booklet on diseases. SPOHN MEDICAL CO. Dept. 12 GOSHEN, IND.

## Rheumatism

A Remarkable Home Treatment  
Given by One Who Had It

In the year of 1893 I was attacked by Muscular and Sub-Acute Rheumatism. I suffered as only those who are thus afflicted know for over three years. I tried remedy after remedy, but such relief as I obtained was only temporary. Finally, I found a treatment that cured me completely and such a pitiful condition has never returned. I have given it to a number who were terribly afflicted; even bedridden, some of them seventy to eighty years old, and the results were the same as in my own case.



"I Had Sharp Pains Like Lightning  
Flashes Shooting Through  
My Joints."

I want every sufferer from any form of muscular and sub-acute (swelling at the joints) rheumatism, to try the great value of my improved "Home Treatment" for its remarkable healing power. Don't send a cent; simply mail your name and address, and I will send it free to try. After you have used it, and it has proven itself to be that long-looked-for means of getting rid of such forms of rheumatism, you may send the price of it. One Dollar, but understand I do not want your money unless you are perfectly satisfied to send it. Isn't that fair? Why suffer, any longer, when relief is thus offered you free. Don't delay. Write today.

Mark H. Jackson, 42N Stratford Bldg.  
Syracuse, N. Y.

Mr. Jackson is responsible, above statement true.

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"The Farm Paper of Service"  
TELL YOUR FRIENDS ABOUT IT



**BAG BALM**

**MILKING INSURANCE**

To guarantee you against milk losses due to injuries to udder or teats no investment for the dairy pays such sure returns as your package of Bag Balm.

This wonderful healing ointment, so clean and pleasant to use, performs wonders with the delicate injured tissues. For Caked Bag, Bunches, Inflammation, Chaps, Cracked teats, cuts, bruises Bag Balm softens, heals, restores with surprising speed. Most troubles are healed between milkings.

The regular use of Bag Balm makes easy milking and a full yield the rule. Saves annoyance to cow and milker. Big 10-ounce can only 60c at feed dealers, general stores, druggists. Sent postpaid if dealer is not supplied. Booklet "Dairy Wrinkles" free.

**Dairy Association Co.,**  
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## Here's the Way to Heal Rupture

A Marvelous Self-Home-Treatment That Anyone Can Use on Any Rupture, Large or Small

### Costs Nothing to Try

Ruptured people all over the country are amazed at the almost miraculous results of a simple Method for rupture that is being sent free to all who write for it. This remarkable Rupture System is one of the greatest blessings ever offered to ruptured men, women and children. It is being pronounced the most successful Method ever discovered, and makes the use of trusses or supports unnecessary.

No matter how bad the rupture, how long you have had it, or how hard to hold; no matter how many kinds of trusses you have worn, let nothing prevent you from getting this FREE TREATMENT. Whether you think you are past help or have a rupture as large as your fists, this marvelous System will so control it and keep it up inside as to surprise you with its magic influence. It will so help you restore the parts where the rupture comes through that soon you will be as free to work at any occupation as though you had never been ruptured.

You can have a free trial of this wonderful strengthening preparation by merely sending your name and address to W. A. COLLINGS, Inc., 357D Collings Building, Watertown, N. Y. Send no money. The trial is free. Write now—today. It may save the wearing of a truss the rest of your life.—(Adv.)

### NEW OFFICERS OF MICHIGAN'S LIVESTOCK ASS'NS

THE majority of the active livestock breeders' association in Michigan held their annual meetings at the Michigan State College during Farmers' Week, Jan. 31-Feb. 5, this year, at which time they elected their officers for 1927. Following is a list of the associations and their new officers:

**Fine Wool Breeders Ass'n**  
President, E. M. Moore, Mason; Vice President, L. W. Hendee, Pinckney; Secretary-Treasurer, R. J. Noon, Jackson; Directors, L. B. Lawrence, Chelsea, L. B. Roberts, St. Johns.

**Aberdeen Angus Breeders Ass'n**  
President, James Curry, Sandusky; Vice President, Alex. Minty, Ionia; Secretary-Treasurer, Avery Martin, Northstreet; Directors, Sidney Martin, Orion; John A. Brown, Detroit; Frank Summer.

**Shorthorn Breeders Ass'n**  
President, S. H. Pangborn, Bad Axe; Vice President, H. W. Hayes, Chelsea; Secretary-Treasurer, W. E. Judson Edwards, East Lansing; Directors, Jay Smith, Ann Arbor; F. A. Clark, Ypsilanti; Ray Peters, Elsie; C. A. Fox, Charlotte; Geo. Prescott, Tawas City.

**Holstein-Friesian Ass'n**  
President, J. E. McWilliams, Mt. Clemens; Vice President, D. D. Aitken, Flint; Secretary-Treasurer, To be elected by Board; Directors, H. W. Norton, Jr., Lansing; M. D. Buth, Comstock Park; Wm. Austin, Saline; Fred Knopf, Jr., Blissfield; M. W. Wentworth, Battle Creek; G. W. Foster, Postoria; D. E. Waters, Grand Rapids.

**Red Polled Cattle Club**  
President, John Killick, Doster; Vice President, R. L. Finch, Saline; Secretary-Treasurer, Mark R. Westbrook, Ionia; Directors, A. J. Battenfield, Fife Lake; D. Elbert Harvey, Jones; J. N. Sanford, Freesoil.

**Brown Swiss Breeders Ass'n**  
President, T. S. Marshall, Leslie; Vice President, M. H. Peterson, Ionia; Secretary-Treasurer, W. J. Campbell, Dimondale.

**Better Beef Association**  
President, W. W. Crapo, Detroit; Vice President, S. H. Pangborn, Bad Axe; Secretary-Treasurer, W. E. Judson Edwards, East Lansing; Directors, H. W. Harwood, Ionia; James Curry, Marlette; John Killick, Doster.

**Guernsey Cattle Club**  
President, John Endicott, Birmingham; Vice President, Geo. E. Dean, Albion; Secretary, C. Faye Myers, Grand Blanc; Treasurer, Hoyt Woodman, Lansing; Directors, H. Wigman, Lansing; John Williams, North Adams; H. G. Ray, Albion; Fred C. Holbeck, Long Lake; R. A. Holmes, Grand Blanc; J. C. Hollenbeck, Berrien Springs; F. H. Ormston, St. Johns Otto Gilmore, Camden; Geo. L. Burrows, Saginaw; F. B. Ainger, Jr., Northville.

**Jersey Cattle Club**  
President, Alfred Hendrickson, Hart; Vice President, E. D. Parker, Howell; Secretary-Treasurer, Samuel Odell, Shelby; Directors, A. H. Gors, Ann Arbor; Dr. F. Jones, Lansing; F. E. Haynes, Hillsdale; Alvin Balden, Capac; Fred Endley, Grand Rapids; Geo. Winegar, St. Morris; J. W. Fordney, Jr., Saginaw; C. G. Sanborn, Otisville; W. Wilson, Kingsley; Roy Weinberg, Vicksburg; Fred W. Notten, Grass Lake.

**Horse Breeders Ass'n**  
President, L. C. Hunt, Eaton Rapids; Vice President, Sidney Smith, Orion; Secretary-Treasurer, R. S. Hudson, East Lansing; Directors, Andy Adams, Litchfield; John Sharkey, Bellvue; E. G. Read, Richland; Herbert Peters, Carland; Ray Whitney, Onondaga.

**Duroc Jersey Breeders Ass'n**  
President, Sidney Phillips, Charlotte; Vice President, E. H. Norris; Secretary-Treasurer, Raymond B. Laser, Prattville; Directors, John Williams; Harold Shafley, St. John; Harry Cramton.

**Poland China Breeders Ass'n**  
President, Wm. Wood, Rives Junction; Vice President, Mr. Barnard, Portland; Secretary-Treasurer, A. A. Feldcamp, Manchester.

**Hampshire Swine Breeders Ass'n**  
President, Roy Skinner, Henderson; Vice President, Lloyd Alstine, Okemos; Secretary-Treasurer, A. G. Bovay, Jackson; Directors, C. L. Campbell, Parma; John W. Snyder.

**Spotted Poland China Breeders Ass'n**  
President, G. S. Coffman, Coldwater; Vice President, S. P. McConkey, Breckenridge; Secretary-Treasurer, G. P. Phillips, Bellvue; Directors, Oscar Vollker, Pigeon; Thad Moore, Dowagiac.

**Chester White Breeders Ass'n**  
President, Dan C. Miller, Swartz Creek; Vice President, J. C. Wilk, St. Louis; Secretary-Treasurer, Frederick Knox, Portland; Directors, Harold Simmons, Ionia; Henry Lane, Fairgrove.

**Sheep Feeders Ass'n**  
President, A. E. Cowles, St. Johns; Secretary-Treasurer V. A. Freeman, East Lansing.

**Purebred Sheep Breeders Ass'n**  
President, H. C. Skinner, Dimondale; Secretary, M. H. Thornton, East Lansing; Treasurer, Glenn Armstrong, Fowlerville.

We have been readers of the M. B. F. for several years and think it the best farm paper we have taken.—Mrs. Arthur Clarke, Midland County.

# One mash to start your chicks and grow them

**AMCO**

### STARTING AND GROWING MASH

400 lbs....	St. Wheat Bran
300 "	Flour Middlings
680 "	Corn Meal
100 "	Fine Ground 40# Oats
200 "	Meat Scrap 55-60%
200 "	Dried Buttermilk or Dried Skim Milk
100 "	Steam Bone Meal
20 "	Salt

### GUARANTEED ANALYSIS

Protein	(Minimum)	17%
Fat	(Minimum)	3.5%
Fiber	(Maximum)	6%
Total Digestible Nutrients in 1 ton—1408 lbs.		

FOR many years poultrymen have paid needlessly high prices for special chick starters for use in the first few weeks of the chick's life, after which they shifted over to growing mash.

Experience has definitely proven that one mash can supply all of the requirements of the young chick as well as the growing chick. The formula of Amco Starting and Growing Mash has been carefully worked out to meet all of these requirements.

This public formula feed has been used for the past three years in some of the largest poultry sections of the east with uniformly good results. Mortality in the neighborhood of 5 per cent has been the rule among users of this formula, other conditions being normal.

Note the formula, above, of Amco Starting and Growing Mash. The animal protein is equally divided between high grade meat scrap and dried milk. The necessary minerals for the complete development

of a normal chick are included in the mash.

Amco Chick Scratch and Amco Intermediate Scratch are two parts cracked corn and one part wheat. This combination has been found in careful experiments to produce the best results.

### Feeding Young Chicks

Don't feed chicks until 48 hours old. The first day give a mixture of bran and chick grit and Amco Chick Scratch Grains in a shallow pan.

For the first two weeks, feed chicks five times a day; Chick Scratch morning, noon and night in litter; Growing Mash moistened with milk twice a day between grain feedings.

From two to eight weeks, feed Scratch morning and night. Change gradually from Chick Scratch to Intermediate Scratch when the birds are from 4 to 6 weeks old. Give one feeding of Growing Mash moistened with milk at noon and have available as dry mash.

From eight weeks to maturity, feed Scratch morning and night. The Intermediate Scratch can be changed to the Coarse Scratch anytime after three months. Have Amco Starting and Growing Mash always available.

Full information on the care and feeding of your young birds can be secured free of charge by writing to the address below.

DIVISION OFFICE: COLUMBUS, OHIO

**AMCO**  
FEED MIXING SERVICE

AMERICAN MILLING COMPANY

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# PAPEC

"The Cutter That Does Not Clog"

## Good Silage Saves Grain

Good silage cuts your feed bills and increases the milk flow. It's easy to fill your own silo when the corn is at its best. Just put a Papec on the job. You can operate it with less help because no man is needed at the feed table. Light draft and low speed fit it for use with any light tractor—Fordson, McCormick-Deering, John Deere, Cletrac, etc.

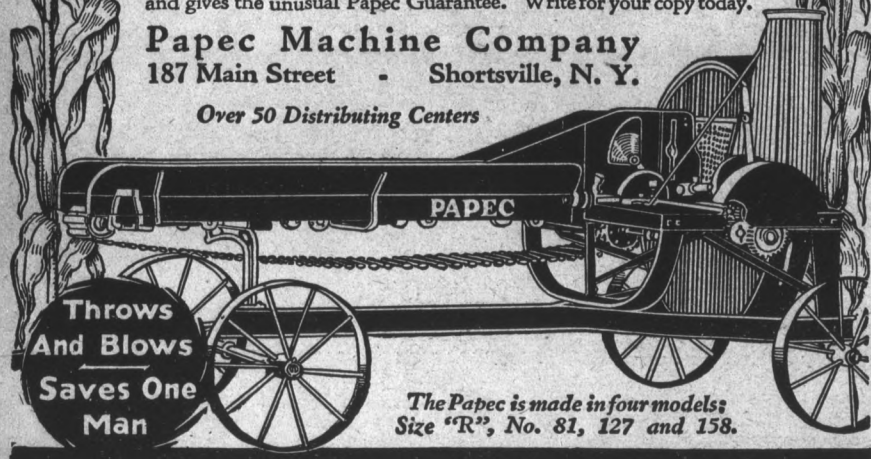
A Papec runs year after year without breakdowns and practically without repairs. It fills the highest silo without clogging.

Our FREE 1927 Catalog tells how to make a Papec pay for itself in two seasons. Explains how the wonderful Third Roll saves a man and gives the unusual Papec Guarantee. Write for your copy today.

### Papec Machine Company

187 Main Street - Shortsville, N. Y.

Over 50 Distributing Centers



Throws  
And Blows  
Saves One  
Man

The Papec is made in four models;  
Size "R", No. 81, 127 and 158.



### Well Developed Pullets Necessary for Heavy Egg Production

**B**IG, well developed frames and plenty of reserve fat are necessary in order to carry pullets through without moulting. Michigan Growing Mash provides the protein for building body frames and tissues in growing chicks. Insure large, well developed, fat pullets at maturity by feeding a well balanced ration, furnishing all necessary types of protein. This growth and development is necessary for the pullets to maintain heavy egg production. Ask for a pamphlet of our poultry feeds containing valuable feeding suggestions.

### Michigan Farm Bureau Supply Service Lansing, Michigan



### FOREMAN'S OFFICIAL CHAMPION LAYERS

Official records are the safest guidance to reliable sources of better chix and stock.

#### We Breed Our Winners

Write for free catalog illustrating our official contest winners and America's foremost strains of Production Barred Rocks and White Leghorns. Valuable plan of Foreman-Improved Michigan type Laying House free.

FOREMAN POULTRY FARM, Box 323-E, Lowell, Mich.  
Prof. E. C. Foreman, Owner and Manager.



### QUALITY CHICKS AT ORDINARY PRICES

White Leghorns — Barred Rocks  
Sanilac County Rhode Island Reds

Write Immediately to

Thumb Hatchery, Inc., Box B, Sandusky, Mich.

(Or inquire John D. Martin, County Agricultural Agent.)

## HA! LOOK! Buy Our Big Husky Easy To Raise Chicks!

15 pure bred varieties. Some won 1st and 2nd prizes in production class. Won many 1st prizes blue ribbons in large poultry show. Also, have one flock of Morgan-Tancred Strain, blood tested White Leghorns, of 250 to 312 egg breeding. The owner of this flock paid \$150 for 6 eggs to improve his flock. Every one of our breeders has been culled and selected for breeding quality. Write and get our free circular with big discounts on baby chicks and brooders.

BECKMAN HATCHERY :: GRAND RAPIDS, MICHIGAN

## HA! OUR PURE BLOOD

SELECTED CHICKS, 9c UP.  
15 Varieties. Can ship at once. Rush orders.

Some flocks are blood tested and trapnested with cockerels of 200 to 312 egg guaranteed pedigreed. Every breeder culled and selected. Get our FREE circular giving big discounts on baby chicks, hatching eggs, and brooders.

Lawrence Hatchery, R. 7, Phone 76761, Grand Rapids, Mich.

## M. S. C. Egg Show Great Success

By DONALD KLINE

**O**NE hundred twenty-one exhibitors showed two hundred eighty-seven dozen eggs at the largest egg show that has ever been held in Michigan, Farmers' Week, January 31 to February 4, at Michigan State College, according to C. M. Ferguson of the poultry department, who was in charge of the show.

The success of the show was made possible by the liberal contributions of trophies which were awarded by several poultry equipment and products companies.

"Better quality eggs were exhibited this year than ever before," declares Prof. Ferguson, "and farmers and poultrymen are beginning to realize the importance of grading and selecting eggs for the market."

Entries from Oklahoma, Nebraska, Wisconsin, Pennsylvania, Maryland, and Kansas show the national scope of the show and greater out of state interest has been shown each year in the Michigan contest.

Prof. A. G. Phillips, of the McMillen Feed Company, and formerly head of the poultry department of Purdue University, was the official judge of the show. The judging was done by the score card method.

Thirty points were given for size; eight points for shape, ten for uniformity of color; five for uniformity of shape; twelve for uniformity of size; twenty on shell texture; and fifteen points to condition of shell. A cut of five points was also made for each ounce under twenty-four ounces, the standard weight for a dozen eggs. Uniformity of color, size of eggs, and shell texture came in for the largest amount of cuts, but a decided improvement was noted this year in the condition of shell texture.

The Yocum Faust Company, London, Canada, were the donors of a silver trophy for the experimental station and college class. The winners of this class were: Class 1—white (15 entries); Oklahoma A. and M. College, 1st, 3rd, 4th, 5th; University of Nebraska, 2nd, 5th, 7th, 8th; University of Wisconsin, 9th. Class 1—brown (13 entries): Oklahoma A. and M. College, 1st, 2nd, 4th, 6th, 9th; University of Nebraska, 3rd, 5th, 7th; University of Maryland, 8th.

#### College Student

Poultry students at the College took an active interest in the show. Albert Dickinson Company of Chicago, offered the silver trophy in this class which was composed of 51 entries. The winners were: Class 2, white eggs: Donald Kline, Grand Blanc, 1st (reserve sweepstakes ribbon); Harold Hannah, Grand Rapids, 2nd; K. C. Poulson, Lowell, 3rd; Kenneth Post, Mulliken, 4th; R. H. McDonald, Grand Rapids, 5th. Brown eggs: Oscar Hall, E. Lansing, 1st (sweepstakes cup); Donald Kline, 2nd; B. E. Musgrave, E. Lansing, 3rd; Hildred Hart, Davison, 4th.

The Michigan Farmer presented the trophy for class three, students of colleges other than M. S. C. White eggs (six entries): Carl Wick, Oklahoma A. and M. College, 1st, 2nd and sweepstakes cup; Charles M. Rice, University of Wis., 3rd; L. L. Logan, Penn. State College, 4th and 6th; James E. Payne, Kansas Agri. College, 5th. Brown eggs (three entries): R. E. Weinheimer, University of Nebraska, 1st and reserve sweepstakes ribbon; Carl Wick, A. and M. College, 2nd; Clayton Holmes, University of Wis., 3rd.

#### Smith Hughes Class

Hales and Hunter Company, Chicago, Illinois, awarded the silver trophy in the Smith-Hughes High School Student class of fifteen entries. White eggs: Eaton Rapids High School, 1st, 2nd, 3rd, 5th, 6th (sweepstakes cup and reserve sweepstakes ribbon); Paw Paw High School, 4th; Robert Storry, Lawton, 7th; Mancelona High School, 8th; Melvin Leland, St. Johns, 9th. Brown eggs (eight entries): Eaton Rapids High School, 1st, 2nd, 3rd, 4th, 6th, 7th; Mancelona High School, 5th; Orville Conley, St. Louis, 8th.

The United Brooder Company, Trenton, New Jersey, gave the trophy in class five, commercial egg class. White eggs (11 entries); W. S. Hannah and Son, Grand Rapids,

1st, 3rd, 8th, and reserve sweepstakes ribbon; W. A. Downs, Romeo, 2nd; H. H. Green, Charlotte, 4th; Muskegon Hatchery and Poultry Farm, 5th and 6th. Brown eggs (three entries): S. J. Arnold, Lansing, 1st and sweepstakes cup; F. E. Fogle, Okemos, 3rd; Pinecroft Farm, Owosso, 2nd.

The trophy for the hatchery class, class six, was awarded by the E. J. Smith company, Cleveland, Ohio. White eggs (14 entries): W. S. Hannah and Son, 1st, 4th, 6th, and sweepstakes cup; Dr. L. E. Heasley, Grand Rapids, 2nd and reserve sweepstakes ribbon; Noeker's Poultry Farm, Brighton, 3rd; Wolverine Hatchery, Zeeland, 5th; G. H. Nye, Eaton Rapids, 7th; W. A. Downs, 8th. Brown eggs (eight entries); W. R. Brott, Charlotte, 1st, 4th and reserve grand sweepstakes; Pinecroft Poultry Farm, 2nd; H. B. Pelton and Sons, East Tawas, 3rd; Michigan Poultry Farm, Mason, 5th, 6th, 8th.

#### Best Dozen of Eggs

Mrs. H. H. Steffins, Manton, won grand sweepstakes cup for best dozen white eggs in the show and also sweepstakes cup in demonstration farm class, class seven. Zenoleum Products Company, Detroit, donated the grand sweepstakes cup, while Excelsior Wrapper Company, Grand Rapids, awarded the class trophy. White eggs (five entries); C. H. Dykeman, Port Huron, 2nd; Otto Saarikko, Rock, 3rd; H. A. Keister, Bangor, 4th; James Meeks, Hillsdale, 5th. Brown eggs (three entries); Chas. Sutherland, Brighton, 1st and reserve sweepstakes ribbon; Mrs. Giles Adams, Bohannon, 2nd; Mrs. Thomas Whitfield, Cass City, 3rd.

For class eight, farmers and fanciers, Keyes Davis Company, Battle Creek, gave the silver cup. White eggs (sixteen entries): W. S. Hannah and Son, 1st, 4th, 9th and reserve sweepstakes ribbon for class, also reserve sweepstakes for best white dozen in entire show; Otto Saarikko, Rock, 2nd; Mrs. H. H. Steffins, Manton, 3rd; Dr. L. E. Heasley, 5th, 8th; Oliver Rhoades, Clinton, 6th; H. A. Keister, Bangor, 7th. Brown eggs (eight entries); Mrs. S. J. Resseguie, Butternut, 1st and sweepstakes cup, also grand sweepstakes cup for best brown eggs in entire show; Charles Sutherland, 2nd; J. R. Worthington, Okemos, 3rd; S. J. Arnold, Lansing, 4th; Casper Lott, Mason, 5th.

The Quaker Oats Company, Chicago, gave a nice trophy in the record of performance class. White eggs (11 entries); W. S. Hannah and Son, 1st, 3rd, 6th, 7th; Fairview Hatchery and Poultry Farm, Zeeland, 2nd; H. H. Greens, Charlotte, 4th; W. A. Downs, 5th. Brown eggs (9 entries): W. R. Brott, Charlotte, 1st, 4th, 5th, and class sweepstakes cup; C. N. Whittaker, Lawrence, 2nd and reserve sweepstakes ribbon; Pinecroft Poultry Farm, 3rd; Michigan Poultry Farm, 6th, 7th.

Boys' and Girls' Clubs of the State showed ten entries of white eggs and five entries of browns in competition for the silver trophy which was awarded by the Nowak Milling company, Hammond, Indiana. White eggs: James Meeks, Hillsdale, 1st and reserve sweepstakes ribbon; Sindy's Poultry Club, Eaton Rapids, 2nd; Herbert Aue, Muskegon, 3rd; Jacob and Ann Flaschberger, Iron River, 4th; Jacob Turner, Stambaugh, 5th. Brown eggs: Eldee Van Wormer, Swan Creek, 1st and sweepstakes cup; Emil Aue, Muskegon, 2nd; Gustave Aue, Muskegon, 3rd; Oscar Aue, Muskegon, 4th; Walter Ross, Muskegon, 5th.

Class 11, Junior displays, five dozen to an entry: Sindy's Poultry Club, 1st and sweepstakes cup; Norton Boys Poultry Club, Muskegon, 2nd and reserve sweepstakes ribbon; Jonesville High School, 3rd.

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Monroeville (O.) Hatchery writes—"Raised 97 per cent."  
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## \$1064 Egg Revenue From 680 Unculled Pullets In Seven WEEKS

One customer reports this splendid return from our April hatched Grade A White Leghorn Chicks, Nov. 1 to Dec. 19, 1926. This is fine, but not unusual record for our regular stock. 750 surplus cockerels raised from his 1600 chicks also gave him additional revenue. Our hens now leading Michigan and Oklahoma Contests are birds of similar breeding. All our stock blood-tested, and every breeder on our own farm traced from its first to its last egg. All birds have been handled, passed, leg-banded and CERTIFIED by the Michigan Poultry Improvement Association. Write at once for Price List and FREE Catalog on Baby Chicks and Hatching Eggs.  
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White Leghorns (Tancred) \$3.75 \$7.00 \$13.00 \$22.00 \$120.00  
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This is an average of 21 eggs per pullet per month. YOU can do the same with our stock which is the result of 14 years of breeding for SIZE, TYPE, WINTER EGGS and HIGH FLOCK AVERAGE, instead of a few high individuals. We have HOLLYWOOD, TANCRED, and ENGLISH type S. C. White Leghorns, SHEP-PARD'S Anconas, Brown Leghorns and Barred Rocks. Hollywood foundation stock from 260-290 egg record; Tancred foundation stock from 250 up egg record stock—Ancona foundation direct from Sheppard's. The very best in Brown Leghorns and Barred Rocks. Our chicks are HEALTHY, VIGOROUS, Newtown hatched chicks from free range breeders. The strongest proof of the quality of our chicks is that we have doubled our hatching capacity over last year. With "TOWNLINE" you also get "PERSONAL SERVICE."  
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**DEAN EGG FARM & HATCHERY**  
Michigan Accredited Chicks—  
White Leghorns a Specialty—also best strains of Barred and White Rocks, R. I. Reds, White and Silver Laced Wyandottes, Anconas. Expert selection of breeding stock, together with scientific incubation methods, assure husky, liveable chicks.  
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# MARKET FLASHES



## Packers Are In Need of More Hogs

Buying of Wheat Is On Hand To Mouth Basis

By W. W. FOOTE, Market Editor.

FARMERS of Ohio are joining clubs for the purpose of improving the old-time methods of growing grain and potatoes, and good results where new plans were placed in operation last year have been reported in quite a number of districts. This intensive farming is bound to spread in grain growing states, and those practicing it are enthusiastic on the subject, as they have good reason to be. Manure spreaders come in handy, and the barn yard accumulations are becoming things of the past, as they are needed for enriching the soil, while the use of fertilizers is growing steadily in places where farmers can raise the money. Potato growers have been learning from costly experience the necessity of careful spraying at just the right time, and progressive Ohio farmers have in quite a number of instances raised 300 bushels of potatoes an acre on two acres of land. Clubs of farmers of the same state feel a natural pride for having grown 100 bushels of corn an acre on tracts of ten acres while wheat farmers to the number of at least twenty have harvested 40 bushels of wheat an acre on tracts of ten acres. The farmers who have started this movement have no intention of increasing the grain and other farm crops, and their sole object is to make each acre produce more and better crops. Hired farm labor is costly, and many farmers cannot afford to pay the wages asked. It should be added that unusual attention is being paid to raising hogs, and the movement for increasing the litters of pigs is growing all the time. In Ohio farmers are joining ton litter clubs and are raising a ton of pork from a litter of pigs in half a year.

### New Grading of Beef

A system of grading and stamping beef in such a manner that the consumer may know exactly the quality of the meat he purchases was adopted recently at a meeting held in Chicago of the National Better Beef Association, it was announced by Oakley Thorne, president. Under the plan, the packers will grade the beef under the supervision of the government, and the marks will be readable by the final purchaser. Retailers of beef are said to favor the plan.

### Not Much Change in Wheat

Week after week sees wheat for May delivery sell on the Chicago Board of Trade around \$1.40 to \$1.43, and numerous tired holders have been selling out, there being apparently nothing in sight of an encouraging nature. A year ago the price was around \$1.65, while a little more than two years ago sales were made as high as \$1.94. For quite a number of weeks the stocks of wheat in sight showed marked weekly gains, but during a recent week there was an increase of 759,000 bushels in the visible supply in the United States, bringing the stocks up to 55,354,000 bushels, comparing with 42,830,000 bushels a year ago. Buyers are operating mostly sparingly, and this applies to millers as well as to others, exports of breadstuffs being only fairly large, while speculators are not branching out to any considerable extent. Foreign competition in supplying the wants of European countries explains much of the depression for such countries as Argentina and Australia have become large exporters of wheat, and the same is true of Canada. Rye makes a great contrast to wheat in activity and good prices, and quite recently aggressive buying of rye by houses with northwestern, eastern and foreign connections gave that grain renewed strength, May rye selling around \$1.08, comparing with 94 cents a year ago. On a recent day export sales of 250,000 bushels of rye were reported at the seaboard, and it was stated that stocks held at eastern ports and Montreal had been bought for shipment. It was said also that

Germany was after large amounts. May corn sells at 79 cents, about the same as a year ago, while May oats sell around 46 cents, a few cents lower than last year. Oats seeding is going forward in Texas and Oklahoma. Two years ago May oats sold up to 62 cents.

### Cattle Hurried to Market

There are fewer cattle in feeding districts than at this time last year, and the number shipped to market this year has ran well short of the same time in 1926, this applying to the several packing points. But the prevailing tendency is to rush the short-fed steers of light weight to market, thereby creating a glut of

Hogs are much wanted by the packers, the consumption of fresh and cured pork products being very large, while fewer hogs are going to market than in recent years. For 1927 to late date the aggregate receipts in seven western packing points were 3,677,000 hogs, these comparing with 3,932,000 for the same time last year, 5,716,000 two years ago and 5,870,000 three years ago. Hogs sold recently in the Chicago market at \$10.40 to \$12.10 comparing with \$9.60 to \$13.50 a year ago; \$10.25 to \$11.40 two years ago and \$6 to \$7.25 three years ago. As compared with most past years, market prices are unusually high. Heavy hogs continue to sell at a great discount, and prime light weights are market toppers, selling 40 cents higher than the best heavies. Hogs marketed recently averaged 231 pounds, the same as in average years. Stocks of provisions

due to turn the other way. Last week closed with trading light and commission houses doing most of the selling.

### RYE

The rye market is holding its own very well and the price remains at the same level as quoted in our last issue. The outlook continues good.

### BEANS

What is the bean market going to do? A real live question without an answer that can apparently be depended upon for its reliability. Moisture has been blamed right along for the low price on the 1926 crop, and much of it is true, but these wet beans must be pretty well unloaded by now so that most of the stock yet to be sold is in fair to good condition. Experts declare that Michigan and California are the only states with many beans left and the canners look to this State for their supply. Looks like higher prices were due, in fact they are past due, and we hope they soon arrive. Reports have it that many bean growers are turning to potatoes for 1927. Red kidneys are quoted from \$4.50 to \$6.50.

### POTATOES

Growers of certified seed potatoes are the ones making money right now. With table stock selling for less than a dollar a bushel seed potatoes are bringing all the way up to \$2.25 a bushel, a greater difference between prices than even old timers can remember ever seeing before. Indications are that most potato growers intend to increase their acreage while many bean growers are deserting their first love for potatoes for 1927.

### BOSTON WOOL MARKET

Raw wool closed last week at Boston quiet with business spotty. Ohio fleeces were quoted at 45@46c.

### DETROIT BUTTER AND EGGS

Butter is steady with best creamery in tubs 49@51½c. Eggs are easy. Fresh firsts are 26@26½ cents per dozen.

### DETROIT LIVE POULTRY

Geese show some weakness while other poultry is steady and unchanged. The following prices are those received by commission merchants and paid to farmers, less 5 per cent commission and transportation charges: Hens, selling good, colored, under 5 lbs., 23c; over 5 lbs., 28c; Leghorns, 24c. Stags, 23c. Capons, fat, 7 lbs. up, 32@33c. Ducks, white, 4½ lbs. up, 35c; smaller or dark, 32c. Geese, 25c. Turkeys, young, No. 1, 8 lbs. up, 42c; old toms, 32c.

### SEEDS

DETROIT—Clover, cash, domestic, \$24.50; imported, \$22.60. Timothy, cash, \$2.60.

CHICAGO—Clover, \$28.50@35. Timothy, \$4.75@5.25.

### LIVESTOCK MARKETS

DETROIT, Feb. 22.—Cattle—Market steady. Good to choice yearlings, dry fed, \$9.72@10.25; best heavy steers, dry fed, \$8.50@9.50; best handy weight butcher steers, \$7.25@7.75; mixed steers and heifers, \$6@7; handy light butchers, \$6@6.50; light butchers, \$5.25@5.50; best cows, \$5.50@6.50; butcher cows, \$4.75@5.50; common cows, \$5.25@5.75; canners, \$3.50@4.25; choice light bulls, \$5.75@6; heavy bulls, \$5@6.50; stock bulls, \$5@6; feeders, \$6@7.25; stockers, \$5.50@6.50; milkers and springers, \$55@90. Veal Calves—Market 50 higher. Best, \$16.50@17; others, \$4.50@10. Sheep and Lambs—Market steady. Best lambs, \$13.50@13.75; fair lambs, \$11@12.25; light to common lambs, \$6@10.25; fair to good sheep, \$5@8; culls and common, \$2.50@4. Hogs—Market—Prospects lower. Mixed hogs, \$12.

EAST BUFFALO, N. Y.—(United States Department of Agriculture)—Hogs, offerings limited to light butchers, sales around 10 cents higher at \$12.65@12.85; pigs and light lights nominally \$12.85 down; medium weights, \$12.15@12.65; packing sows, \$10.50@11.25. Cattle—Nominally steady. Calves—Nominally steady; choice vealers quotable up to \$17.00. Sheep—Strong; good to choice fat lambs, \$12.75@13.95; cull and common grades quotable \$11.50@12.25; fat ewes, \$8.25 down.

### M. B. F. MARKET REPORTS BY RADIO

EVERY evening, except Saturday and Sunday, at 7:05 o'clock, eastern standard time, The Michigan Business Farmer broadcasts market information and news of interest to farmers through radio station WGHP of Detroit. This station operates on a wave length of 270 meters.

the common to medium kinds, and this has brought about a number of sharp declines in prices. On the other hand, there is a real scarcity of choice beefs, with decidedly too few offered on the Chicago market to go around, and they have undergone some very good upturns in prices of late. Recently steers have found buyers largely at a range of \$9 to \$12 on days of fairly large receipts, the extreme of sales being \$8 to \$13.10. Much the best prices are paid for long fed heavy steers, and the top price was the highest recorded in more than a year. The best yearlings sold for \$12.25. It is a time when quality is greatly lacking, and farmers who are making their cattle choice are well rewarded. Cattle as a whole are selling much higher than in most former years, and it is recalled that five years ago the best steers sold at \$9. A year ago steers sold at \$7.50 to \$11.50. Fat heifers and cows are in good demand at \$8.75 to \$10.50, and stockers and feeders have had good advances, with sales at \$6.75 to \$8.75, largely at \$7.25 to \$8.25. Supplies of these cattle are light, and there is a good demand, country buyers competing with killers for steers selling at \$9 and under.

in storage are mostly normal, and prices are much lower than at this time last year. Conditions are favorable for the hog industry, and owners need not worry about the future.

### WHEAT

A steady tone is noted in the wheat market with trading almost at a standstill as everybody keeps their eyes turned towards Washington. Speculation is high as to whether or not President Coolidge will sign the McNary-Haugen Bill passed by both houses. Much pressure is being brought to bear on the President from both sides. Heavy shipments from Argentina have not helped the price of American wheat although foreign trade is active.

### CORN

Corn seems to be about holding its own because of light receipts. Any weakness in the market brings out plenty of buyers.

### OATS

Oats dipped down some in price around the middle of this month but there are many who feel oats are

### THE BUSINESS FARMER'S MARKET SUMMARY and Comparison with Markets Two Weeks Ago and One Year Ago

	Detroit Feb. 21	Chicago Feb. 21	Detroit Feb. 9	Detroit 1 yr. ago
<b>WHEAT—</b>				
No. 2 Red	\$1.37		\$1.39	\$1.83
No. 2 White	1.38		1.40	1.84
No. 2 Mixed	1.36		1.38	1.83
<b>CORN—</b>				
No. 2 Yellow	.79	.77 1/2	.80	.75
No. 3 Yellow	.76		.76	.70
<b>OATS</b>				
No. 2 White	.50	.46@.46 1/2	.51	.43 1/2
No. 3 White	.47	.43@.46 1/2	.48	.42 1/2
<b>RYE—</b>				
Cash No. 2	1.07	1.04	1.07	.94
<b>BEANS—</b>				
C. H. P. Cwt.	4.40@4.50		4.70@4.80	4.25@4.35
<b>POTATOES—</b>				
(New) Per Cwt	2.50@2.66	1.90@2.05	2.66	3.83@4.00
<b>HAY—</b>				
No. 1 Tim.	18@19	20@22	19@20	23.50@24
No. 2 Tim.	16@17	18@20	17@18	20@21.50
No. 1 Clover	18@19	23@24	19@20	20@21
Light Mixed	17@18	20@21	18@19.50	22@22.50

Monday, February 21.—Wheat and oats unchanged. Corn easy. Rye bullish. Nothing new in beans. Hogs and sheep strong. Cattle lower.



**K-R-O**  
Kills Rats Only

## Kill rats wholesale

Endure these pests no longer. Get rid of them safely. Here's a new sure way. K-R-O, a fine non-poisonous powder, kills 'em off in a hurry. Made from powdered squill as recommended by the U. S. Dept. of Agriculture. 10% mixture in any bait ends your rat troubles. It kills them in swarms—with deadly sureness, with absolute safety to live stock.

### Safe for poultry and pets

K-R-O was forcibly fed to chickens, pigeons, cats and dogs. Not a single bird or animal was injured. Yet a 10% mixture killed rats and mice with deadly certainty! Think what that means to farmers and merchants. Think what that means to you!

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Use K-R-O freely. Place it around your home, your barn, your granary or farmyard. Guaranteed to do the work and do it safely! 75c at your druggist. If he has not yet received his stock of K-R-O, send us his name and 75c and K-R-O will be sent you postpaid. Accept no substitutes, there is only one K-R-O.

K-R-O Co., Dept. 28, Springfield, Ohio

## BABY CHICKS

100% Live Delivery. Postage Prepaid.

Wh. & Br. Leghorns	\$3.50	\$6.50	\$12.00
Br. & Bl. Leghorns	3.50	6.50	12.00
Anconas	3.75	7.00	13.00
S. C. & R. C. Reds	4.00	7.50	14.00
Barred Rocks	4.00	7.50	14.00
S. C. Bl. Minorcas	4.00	7.50	14.00
Br. & Wh. Rocks	4.00	7.50	14.00
Wh. & S. I.			
Wyandottes	4.50	8.50	16.00
Br. Orpingtons	4.50	8.50	16.00

All absolutely first class purebred stock from culled flocks. Prompt shipments.

JAMES A. KREJCI, Cleveland, Ohio.  
9507 Meech Ave.,

## Better Chicks

GET THEM FROM KLAGER. Pure bred, from selected and carefully culled parent stock. Bred to lay. Five most popular breeds—S. C. White Leghorns, Rhode Island Reds, White Plymouth Rocks, Barred Plymouth Rocks, White Wyandottes. All Klager's chicks are

**Cert-O-Culd**  
Quality comes first. They'll live, grow and lay. Healthiest, strongest, vigorous and full of life. Order early. Shipments when wanted. Postage prepaid. Live delivery guaranteed. Write for circular.  
**Klager's Hatchery**  
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Bridgewater, Mich.

### Michigan Accredited Class A Chicks

From well developed, strong, healthy, layers. S. C. Eng. White and Brown Leghorns; Sheppard's Anconas; R. I. Reds; and Assorted Chicks. No money down. Pay a week before chicks are shipped. 100% live delivery. Postpaid. Catalog free.

THE BOS HATCHERY, R. 2-B, Zeeland, Mich.

### Livestock—Too Late to Classify

**WHITE LEGHORN EGGS BIG DISCOUNT** if ordered now for Spring shipment. Shred by 200 to 293 egg males. Egg bred 26 years. Winners 16 egg contests. Shipped C. O. D. Catalog, special price bulletin, free. Thousands of pullets, hens, cockerels at low prices.  
George B. Ferris, 942 Union, Grand Rapids, Mich.

**REGISTERED AYRSHIRE BULLS, BULL calves, and heifers for sale.** Free from disease. Fred J. Vreeland, R2, Box 19, Wyandotte, Mich.

**For Sale—Poland China Boars** of March and April farrow. Also some choice bred gilts, due to farrow in March and April. Every one immuned for cholera. Wesley Hile, Ionia, Michigan.

**A FEW GOOD HAMPSHIRE SPRING BOARS** at a bargain. Bred gilts now ready to ship. JOHN W. SNYDER, St. Johns, Mich., R. 4.

### FARMS

**FOR SALE, 120 ACRES, GOOD LAND AND buildings.** Fair location, near Three Rivers, Michigan. Most land in alfalfa. To close estate. J. O. Schurtz, 1935 Linden Ave., Grand Rapids, Michigan.

**FOR SALE: 268 ACRE FARM, CLAY LOAM.** 20 acres maple timber; good buildings; electric plant. A big bargain at \$56 per acre. Terms. Mrs. G. Rowe, Ewart, Michigan.

**WANTED TO RENT, ON SHARES, FARM WITH tools and stock.** Albert De Vries, Dighton, Michigan.

### PET STOCK

**FERRETS, HAND TRAINED, TAME, FEMALES \$5.00. Males \$4.75.** Will ship C. O. D. Instruction book free. Levi Farnsworth, New London, Ohio.

**PURE BRED GERMAN POLICE PUPPIES** from imported sire. Price \$12 and \$15. Pine Hill Farm, Howard City, Michigan.

### LIVESTOCK

**DURO PIGS: ONE LITTER OF 8-WEEKS** old from dam and sire that weigh over 600 lbs. Price \$10.00 each. Pedigree with each one. Wisconsin Land & Lumber Company, Hermansville, Michigan.

### MATRESSES

**MATRESSES MADE ANY SIZE, LOW FACTORY prices.** Catalog free. Peoria Bedding Company, Peoria, Illinois.



### Week of February 27

THE early days of the week of February 27th will average mostly pleasant but cool to cold for the season. Towards the middle part of the week the sky will become overcast with resulting moderately heavy rain or snow. Coupled with this storm area will be strong winds that may produce local drifts which may impede traffic for a time.

Temperatures from about Wednesday to Friday are expected to average considerably above the seasonal normal. Storm conditions will abate about the same time the week ends.

### Week of March 6

Following the passing storminess of the last part of last week the weather will be generally fair. Temperatures will average about to a little below the seasonal normal.

About the middle of the week the temperatures will be much higher and will remain so until near the end of the week at which time there will be a marked drop.

While precipitation will not be heavy this week for the state as a whole there will be both rain and snow besides high winds during the last half of this week in many parts of Michigan.

### March Wet

Averaging the month up as a whole precipitation will be above the average in March for most parts of Michigan. The mean temperature for the month will range above the normal. These conditions seem to point towards an early opening of spring with sufficient moisture to give good planting conditions in April.

### SHORT COURSE IN ORNAMENTAL HORTICULTURE

THE Michigan State College has planned a short course on ornamental horticulture which will be of particular interest to amateur gardeners, according to Prof. Alex Laurie, who is in charge of floriculture at the Michigan State College. This course will be held from March 21st to 26th and it is thought many women will enroll.

The course treats the various methods for the beautification and upkeep of the home grounds as well as certain phases of more utilitarian nature, such as vegetable gardening, small fruits and tree fruits.

Actual practice in the greenhouses will be furnished as well as demonstrations, when facilities do not permit actual work by the students.

The lectures will be delivered by the members of Department of Horticulture and Landscape Gardening. Monday, 1 p. m.—"Plant Propagation," by Prof. Laurie; "Plant Propagation Laboratory," by Prof. Frost.

Tuesday, 9 a. m.—"Soils and Fertilizers," by Prof. Laurie; 10 a. m.—"Hot Beds and Cold Frames," by Prof. Edmonds; 11 a. m.—"Making the Lawn," by Prof. Laurie; 2 p. m.—"Design of Small Place," by Prof. Hyde.

Wednesday, 9 a. m.—"Roses," by Prof. Laurie; "Home Vegetable Garden," by Prof. Edmond; "Annuals," by Prof. Laurie; 2 p. m.—"Garden Design," by Prof. Hyde.

Thursday, 9 a. m.—"Bulbs," by Prof. Laurie; "Vegetables," by Prof. Starr; "House Plants," by Prof. Frost; 2 p. m.—"Trees and Shrubs," by Prof. Halligan.

Friday, 9 a. m.—"Care of Trees and Shrubs," by Prof. Kindig; "Perennials," by Prof. Laurie; "Small Fruits," by Prof. Loree; "Flower Arrangement," by Prof. Laurie; 2 p. m.—"Home Fruit Garden," by Prof. Gardner.

Oats easily rank first among feeds for light horses.

Three times a day is enough to feed young pigs.

An office in the farm home is desirable as business headquarters.

Young stock should always be kept growing during the winter.

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**CERTIFIED WOLVERINE OATS ONE DOLLAR** per bushel. Improved Robust beans, choice stock absolutely pure, seven dollars per hundred bags are free. Freight prepaid on orders of twenty dollars or over in Michigan. A. B. Cook, Owosso, Michigan.

**HARDY ALFALFA—CLOVERS AND ALL FARM** or Garden Seeds direct from growers at money saving prices. New Seed Book. Free! Farmer Seed & Nursery Co., 71 First Avenue, Fairbault, Minnesota.

**HAY WANTED, ALFALFA, CLOVER MIXED,** and clover. For sale, Palm Oil Middlings. The Hamilton Co., New Castle, Pa.

**FOR SALE, INSPECTED CUTHBERT RASPBERRY** plants, 100, \$1.50; 500, \$6.50 prepaid. 1000, \$11.00 F. O. B. St. Johns. Order early if you want some of the finest red berries grown. Write for special prices on larger amounts. Tony Motz, St. Johns, Michigan.

**MASTODON EVERBEARING PLANTS LESS** than 2c each. Why pay more. Champion Originator. Catalogue Free. Edward Lu Ke, New Buffalo, Michigan.

**GOBLES NURSERIES, GOBLES, MICHIGAN.** Very low prices, direct to farmers who need no tree agents.

**HIGHEST GRADE SEED CORN, CLOVERS,** alfalfa, timothy, soy beans, peas, etc., cheap. Send for price list. James Anthony, Moorestown, Michigan.

### POULTRY

**MEYERS "PURE BRED" CHICKS LIVE AND** healthy and vigorous. Orders booked now delivered when you want them. 100% live delivery. Postage prepaid. Four leading breeds, White Leghorns, Barred Rocks, Rhode Island Reds, White Wyandottes. Flocks culled and bred for egg production. Cert-O-Culd Chicks. Find out about our chicks before you order elsewhere. Send for descriptive circular. Meyers Hatchery, Mt. Pleasant, Michigan.

**BARRED ROCK COCKERELS AND PULLETS** laying strain. Mrs. Martin Meyers, Rt. 1, Hemlock, Michigan.

**BE QUICK, AMAZINGLY LOW CHICK AND** Egg Prices. Rocks, Reds, Leghorns, pure bred. Prompt delivery. Explanation Free. Merrill Hatchery, Merrill, Michigan.

**BARRED ROCK COCKERELS, BRED FROM** Holterman's Pedigreed Aristocrats direct. Light and dark. Price \$4.00—Two for \$7.00. N. Ayers & Son, Silverwood, Michigan.

**WE HATCH ONLY GENUINE TOM BARRON** English White Leghorns, large type, overlaying combs with egg laying qualities, none setters. Barred Rocks from M. S. C. stock. 1927 flocks headed with cockerels whose dams have official trap nest records. 203-233. M. S. C. laying contest. Free circular explaining all. Hillside Hatchery, Holland, Michigan.

**MICHIGAN ACCREDITED CHICKS, SOME** sired by 200 to 270 egg males. We purchased high class breeding stock from Hollywood's Leghorn Farm and Anderson's Ancona Farm in 1926. Get our free catalog and prices before buying elsewhere. We can save you money. Satisfaction guaranteed. M. D. Wyngarden, Zeeland, Michigan, Route B 4.

**WHITTAKER'S MICHIGAN CERTIFIED REDS.** Both combs. Trapped. Bloodtested. Michigan's Greatest Color and Egg Strain. Chicks, Eggs, Cockerels. Catalog Free. Interlakes Farm, Box 2, Lawrence, Mich.

**SINGLE COMB WHITE LEGHORN BABY** chicks—Order your chicks now and get Michigan Accredited, big type, heavy laying White Leghorns when you want them. Hanson and other leading strains in flocks. Pressley Hatchery, Ithaca, Michigan.

**WHITE LEGHORN CHICKS, EGGS, AND PUL-** lets. Ed. Kroodsmas, Zeeland, Michigan.

**ANCONA CHICKS 13c EACH, 500 FOR \$60.00.** Circular. Robt. Christophel, Holland, Michigan.

**WHITE HOLLAND TURKEYS, TOMS AND** hens. Toulouse ganders. White Pekin ducks, drakes. Alden Whitcomb, Byron Center, Mich.

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**HOMESPUN TOBACCO: GUARANTEED CHRW-** ing or smoking 5 pounds \$1.00; 10-\$1.75. Pipe Free! Pay when received. United Farmers, Bardwell, Ky.

**HOMESPUN CHEWING AND SMOKING** tobacco: five lbs \$1.25; ten \$2.00. Guaranteed. Pay when received. Pipe free for names ten tobacco users. Farmers Union, Paducah, Ky.

**HOMESPUN TOBACCO: CHEWING OR SMOK-** ing, 5 pounds \$1.25; ten, \$2.00. Guaranteed. Pay when received. Pipe free for names ten tobacco users. Farmers Union, Paducah, Ky.

**TOBACCO: KENTUCKY SWEETLEAF, SMOK-** ing-chewing, 15 lb. \$2.25. Pay when received. Ernest Choate, Wingo, Ky.

### MISCELLANEOUS

**AMERICAN CREAM SEPARATOR CATALOG** for 1927 is a valuable book for any dairyman. Tells what a modern cream separator should do; shows by pictures how the American does it. Tells about our fair trail, liberal installment terms and low attractive cash prices. Write American Separator Co., Box 326, Bainbridge, New York.

**EARN \$120 TO \$250 MONTHLY; EXPENSES** paid as Railway Traffic Inspector. We secure position for you after completion of 3 month's home study course or money refunded. Excellent opportunities. Write for Free Booklet G-165. Standard Business Training Institute, Buffalo, N. Y.

**YOUR BARREN COWS CAN BE MADE "SAFE** With Cal!" or money refunded. Remedy \$2. Booklet Free. Breed-O-Remedy Co., Box E, Bristol, Conn.

**MEN, GET FOREST RANGER JOB: \$125-\$200** month and home furnished; permanent; fish, hunt, trap. For details write Norton, 347 McMann Bldg., Denver, Colo.

**SALESMAN, AGENTS, SELL ALL-STEEL** Double-Truss Gates. Can make \$50 to \$100 week canvassing farmers. Write for particulars. MARTIN PRODUCTS CO., Martinville, Indiana.

**WE PAY \$48 A WEEK, FURNISH AUTO AND** expenses to introduce our Soap and Washing Powder. Bus-Bench Company, Dept. A-163, Chippewa Falls, Wis.

**WE PAY \$200 MONTHLY SALARY, FURNISH** car, and expenses to sell our Guaranteed Poultry and Stock Powders. Bigler Company, X326, Springfield, Illinois.

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Fill out and mail this order, with remittance, to  
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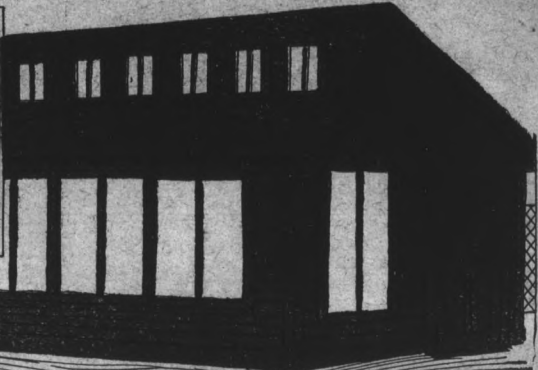
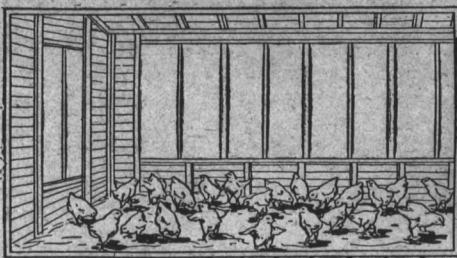


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Ultra-Violet  
Rays

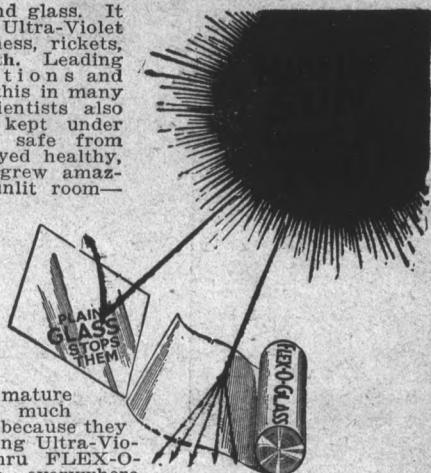
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**KEEPS**  
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**RICKETS (WEAK LEGS), DISEASES and DEATHS**

PATENT PEND. T. M. REG.



Don't keep chicks behind glass. It shuts out the sun's Ultra-Violet rays, causes leg weakness, rickets, disease and finally death. Leading State Experiment Stations and scientists have proved this in many tests. But these scientists also found that chicks kept under FLEX-O-GLASS were safe from rickets, weak legs, stayed healthy, were full of pep and grew amazingly in this warm sunlit room—because the chicks absorbed the energizing Ultra-Violet rays that FLEX-O-GLASS admitted. See the proof in center column.

These tests were made for you. Put your chicks under FLEX-O-GLASS. Prevent weak chicks, diseases and deaths in this easy way. Every chick will mature or reach frying size much sooner than ever before because they absorb the tissue building Ultra-Violet rays that pass thru FLEX-O-GLASS. Poultrymen everywhere have replaced glass with FLEX-O-GLASS, which makes use of the sunshine—Nature's only health-producer—indoors where chicks are out of slush, snow and rain. Fast, strong chick growth will actually amaze you. Just build a FLEX-O-GLASS scratch shed easily and replace all poultry house windows with FLEX-O-GLASS. The results will be astonishing. Use 15 yards for 300 chicks. This cozy sunlit brooder-house will pay for itself many times the first season alone and next winter keep your hens in it. The Ultra-Violet rays will keep them healthy and active, stimulate the egg glands and make them lay to the limit in coldest weather.



**What Ultra-Violet Rays Will Do**  
See the two chicks above. They illustrate the difference in growth obtained by depriving chicks of Ultra-Violet Rays, and by keeping them under FLEX-O-GLASS. State Experiment Stations and thousands of poultrymen have proved this since FLEX-O-GLASS was originated. You can too. Take two chicks from the same hatch. Feed them the same. Deprive one of Ultra-Violet Rays. Put the other under FLEX-O-GLASS. At 10 weeks, the latter will be two to three times the size of the former. Read what leading U. S. authorities say about Ultra-Violet Rays and FLEX-O-GLASS.

## PROOF

**IOWA STATE COLLEGE** states: "Believe your product (FLEX-O-GLASS) far superior to common glass for enclosing chicken houses for winter and brooderhouses."

**OHIO STATE EXPERIMENT STATION**, upon completing a ricket test reports: "Enough of the effective Ultra-Violet rays were transmitted to offer protection against leg weakness."

**KANS. STATE EXP. STATION** says: "Up until 2 years ago no one understood the value of Ultra-Violet Rays. Some excellent results have been reported by practical poultrymen who have used glass substitutes, which will allow the passage of the health-giving portion of sunshine to a considerable greater extent than glass."

**DR. MORSE**, for 45 years Consulting Chemist of Connecticut says: "Congratulations are due you. Your statements I heartily corroborate because the Ultra-Violet rays which penetrate FLEX-O-GLASS makes hens healthy, chemically active and increases oxygenating power of the blood."

**"CANADA AGRIC. COLLEGE** of Man. reports: FLEX-O-GLASS is standing up fine under test conducted this winter," says Mr. Otto.

## Use Only FLEX-O-GLASS

Folks have always had poor luck with chicks when kept behind plain glass. The reason was not known until a few years ago. Scientists found that chicks, pigs and many plants eventually died and hens quit laying when deprived of Ultra-Violet rays, and plain glass shut these rays out. Therefore Mr. Warp originated FLEX-O-GLASS to admit these needed rays, which he perfected after much research and experimenting. He found it could be manufactured much cheaper than glass. FLEX-O-GLASS was the first and original Ultra-Violet ray filter advertised years ago, and Mr. Warp still has charge of the manufacture of this most durable health-producing product. He stands back of every word on this page. Why chance a substitute or imitation when the genuine, time tested FLEX-O-GLASS costs no more, which is registered in the U. S. Patent Office. Thousands of people have replaced plain glass windows with health-producing FLEX-O-GLASS. It scatters healthful light to every corner of the room, causing wonderful growth. It is highly recommended by Best Authorities. Millions of yards are now in use.



## Just Cut with Shears and Nail On

FLEX-O-GLASS is very easily installed. Comes in one piece 3 feet wide any length desired. Just cut to size with ordinary shears, nail on and the job is done. It is absolutely weather-resisting, transparent and waterproof. Looks neat and attractive. Lasts for years.

## Genuine FLEX-O-GLASS is GUARANTEED Most DURABLE

FLEX-O-GLASS, the Original product advertised for admitting Ultra-Violet rays is unequalled. Genuine FLEX-O-GLASS always has been and today made on a stronger, better cloth base specially processed to withstand all kinds of weather. That's why it lasts for years, always lies flat and stays bright. FLEX-O-GLASS even looks fresh and new after many seasons of exposure to wind, rain and snow. Don't confuse it with inferior materials. State Experiment Stations tested FLEX-O-GLASS thoroughly before recommending its use. FLEX-O-GLASS with amazing results everywhere, for replacing glass at only 1/8 the cost. In fact, it costs only 3 1/2 c a square foot, postpaid. Order Genuine FLEX-O-GLASS today at our risk—direct from the factory and save money. Mrs. T. J. of Nebr. writes: "When FLEX-O-GLASS is installed beside another, it speaks for itself."

## PRICES--All Postage Prepaid

Per yd. 36 inches wide: 1 yd. 50c; 5 yds. at 40c (\$2.00); 10 yds. at 35c (\$3.50); 25 yds. at 32c (\$8.00); 100 yds. or more at 30c per yard (\$30.00).

## SPECIAL TRIAL OFFER

15 SQUARE YARDS POSTPAID FOR \$5

The FLEX-O-GLASS MFG. CO. will be refunded by the FLEX-O-GLASS MFG. CO. without question. You take no risk.

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It takes only 6 hours for a letter to come from Detroit, Mich., to Chicago. Within 24 hours your Flex-O-Glass leaves the factory.

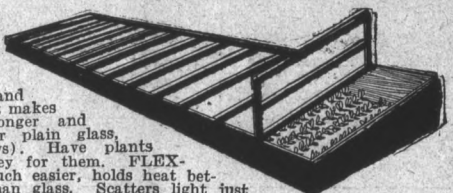
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FLEX-O-GLASS MFG. CO., Dept. 416  
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Find enclosed \$5.00 for which send me 15 yards of Flex-O-Glass 36 inch wide, by prepaid parcel post. It is understood that if I am not satisfied after using it for 30 days I may return it and you will refund my money without question.  
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R. F. D. \_\_\_\_\_ State \_\_\_\_\_

## Better Than Glass for HOT BEDS

Gardeners—get stronger bigger plants that will grow when transplanted. Because FLEX-O-GLASS admits concentrated Ultra-Violet rays and Infra-Red (heat) rays, it makes plants grow much stronger and faster than when under plain glass. (Glass stops these rays). Have plants earlier. Get more money for them. FLEX-O-GLASS is installed much easier, holds heat better and costs far less than glass. Scatters light just as needed. Does not chill like glass. Frames are lighter and easier to handle. 15 yards of FLEX-O-GLASS covers a hot bed of 135 sq. ft. Ideal for greenhouses.



## Enclose Porches and Storm Doors



Just nail FLEX-O-GLASS over screen porches and storm doors. Changes snow trap into healthful sunroom for children's playhouse, cheaply. Fine for sleeping porches. FLEX-O-GLASS is also used on ordinary curtain rollers to diffuse healthful light to every corner of the room. Actually makes room much lighter.

## Millions of Yards in Use---Read What Users Say

Hundreds of Letters Received Daily Prove FLEX-O-GLASS Best

Hoffman Poultry Farm of Indiana writes: "We used FLEX-O-GLASS on our brooder-houses this spring and were very well pleased. We placed it by the side of one window that was covered with (another product). The difference in the color of the light was quickly noticeable. But one very convincing argument was that the chicks piled up in front of the FLEX-O-GLASS window, leaving the space in front of the other entirely empty. The FLEX-O-GLASS looks as well at the end of the season as it did at the first, while the other material is decidedly worn. I thought perhaps these observations of ours might be of interest to you."



**FOR PIGS**  
"FLEX-O-GLASS works wonders for little pigs."—A. P. Nave of Ore.

**WANTS MORE**  
"Enclosed find five dollars for which please send 15 yds. more of your Flex-O-Glass. It certainly is fine stuff for hen houses and cold frames."—Frank E. Holm & Son, Nantucket, Mass.

**IT'S GREAT**  
"Your Flex-O-Glass is great. Please send me 10 yards more."—Cora E. Harding, Owego, N. Y.

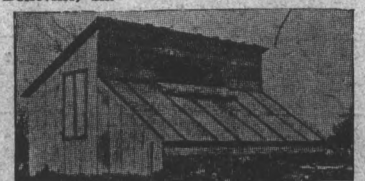
**KNOWS WE'RE RIGHT**  
"I used some Flex-O-Glass last year, think it all you claim."—M. D. Reed, Utica, Ohio.

**WONDERFUL!**  
"This is my second order. I think it is wonderful."—Mrs. E. Smith, Pleasantville, N. J.

**Superior to Glass**  
"I put FLEX-O-GLASS alongside of a glass window last summer. I found it superior to glass for light. I have had enough experience in the use of FLEX-O-GLASS to give advice to people I meet. I do not hesitate selling anything that has merit."—T. S. Baird of N. Y.

**HERE'S PROOF**  
"I have used Flex-O-Glass for a year and like it fine. My father had about 50 hens but no Flex-O-Glass and he got 3-5 eggs a day during the cold, while I had 12 hens and I got 8-10 eggs a day with Flex-O-Glass during the coldest weather. Please send me 15 yds. more immediately for a scratch shed."—Minnie Foster, Schaghticoke, N. Y.

**IT'S O. K.**  
"Enclosed please find \$30.00 in Post Office money order for which please send me 100 yards of your Flex-O-Glass. Your Flex-O-Glass is O. K. My chickens are doing fine. Scratching and singing all day long, and laying too. I expect some of my neighbors will send in for Flex-O-Glass by the way they talk."—John Westwood, Belleville, Ill.



**GOOD STUFF**  
"I sent last year and got 135 sq. ft. of Flex-O-Glass and found it very good stuff."

so am building a new scratch pen and I need some more."—Geo. Koontz, Cumberland, Md.

### GETS MORE EGGS

"Received my shipment of Flex-O-Glass O. K. and wish I had ordered it sooner. Put it on the henhouse and in less than two weeks my egg production has increased 50% and still going up. Count on me for a bigger order next fall."—John H. Lord, Revere, Mass.

### A REAL BOOSTER

"I am enclosing check for \$30. Send me 100 yds. of Flex-O-Glass at your earliest convenience. I had a \$5.00 roll from you a year ago. I think I will want another 100 yds. after I see how far this hundred goes. It's for covering hen yard to keep out rain and snow."—R. H. Small, South Harwich, Mass.

### THE BEST

"Enclosed please find check for \$19.60 for your invoice No. 1-117,448. We like this material far better than anything similar we have tried."—H. W. Bingham, Hartwell, Ga.

### HIS THIRD ORDER

"Enclosed find check for \$3.50 for which send me ten yards of Flex-O-Glass. The other two shipments proved very satisfactory indeed. It is all you claim for it."—F. B. Hammond, St. Petersburg, Fla.

### EXCELLENT

"I have used your Flex-O-Glass which I bought from you this spring and have found it excellent for my poultry house."

**FLEX-O-GLASS MANUFACTURING CO.**

1451 N. CICERO AVE.

Dept. 416

CHICAGO, ILL.