

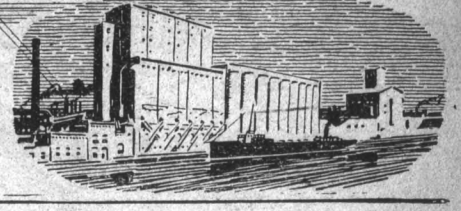
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FEBRUARY 13, 1926

The Michigan BUSINESS FARMER



*An Independent
Farm Magazine Owned and
Edited in Michigan*



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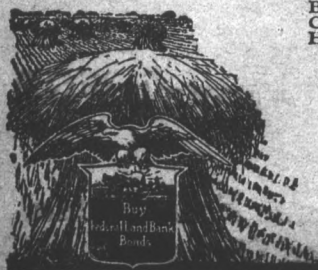
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SCHOOL OF COOPERATION DURING FARMERS' WEEK

SPONSORED by the Michigan Farm Economics Association the "school of cooperation" brought together officers, directors, managers, and individual members of cooperative organizations. This school differed from a conference in that a definite outline was followed and a definite series of lectures, or talks, were given by men prominent in cooperative affairs. These men gave an inspiration toward cooperation as well as a wealth of information and experience concerning the work. Men interested primarily in marketing of fruit listened to men who are concerned mainly with bean marketing. Each gained from the experience and suggestions of the other. It was indeed a most excellent way in which to bring out the general principles of cooperation which apply to all such organizations.

Mr. C. L. Christensen from the Bureau of Agricultural Economics, Washington, D. C. and Walter Peteet, Secretary of the National Council of Farmers Cooperative Marketing Associations, brought the national viewpoint of cooperative affairs. Michigan's great federated marketing organizations were represented by H. L. Barnum of the Michigan Potato Growers Exchange, B. F. Beach, Ass't. Sec'y. of the Michigan Milk Producers Ass'n., L. E. Osmer, Manager of the Michigan Elevator Exchange, and F. L. Granger, Sales Manager for the Michigan Fruit Growers, Inc. No less interesting were the talks given by managers of local cooperative organizations and by individual members of locals. The whole school is bound to improve and further farmer cooperation in Michigan.—C. K.

LIVESTOCK JUDGING CONTEST

THE livestock judging contest, first used in connection with the 1924 Farmers' Week, steadily gains in popularity. This year over 200 contestants took part during the two mornings. Each contestant judges rings of dairy cattle, beef cattle, horses, sheep, and swine. To be able therefore to win is proof of all-around ability as a judge.

On the basis of work done in all the classes the following were winners: First, Fred Hampton, Bellvue; Second, Ferris Foster, Rives Junction; Third, E. M. Moore, Mason; Fourth, F. Weifenbach, Beulah. Winners in the horse judging were: First, F. D. King, Charlotte; Second, S. H. Pangborn, Bad Axe; Third, Sherman Reed, Richland.

Beef cattle judging winners were: First, Ray Wonsler, Mulliken; Second, Fred Weifenbach, Beulah; Third, S. H. Pangborn, Bad Axe.

Winners in the dairy cattle judging were: First, Robert Hunt, Eaton Rapids; Second, H. Taylor, Coral; Third, W. Lutz, Saline.

The following won in sheep judging: First, Floyd Cannaday, Eaton Rapids; Second, H. C. Skinner, Diamondale; Third, Kenneth Wagar, Carleton.

In the swine judging the winners were: First, Ferris Foster, Rives Junction; Second, C. E. Mattoon, Durand; Third, Ernest Barnard, Portland.—C. K.

HOMEMAKERS CONFERENCE

THIS year saw a larger enrollment than ever before in the portion of Farmers' Week devoted to homemakers. At each session the Little Theatre in the Home Economics building filled with women who were intensely interested in better things for the home.

As usual the topics for this conference dealt, to some extent, with foods, diet, nutrition, clothing, and sewing but considerable time was also given to other topics which are of vital interest. Teachers from the Merrill-Palmer school, Detroit, discussed such topics as, "The Nursery School", and "Habit-Training for the Pre-School Child", "Innocent Disease Carriers" was discussed by Dr. Olin of the State Health Department. Music appreciation was also an interesting and profitable part of the programs.—C. K.

Enclosed please find \$2.00 as renewal subscription to your most excellent paper. I would be depriving myself of a great pleasure if it was discontinued.—A. F. Kuhnle, Ohio.

I want to say I appreciate "Our Farm Paper" and am highly pleased with it.—H. M. Vixie, Berrien County.

The Michigan BUSINESS FARMER

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Annual State Farm Bureau Meet Big Success

Splendid Addresses, Consideration of Resolutions, Complete Reports, Big Banquet
and Dance Feature Two-Day Session

By STANLEY M. POWELL

Lansing Correspondent of THE BUSINESS FARMER.

THERE is no question but what the 1926 Farmers' Week was the greatest ever held at East Lansing. It was appropriate that the Eighth Annual State Farm Bureau meeting held in connection with this Farmers' Week should eclipse all former annual meetings of this farmers' organization. From point of view of numbers, loyalty, optimism, noted speakers and social good time, new and unprecedented records were set.

High points in the two-day session were the very complete annual report presented by Secretary-Manager C. L. Brody, an address by Sam H. Thompson, president of the American Farm Bureau Federation, the consideration of resolutions, the election of officers for the coming year, the first annual Farm Bureau banquet with after-dinner addresses by Lucius E. Wilson of Chicago, President of the General Organization Company, and Mrs. Charles W. Sewell, chairman of the Home and Community Work of the Indiana Farm Bureau, and the old-time dance following the banquet program, with an orchestra headed by "Jep" Bisbee furnishing the music.

Delegates and other Farm Bureau members attending the annual convention filled the large assembly room on the fourth floor of the Agricultural Building to overflowing.

The special attraction for the Thursday afternoon meeting of the Farm Bureau convention was the address by Sam H. Thompson of Illinois, president of the American Farm Bureau Federation.

Summarizes Agricultural Conditions
President Thompson made a statesmanlike summary of agricultural conditions and touched upon the agitation for legislation to deal with the problem of agricultural surpluses. He declared:

"The American farmer must get an American price for his products if he is to longer maintain an American standard of living. In the A. F.

B. F. office we are devoting every energy to find a solution to this problem. We are not stubbornly demanding any one plan. We are eagerly studying every proposal that is made. And out of all this agitation is coming consciously or unconsciously a new agricultural policy to replace the old one, which is so badly out of joint with the world about us. The degree to which the farmers of the land are able to influence the nation in the adoption of that policy depends entirely on the extent to which they are organized, and speak with a united voice on their problems."

The Secretary-Manager's report presented by C. L. Brody was characterized by an evident desire to give the delegates and other members a complete understanding of the affairs of their organization, its achievements, the difficult problems with which it has to deal and the present status of the organization.

Brody Reviews Past Year

Reviewing the past year, Mr. Brody said: "No other year in Farm Bureau existence has been more fruitful in developing in our departments, county and local organizations, and in the members themselves the ability to intelligently analyze the problems of the farmer and his organization. The activities of the Farm Bureau, from the member through the county and state organizations to our American Farm Bureau Federation, are now prompted by sound and seasoned judgment, to a degree that was an impossibility in the earlier days of the Farm Bureau."

Mr. Brody declared that the strength of the Farm Bureau movement is measured by two things—membership and morale. He said: "The membership is the source of the physical and spiritual susten-

ance of the Farm Bureau. It produces financial food in the way of membership dues and creates an interest and morale in the minds and hearts of thousands of Michigan farmers and their families, who collectively constitute the very soul of the Farm Bureau."

"The finances, of course, are important and absolutely essential, but what is of more fundamental concern is the proper preparation of the individual and his consecration to the duties, obligations, and opportunities of Farm Bureau membership. The volunteer workers' membership campaign accomplishes both these objects simultaneously, and, as is the case with Chambers of Commerce and numerous organizations in other walks of life, there is now no question that the membership campaign will be a permanent function in the life of the Farm Bureau."

It was significant of the enlarged program of the Farm Bureau movement in Michigan that at this Eighth Annual Meeting a birthday party in the form of a banquet and old-time dance was staged for the entertainment of the delegates and other members. This party was held Thursday evening in the new Union Memorial Building at the College, and was attended by 722 Farm Bureau boosters from all parts of the state.

The first after-dinner speech was given by Lucius E. Wilson of Chicago, president of the General Organization Company, and was broadcast over the College Station WKAR. He traced the history of the Farm Bureau movement, and showed how at first it was interested solely in production problems, but that later it had taken up the matter of marketing, and now had enlarged its program to take in a broader field of interests.

The second speech on the banquet program was given by Mrs. Chas. W. Sewell, chairman of the home and community work of the Indiana Farm Bureau Federation. Mrs. Sewell chose as her topic "Why I am glad I married a farmer." Her address was filled with sound philosophy and high idealism, but it is unquestionably true that it was her wonderful personality and the fact that she spoke out of her own experience that made her words sink so deep in the hearts of her hearers.

Following the banquet speeches, the chairs and tables were removed and "Jep" Bisbee, Michigan's champion old-time fiddler, and his orchestra furnished the music for one of the most enjoyed and unique dancing parties ever held. The spacious Union ball-room proved all too small for the Farm Bureau people who wished to participate in the revival of the oldtime steps.

Adopt Resolutions

Practically all of the Friday forenoon session was devoted to the consideration of resolutions which will embody the Farm Bureau's program for 1926. The carefully prepared report of the resolutions committee was adopted without any great change although many of the planks precipitated considerable discussion. The outcome of the consideration of these matters was the adoption of 38 resolutions comprising the Bureau's stand on state and national legislation, and other issues of vital concern to agriculture.

In matters of national legislation the delegates urged the prompt completion of the Great Lakes-St. Lawrence Waterway project; protested against further diversion of Lake Michigan water through the Chicago Drainage Canal; urged energetic enforcement of the prohibition law; favored the national standard container bill; the Capper Truth-In-Fabrics bill; the Gooding-Ketchum bill requiring the staining of red clover and alfalfa seed to show or-

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Michigan Horticulturists Dedicate New Building and Hold Show

By HERBERT NAFZIGER

Editor Fruit and Orchard Department, THE BUSINESS FARMER

"THE new Horticultural Building is finished and we are proud to say that it is the finest and best equipped of its kind in the United States." This statement by Dr. V. R. Gardner of M. S. C. gave expression to the feeling of pride with which the members of the Michigan State Horticultural Society gathered at M. S. C. on the morning of February 3rd for the first meeting ever held in the new horticultural building.

The building, with its excellent equipment, owes its existence to the influence of the Horticultural Society and to this organization's demand for improved experimental facilities at M. S. C. for the betterment of fruit growing in Michigan. Especially to be remembered, in this regard, is the enthusiasm and persistence of the late T. A. Farrand, former secretary of the Society, to whom, in the eyes of many, the building stands as a memorial.

Consequently "it is altogether fitting and just" that the Michigan State Horticultural Society should be allowed the honor of holding a meeting, in this house of its own creation, before the formal dedication of the building.

The meeting was typically business-like and profitable and was held in a model lecture-room seating over 300 people, which is called the Horticultural Auditorium.

"Pollination." What does that

word signify to Michigan fruit growers?

Professor E. C. Auchter, of the University of Maryland, says it may mean the difference between profitable, fruit laden trees and complete crop failure.

In our older orchards, Professor Auchter points out, the matter of blossom fertilization was not a serious problem, due simply to the fact that these orchards contained many varieties and inter-pollination was thus easily accomplished. The modern fruit grower, however, knowing that it does not pay to plant many different varieties often goes to the other extreme of planting large blocks solidly to one variety. Professor Auchter stated that there is grave danger in this practice and cited many actual instances where it has resulted in complete crop failures.

Some Varieties Self-Fertile

Some varieties are self-fertile, having the power of setting fruit with their own pollen. Others are self-sterile, being unable to set any fruit without pollen from another variety and between these two extremes are many which are partially self-fertile and may set a light crop with their own pollen. All varieties said Prof. Auchter, even the self-fer-

tile one are improved both as to setting and quality by interpollination.

By way of complicating this already complicated problem certain varieties are inter-sterile; that is they cannot fertilize each other and may yet be good pollinizers for many other varieties.

"Phew!" says the average fruit grower, "How are we going to sidestep all of these snags?"

The only way, states Professor Auchter, is by careful experimental work and much valuable work of this kind has already been done. In hunting a pollinizer for a certain variety, the problem is to find another variety which blossoms at the same time, is a good pollen producer, and has an affinity for the variety to be pollinized.

Some of the apple varieties which have been found to be self-sterile are Delicious, Cortland, Golden Delicious, Gravenstein, King David, McIntosh, Opalescent, Stayman Winesap, Wolf River, Rhode Island, Greening, Twenty Ounce, Northern Spy, Ben Davis, Roxbury Russet.

Some of those declared self-fertile are Grimes Golden, Maiden Blush, Early Harvest, King, Yellow Transparent, Wealthy, Yellow Newtown.

Among those which are partially

self-sterile are, Baldwin, Johnathan, Gano, Duchess, Red Astrachan, Canada Red, Wagener.

The following were declared good pollinizers for the Northern Spy: Early Williams, Mother, Delicious.

For McIntosh: Delicious, Grimes Golden, King, Mother, Delicious.

For Johnathan: Delicious, Grimes, McIntosh, Wagener, Duchess, Wealthy, Winter Banana, Yellow Transparent.

For Delicious: Grimes, Johnathan, Wealthy, Yellow Transparent.

For Stayman Winesap: Grimes, Johnathan, Wealthy, Delicious, McIntosh, Yellow Transparent.

Grimes Golden was declared to be a very good pollinizer for most varieties, while Stayman Winesap is a poor pollinizer for all varieties.

Professor Auchter cited one case in which three trees of Stayman Winesap properly pollinated produced more fruit than a 50-acre block which had no other varieties to fertilize the blossoms.

As an emergency measure it was declared advisable to cut flowering branches and set them in pails of water here and there in the orchard together with hives of bees to carry the pollen. For permanent results top-work at least one out of every thirty trees in the orchard to a good pollinizer.

As an aid to pollinization the growers were warned not to depend

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Over 7,000 Farmers Attend Farmers' Week

Annual Event at M. S. C. Declared "Best Ever Held" by Visitors at East Lansing

By CARL H. KNOFF

CHARACTERIZED by all as "the best Farmers' Week that Michigan has ever seen," the 1926 event was held February 1 to 5 at East Lansing.

From all parts of Michigan they came, some seven thousand farmers, farmers' wives, and their boys and girls, to attend the annual Farmers' Week at East Lansing. As usual, the hospitality of the Michigan State College was complete. Laboratories, shops, class rooms, barns, greenhouses, radio room, in fact all buildings, were thrown open for the convenience and entertainment of the thousands of visitors.

Each year sees a new building added to the group of splendid buildings now adorning the campus. This year there were two such newly completed structures, the Union Memorial building and the Horticultural building. The Union Memorial building, as its name implies, is a memorial to the men of Michigan State College who served in the great world war and particularly to those who made the supreme sacrifice in that conflict. The Union building is a gift from thousands of alumni, former students, and friends of the college, whose contributions built and furnished the building. Standing just to the east of the entrance to the college, the Union building was a service center for the thousands of visitors. In it were the Grange headquarters and also the School of Methods conducted by that organization.

Farmers' Week programs are never the same. Each year sees the emphasis placed on different subjects. The high lights for 1926 were Fairs, Livestock and Horticulture. While these constituted the main themes, almost every branch of Michigan agriculture was reached in some worthwhile address or discussion.

Special mention should be made of the entertainment furnished on the various programs by the students of Michigan State College. The college band, the college orchestra, the glee club, the varsity quartette, and numerous vocal and instrumental numbers added greatly to the enjoyment of the programs and also brought to notice the fact that the college is giving many of its students training in many arts other than those included in the regular academic courses.

The afternoon general session on Tuesday began with the topic, "The Future Horse," discussed by Ralph S. Hudson, Superintendent of the college farm and also of the horse department. Mr. Hudson pointed out the fact that Michigan's horse population had dropped from 606,000 in 1920 to 495,000 in 1925, a decrease of about 18 per cent in the 5 years. This same condition is said to prevail in all parts of the United States. Few colts are being reared and where there were, in 1920, about two million horses less than 2 years of age in the United States, the number of young horses had dropped in 1925 to less than one million. Mr. Hudson pointed out that there is no longer much demand for the dual purpose horse as the truck and auto has taken the place of the light horse. He advised the raising of horses which would weigh 1500 to 1700 pounds. The whole United States is facing an acute shortage in heavy horses and this kind is certain to bring a high price. Mr. Hudson urged Michigan breeders to take advantage of the present opportunity of making good profits by producing the type of horses which will soon be in great demand.

An optimistic note was sounded on the same program by Dean R. S. Shaw of the M. S. C. It was pointed out that the great diversity of Michigan agriculture saved it from greater losses during the post-war depression and that the same factor is now helping it to build up more rapidly than other states. "I am optimistic about the prospects for agriculture," said Dean Shaw, "I do not expect to live to see a better opportunity for purchasing good farm lands than has existed during this and the past year." In 1925 it

was found that Michigan had 15,000 less farms than in 1910 and 4,000 less farms than in 1920. Dean Shaw accounted for this decrease in farms by saying that present farm owners are buying up other farms and consolidating them with their present holdings.

He considers that this trend to increase the size of the average farm is a good one because it permits a diversity of crops which is not possible on the farm of 90 to 100 acres. Another hopeful thing for Michigan was seen in the fact that of the 192,000 farms in the state 161,000 are owned by the man who operates them. In the past year the number of farms in Michigan operated by managers has decreased 50 per cent. Dean Shaw further advised that farmers go slow on buying so long as the farmer's dollar, expressed in the value of his products in comparison with other prices, is worth only 86c.

"Signs of the Times in Animal Husbandry," was the subject of an address by W. C. Coffey, Dean and Director of Agriculture for the University of Minnesota. He characterized the recent depression as an "economic cyclone," one of which invariably follows every war. "Shall we build again on the devastated areas?" is the question which American farmers are now asking. Dean Coffey pointed out the need for using good land only and for efficient methods of production as there is no room for carelessness under present economic conditions. In the livestock industry the need for combining utility and show ring standards, for prolificacy, disease control, and quality was emphasized. Dean Coffey commended especially cow testing associations and cooperative marketing. "One of the great needs at the present time," he said, "is education." In this connection he pointed out the great work of the boys' and girls' clubs in the United States.

Fair Day

While fairs of various kinds receive occasional mention on Farmers' Week programs there has never, at least in the last decade, been a program devoted entirely to the affairs of fairs. The 1926 M. S. C. Farmers' Week program did even better than this and gave an entire day for the discussion of fairs, both county and state, and methods for improving them and making them of greater service to the public.

The general session on the afternoon of Fair Day Wednesday, brought out a huge attraction and by the time his excellency arrived the building was packed with Farmers' Week attendants.

On the afternoon program was Dean R. S. Shaw who warned his hearers that the college cannot begin to do all of the things which the various fairs are asking of it. He suggested that fairs make use of the material right at hand, either in their own counties or in adjoining counties, such as certified seeds, better livestock, and cow testing association exhibits. He urged that

the help of county agricultural agents be enlisted and also pointed out the value of exhibiting the work of the Boys' and Girls' Clubs.

Speaking on the same program, Pres. K. L. Butterfield gave as the outstanding characteristics of the fairs of 40 years ago the following four points; 1, Education, through seeing; 2, Competition, as a spur toward improvement; 3, Festival, the good time feature; 4, Speeches, usually given by prominent men.

Dr. Butterfield expressed the thought that possibly some of these old time features might be emphasized in the present day fairs. Some of the modern fair attractions were classed as bad, cheap and vulgar and it was suggested that games, athletic meets, etc. could be substituted for the former to good advantage. Professional exhibitors were said to injure a fair because they discourage the amateur exhibitors who are obliged to show in the same classes. Dr. Butterfield closed by stating that fairs, as a means of education, have come to stay and urged that the festival idea be given greater prominence.

The huge crowd gave Gov. A. J. Groesbeck a hearty reception when he rose to speak. The governor disposed of the state fair topic about as abruptly as he handled the recent state fair situation. "After 3 of 4 years study," said he, "we came to realize that the state fair needed a thorough house-cleaning—and it got it." The governor then launched into a discussion of state affairs.

T. H. Broughton, Director of the Bureau of Dairying, appeared for L. Whitney Watkins, Commissioner of Agriculture, who was ill. Mr. Broughton stated that the reorganized Board of State Fair Managers is anxious to do everything possible to build up the Michigan State Fair and that the new managers will give personal attention to its direction. Committees on Finances, Concessions, Agriculture, Industry, and Public Relations, have been appointed to handle those matters. The state fair grounds have been opened to the public and skating rinks have recently been constructed. Mr. Broughton also stated that the premium lists are now being revised and urged that all who are interested would give suggestions for improving the lists.

Michigan will entertain the National Dairy Show at Detroit on October 9 to 16, 1926, according to Prof. O. E. Reed, head of the M. S. C. Dairy Department. Prof. Reed pointed out the great opportunity which this gives to Michigan both to stimulate and build up its dairy industry and also to advertise to the world its dairy products and its dairy cattle.

Chester M. Howell, Secretary of the Michigan Association of County Fairs, described a fair as "the show window of all that is good, interesting, and educational in agriculture and industry." By authorization the legislature is now expending \$75,000 annually as aid to county fairs and an additional \$75,-

000 as an aid for the state fair. Of the latter amount \$50,000 is used entirely for premiums.

Features of Banquet

"Fairs" continued to be the main topic of discussion at the "Greater Michigan" banquet held Wednesday evening. Over 700 persons crowded the banquet room of the Union Memorial building in one of the largest banquets ever held on the campus. Prof. J. F. Cox, toastmaster, introduced Pres. Butterfield who in turn introduced Gov. Groesbeck. The governor confined his discussion almost entirely to matters of highway construction and the special session.

One of the features of the evening

One of the features of the evening was the talk by Mr. Ira H. Butterfield, father of Pres. K. L. Butterfield. Mr. Butterfield spoke of "Fifty Years Experience with Agricultural Fairs." As he was for 30 years a member of the State Fair Board, and was for 15 years its secretary, Mr. Butterfield was well fitted to discuss his topic. He traced the development of the Michigan State Fair, beginning with its organization in 1849. During its 76 years the Michigan State Fair has been held at various points in the state, including Battle Creek, Kalamazoo, Grand Rapids, Pontiac, Saginaw and Adrian, in addition to Detroit. Mr. Butterfield told of the time when the state fair had scarcely more than 100 exhibits entered, when its admission was only 12½ cents and the total gate receipts were slightly in excess of \$2,000. He expressed the hope that the state fair would see even greater development in the future that it might be a still more important factor in improving Michigan's agricultural industry.

Short talks relating to the Michigan State Fair were made by several leaders representing various farm organizations as follows: Michigan State Farm Bureau, M. L. Noon; Michigan State Grange, A. B. Cook; U. S. P. Development Bureau, G. E. Bishop; Michigan State County Fair Association, Fred Chapman; Michigan Crop Improvement Association, Garfield Farley; Michigan State Horticultural Society, H. E. Newton; N. E. Michigan Development Bureau, T. F. Marston.

Talk on Corn Borer

The general program for Wednesday included a few interesting talks which did not relate directly to fairs. One of these was on the "Corn Borer" by J. H. Carmon representing the U. S. Department of Agriculture. He traced the spread of this pest from its introduction in Boston about 1909 or 1910, through Massachusetts, New York, Pennsylvania, Ohio, and finally to Michigan. In 1920 the borer was identified in Canadian provinces bordering on Lake Erie and the pest is now doing immense damage in that country. Mr. Carmon described in detail the life history of the borer and also methods for its control. He stated that work is now being done by the U. S. Department of Agriculture, and by implement manufacturers, to perfect machinery to assist in borer control. To date, two such machines have been developed. One is a corn husker with a cutting and shredding head while the other is a stubble beater which tears the standing into shreds. Mr. Carmon stated that Michigan is in danger of having a larger increase in corn borer infestation than any other state for the next few years. This is due to our close proximity to Canada where the actual loss in 1924 was over 25 per cent of the entire crop. He stated that the infestation in Michigan would range from 1 per cent as a minimum to 14 per cent as a maximum with 3.2 per cent as an average for the infested fields.

From the state of Massachusetts came John D. Willard, Director of Extension, who spoke Wednesday evening on "Continuing Education." Director Willard pointed out that one of the first acts of the early American colonists was to set up a system of education. He called attention to the night schools, the Americanization classes, and the

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Hillsdale Farmer Champion Corn Grower

ERNEST GILBERT of Waldron, Hillsdale county farmer, was the champion corn grower in Michigan in 1925.

He produced 112 bushels of shelled corn to the acre in the statewide contest under the point auspices of the Michigan Crop Improvement association and Michigan State college. Announcement of the winners was made Thursday at the general Farmers' Week session at the college by Prof. R. D. Rainey of the farm crops department.

Gilbert's crop is equivalent to 224 bushels of ears to the acre and it is doubtful whether many farmers in the corn belt states obtained a larger production.

Willard Hilton of Coldwater, a Branch county farmer, was second. His crop went 105 bushels of shelled

corn to the acre, equivalent to 210 baskets of ears. Paul Clement of Britton had the third highest yield, his crop going 100 bushels of shelled corn to the acre.

Under the rules of the contest, however, the highest yields to the acre were not the chief factors in determining the contest winner. Each contestant was required to keep an accurate record of his production cost and the awards were made on the basis of lowest net cost a bushel. The records covered a five-acre plot.

Mr. Gilbert had the lowest bushel cost as well as the largest yield. Second lowest bushel cost was reported by George Putnam of Britton, but he was not second highest in production. Paul Clement was third lowest in cost and third highest in production.

THRU OUR HOME FOLKS' KODAKS



SOME BEAR!—Caught by Will and Cap Shellenberger, Hale. Photo by Mrs. R. Wilson, Hale.



THE MAILMAN.—"This is the way I deliver The Business Farmer over the snowdrifts on Route 5 out of Newaygo," writes Eugene W. Holton, rural carrier.



PALS.—"My granddaughter, Johann Crandall, with her pony." From D. E. Crandall, Grawn.



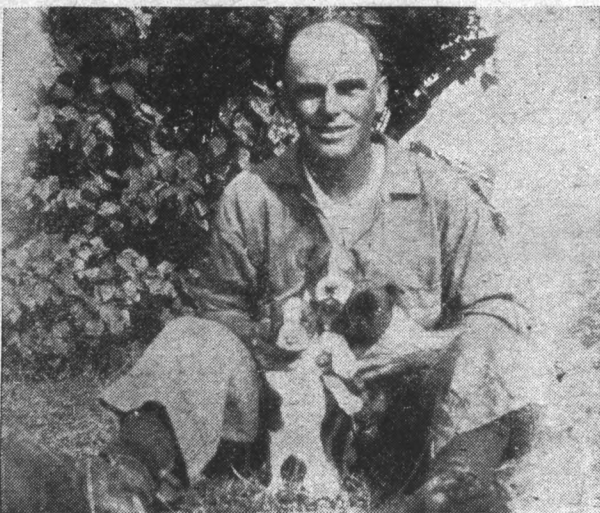
HELPING FEED THE PIGS.—The small grandson of W. M. Theil, of Reed City, likes to help feed the pigs and do the other chores about the farm. He says he is going to be a business farmer.



"LOOK OUT, HERE I COME!"—This husky looking young man is the son of Mr. and Mrs. Neale Cook, of Marion. He is having a great time coasting down hill.



MOTHER'S HELPERS.—"A picture of my two helpers, my daughters," writes Mrs. Orville Miller, of Middleton. The expressions on their faces indicate they enjoy their work.



JUST OLD ENOUGH TO GET INTO MISCHIEF.—The three pure-bred Boston bull puppies are being held by their owner Jay Ransom, of Bloomingdale. Mrs. Ransom sent the picture. Is there anything more mischievous than a puppy.



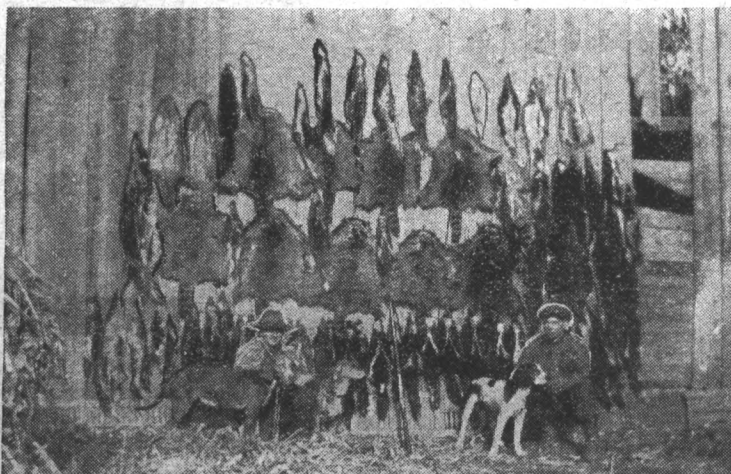
A NEWCOMER.—The colt Miss Edna McLean, of Linden, is standing beside is only two days old, and Miss Edna seems to be teaching him the ways of the world. He will learn rapidly with such a pretty teacher. The picture was sent in by Fred McLean.



"HELLO FOLKS!"—This is two farm cousins, Audrey Clark and Max Canfield, having a good time and we are indebted to Mrs. Ira Clark, of Alma, for this picture.



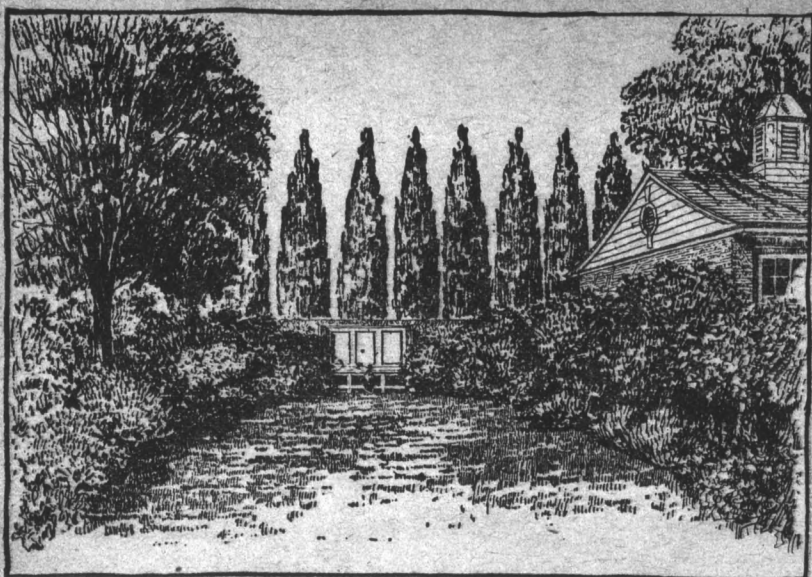
A MIGHTY HUNTER.—Billy Lange, of Hemlock, says he's going up north to hunt deer. Good luck, Billy.



A FEW NIGHT'S CATCH.—D. W. Nan, of Stockbridge (on the left) and Earl Walker (one the right) with a few night's catch of fur in Ingham county.



"ISN'T HE CUTE?"—Helen Gehrig with her puppy, Jiggs. Sent in by Mrs. Phil Thomas, Vanderbilt.



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Sour Cherries, Richmond, Montmorency, Dyehouse, May Duke, etc., 4 to 5 feet high. 5 trees for \$4.00
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Productive specimens Cuthbert, St. Regis, Gregg. 50 for \$1.75

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ANTI-FREEZE SOLUTION

To prevent radiators from freezing could kerosene (coal oil) be used instead of alcohol? If not, what could be used instead of alcohol?—H. H., McBain, Mich.

It would be possible to use kerosene oil for this purpose but due to the nature of the liquid the hose connections are quickly damaged. The boiling point of kerosene is lower than that of water, consequently overheating would be apt to take place. Everything considered, we would not care to recommend kerosene for satisfactory results.

A honey solution of 3 to 2 of honey and water by volume has been used by some with success. However the density of this solution does not permit very good circulation in cold weather. It is a poor heat conductor and consequently steam may form before the liquid has reached the boiling point. There have been several cases reported to this office which have been unsatisfactory to its use.

Alcohol with some glycerine added should prove the most satisfactory of any of the anti-freeze mixtures which are now known.—E. C. Sauve, Assistant Professor of Agricultural Engineering, M. S. C.

NO RIGHT TO USE MONEY

If a man has a farm and he makes a will and leaves it to his wife for her support as long as she lives, and it then goes to his children, and there is mortgage on it and it has to be sold after his death to straighten up debts, could the wife use the balance of the money as she needs it and is the one that has helped make the property?—M. E. B., Bancroft, Mich.

I AM of the opinion the wife would not have a right to use the balance of the money to use as she needs it. That would be cutting off the rights of the children under the will. She may, however, elect to take her right or inheritance in the place of taking under the will. In that case she would be entitled to one-third the property and the children to two-thirds.—Legal Editor.

DOG LICENSE

If you haven't a dog when the supervisor takes your assessment in spring and in August you get a four-weeks old pup, are you holding to pay an assessment that year on pup?—Reader, Salem, Michigan.

It is necessary for every person who owns a dog four months old or over to pay a license thereon. If a person owns a dog under that age at the time the assessor makes his assessment so that the dog is not subject to a license at that time, he must pay the license as soon as the dog reaches that age.—Clare Retan, Deputy Attorney General.

TRAINING FOR TEACHING SCHOOL

Does a person have to have one full year of normal training before he or she can teach school? I know of several persons, who are teaching and have had neither a full year at normal or five years previous experience.—Subscriber, LeRoy, Mich.

THE teacher training law which was passed in 1921 provides in part that after September 1, 1925, to receive a county certificate a teacher must have had at least one year of professional training beyond the completion of an approved high school course, provided that any teacher, who on September 1, 1925 held a county certificate which was renewable under the old law by virtue of having passed two teachers' examinations with an average standing of eighty-five in each and have been continuously and successfully teaching since the date of issue of the last certificate, may be eligible to receive a renewal of such certificate.

Teachers who can furnish proof of having taught at least five years before the passage of the act, the last three of which immediately preceded

ing the passage of the act were continuous, would be eligible to have the certificates which they held on September 1, 1925, renewed at the time of expiration of the same without meeting the requirements for professional training as defined in the teacher training law. Other teachers who held certificates on September 1, 1925, renewable as above stated shall be eligible to renewals of their certificates by completing twelve full weeks of normal school work since the issue of their last certificates.

Up to and including the regular teacher's examination in August, 1925, county certificates were issued under the old law and such certificates will be valid during the length of time for which such certificates were written. First grade certificates issued in August, 1925, will expire in June, 1929. Second grade certificates issued at that examination will expire in June 1928, and third grade certificates will expire in June, 1926.—G. N. Otwell, Superintendent, Division of Rural Education, State Department of Public Instruction.

CAN AND SELL CHICKENS

Will you please let me know if I have to have a license to can and sell a few surplus chickens to customers?—L. P., Honor, Mich.

I BEG to advise that if the chickens are of your own raising and canning and the canning is done under proper sanitary conditions, no license is required.—John L. Breck, Director, State Bureau of Foods and Standards.

AMOUNT OF HAY IN STACK

How much does a stack of alfalfa hay weigh that is thirteen feet wide, twenty-three feet long, and ten feet high and has stood for one year?—Reader, Ingham County.

I AM figuring the amount from a formula taken from bulletin No. 131 published by the United States Department of Agriculture, Washington, D. C.

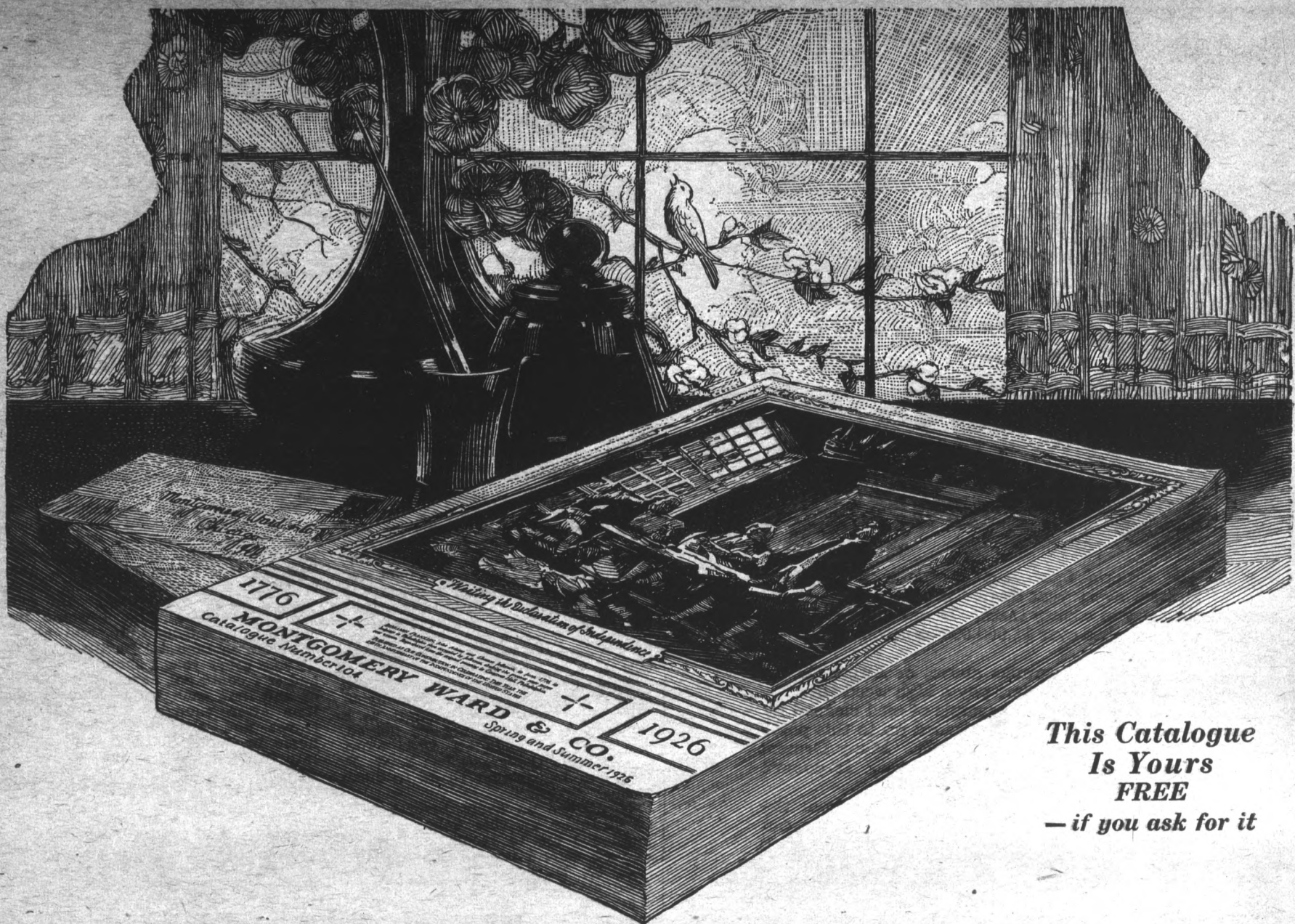
To find the volume a factor of from .25 to .37 is used which is multiplied by the length of a rope thrown over the stack and reaching from ground to ground, and the product by the length and again by the width. According to these calculations and using a factor .30, the contents would be 1942 cubic feet. This divided by 500, the number of cu. ft. per ton of hay, gives approximately 4 tons.

As a means of checking this formula, a shape of the stack was taken, which is assumed to have a semi-circular top 5' high and straight sides for the width and length of the stack. This calculation gives 2392 cu. ft. which at 500 cu. ft. in a ton makes practically 4.8 tons. Probably 4 tons of good hay would be a fair estimate of the amount of hay in this stack.—H. H. Musselman, Professor of Agricultural Engineering, M. S. C.

HAVE EXECUTOR APPOINTED

A middle-aged woman dies unmarried, leaving twenty acres of land to her father during his life, after which it goes to her youngest sister on condition she must pay all taxes, insurance, and keep buildings in repair. Failing in which, the property reverts to her father's estate to be divided among four brothers. The dead sister leaves collectable notes, to cover all indebtedness, but names no executor of the will. Can the father collect the notes, settle the estate, and keep the will in his possession? At his death, can the youngest sister secure a deed to the land? What legal steps ought to be taken under the circumstances?—R. B. C., Ithaca, Michigan.

THE father ought to apply to probate court to have himself, or some other person appointed executor of the will so he would have authority to collect the notes, etc. The younger sister could obtain a deed to the property upon the father's death, provided she complied with all the terms of the will.—Legal Editor.



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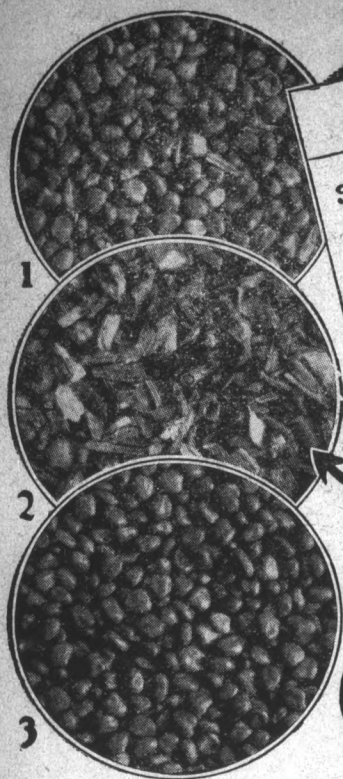
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CROP experts figure that weeds cost American farmers every year more than twice the amount they pay in county taxes. In one Northern state farmers were docked over \$2,000,000 on account of weeds in grain alone.

The magnified photographs above, of Alsike Clover seed, show why some planters pay a high weed tax.

Circle 1 shows a magnified sample of seed cleaned by ordinary methods. It is easily cleaned up to this point and can be sold cheap at a nice profit. Many farmers "save money" by buying it in this state. It doesn't look dangerous, but—

Look at Circle 2—"screenings" removed from the seed in Circle 1 by special re-cleaning. Here you can detect seeds of Canada Thistle, Buckhorn and Quack Grass—every one a familiar item on annual weed bills. Circle 3 shows what was left of the seed after it had been given a special re-cleaning. Note the difference. "Pine Tree" Clovers comply with all state laws.

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Broadscope Farm News and Views

Edited by L. W. MEEKS, Hillsdale County

Some Discovery

JUST the other day my mail brought a letter from a subscriber, J. W. F. at Owosso, who has a six acre field of rather heavy clay soil which has been pastured



L. W. MEEKS

for several years until last spring, when it was plowed and planted to corn. In August J. W. F. was cutting thistles in this field, and discovered, for the first time, that the thistles had permanent company, and very much of it, in vigorous quack grass!

Such discoveries in a community like this, where quack grass is not very prevalent, is certainly just cause for an S. O. S. call. While this field was being pastured the quack grass was not noticeable because the stock kept it from becoming large enough to show. From a very small beginning, parts of the field were covered with it in a few years.

This surprise has been sprung on more than one farmer, and many of them have simply accepted it as a calamity that could not be helped, and have put forth but little effort to eradicate the grass, but J. W. F. wants to know what to do to clean it out.

There are no doubt several ways of cleaning up this field, and the method I am to recommend is the one we should try ourselves.

J. W. F. says the field is in a good state of fertility. This being true, he will not want to lose the use of the field while trying to kill out the quack, and it will not be necessary. Put the field into oats. If it can be properly fitted without plowing, well and good; if, however, a good seed bed can not be obtained in this clay without plowing, then plow it by all means, and plow it shallow.

If pasture will be needed this coming summer, from the forepart of June until about the middle of August, sow three bushels of oats per acre and pasture them when about four or five inches high. If the pasture is not needed, sow around two bushels per acre and harvest them as usual, or they may be cut for hay.

I should recommend the pasture or hay in preference to the threshing of the matured crop. There is a possibility of the quack forming seeds and being a source of infection thereby. By pasturing, or cutting for hay, this possibility will be eliminated. The last of August plow this field just as shallow as possible, and yet do a thorough job of turning the soil. Disc these infected portions thoroughly, and watch for the green shoots to appear. Their appearance will vary according with the weather conditions at that time. When these appear, a spring tooth harrow, set deep, will be as good as the disc. Harrow thoroughly, and better leave the harrow, whiffletrees and all, right in that field, because you must (absolutely must) hitch on to it again in a week, and use it properly. Yes, and again the next week. If the weather man sends too much rain, you will have to stay by the harrowing pretty steady but in ordinary seasons after October 1st the harrow will not be needed quite as often, but no green shoots should be allowed to show themselves longer than it will take to get your team tied to the harrow again.

If the weather has been at all favorable the field may be planted to corn or some other cultivated crop the next year. If, however, a few shoots of quack have survived, I should sow oats and proceed as before. This last fall would have been almost too wet for any method to have been successful in killing quack. It rained so much the quack was very vigorous and the ground was so wet a harrow could not be

used often enough, and would not do thorough work when it could be used. But such wet seasons are very unusual, and need not be figured on too seriously in the arrangement of the eradication process.

A 60-Acre Farm

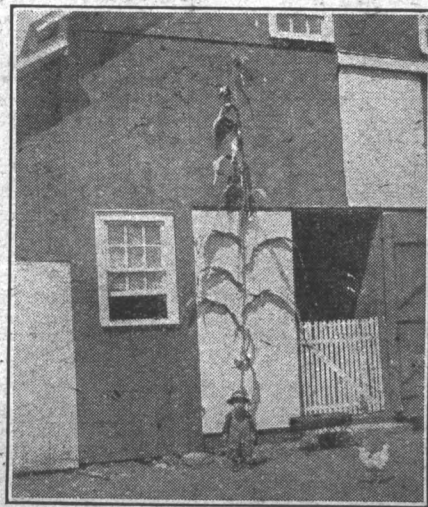
Here are a few extracts from a very interesting letter from a friend located at Butternut. His farm contains sixty acres and he follows a rotation something like this: First year, oats or beans; second year, wheat; third year, clover and then corn or beans. He has three horses, two cows and thirty sheep and wants to know whether he keeps stock enough or not, and would he be more successful with more cows and fewer sheep?

Not knowing the circumstances as to the amount of help he has, etc., it is rather hard at this distance to be very definite in giving advice. The rotation seems very good, and it is a safe guess that this farm could carry more stock. He has three acres of alfalfa; I would increase this considerably, and along with the commercial fertilizer which he uses every year I should use lime, and if I could not have both fertilizer and lime each year, I should use lime often enough to make sweet clover and alfalfa very much at home in my soil for if I ventured into keeping more stock, I certainly would tie to sweet clover if I could.

About keeping more cows and less sheep; much depends on the labor available. If he is alone on this farm, he probably will be wise in keeping more sheep and just his two cows. It is often possible to make two extra good cows, properly fed, bring in as large net returns as four common cows do, under average conditions. This question of "How much stock shall I keep?" is quite easily answered in a few words; keep all you have feed for, and feed all you keep! While it may not listen good I venture to say there are many farms that have too much live stock on them for the good of the stock, or the welfare of the farm. Pastures are always too short, and everything is pastured that will possibly afford any eats at all; feed is passed too sparingly during the housed up feeding period because it will hardly "hold out." On these farms half the present amount of stock would often become profitable. When a farm will properly feed all its present stock and have feed to sell every year, then it may be good policy to add more stock.

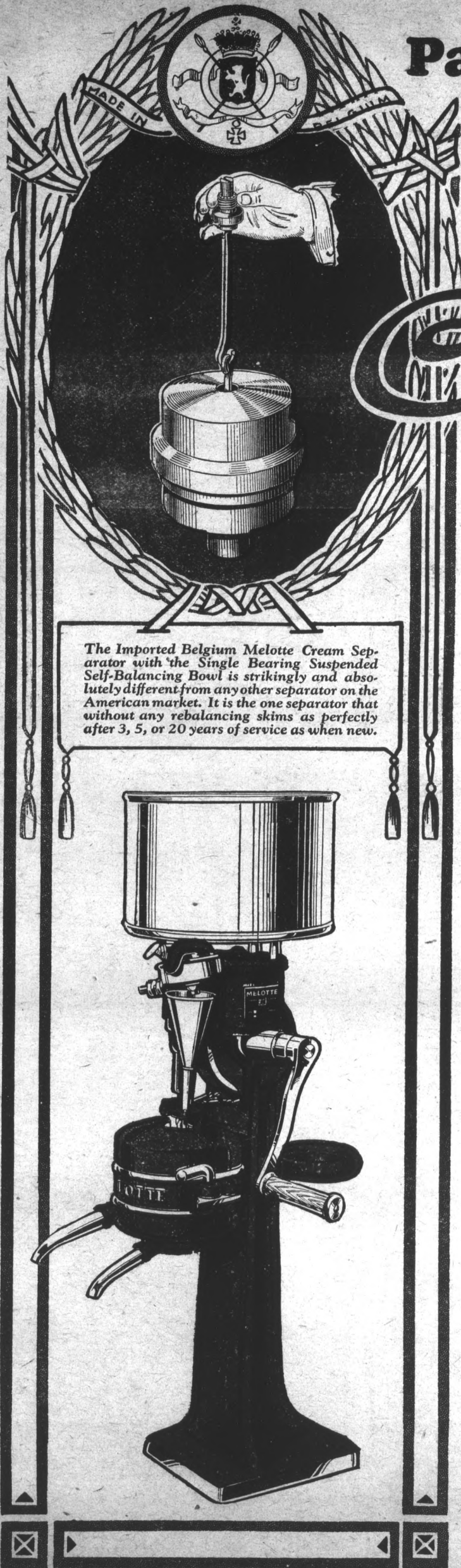
Many have added more stock just because of a surplus of feed for one year, and been reluctant to decrease the stock thereafter, yet having more stock than their farms will profitably carry.

I am reminded of a farmer friend
(Continued on page 26)



HERE'S A TALL STALK

Can you beat this? This is the tallest stalk of corn we have heard of to date. It is 16 feet 4 inches tall and was raised on the farm of F. H. Morrison, of Coldwater, Branch county. Mr. Morrison writes "My son, Floyd, the next president" is also shown in the picture." If you raised any corn that will compete with this send in a picture so we can publish it.



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Other Terms: \$7⁵⁰ Per Month

If you prefer you can pay \$7.50 after you have tried the MELOTTE for thirty days, then \$7.50 each month until you have paid for the separator. No extra charges, no interest to pay.

Nothing Else Like It

The MELOTTE is the one Separator with the single bearing suspended *self-balancing* bowl.

You cannot find a MELOTTE bowl that is out of balance. You cannot find a MELOTTE Separator user that has ever sent his MELOTTE bowl back to be rebalanced. Furthermore, neither wear nor usage can ever throw the MELOTTE Bowl out of balance.

On account of its *self-balancing* bowl the MELOTTE runs so easily that it requires a brake to stop it, otherwise you would have to wait twenty-five minutes for it to run down.

The MELOTTE will outlast any two ordinary separators made. Its broad faced gears, its sturdy construction, *self balancing* bowl, will make it last you a life time.

We almost forgot to mention the porcelain lined milk and cream chamber, much less tinware to wash, and other sanitary features. These details do not save any cream but they certainly *are* great conveniences.

More Cream

This is a broad assertion. We realize it. We repeat it again. The MELOTTE Separator *will* give you *more cream* (yes, much more cream) than any other separator you can buy.

This is *why*: A brand new separator that has been carefully balanced at the factory *may* skim as perfectly as the MELOTTE while it is new—BUT—its bearings soon begin to wear or discs get bent, and *immediately* your *cream losses* start, BECAUSE the bowl commences to vibrate and remix the cream with the milk, and before you send the bowl back to the factory (as you must do with other separators) your total cream loss will have been enormous.

NOT SO with the MELOTTE. The bowl is suspended flexibly and always revolves smoothly around its own center of gravity. Neither wear nor usage can ever throw it out of balance. The single bearing suspended self-balancing bowl automatically ADJUSTS ITSELF—*balances itself all the time*.

The reason that the MELOTTE will give you more cream than any other separator is because it skims perfectly 365 days out of the year, yes, year after year as long as you live. While the other separators give you good skimming for only a short time after each rebalancing. We have never known a Melotte to wear out—No, NEVER! The MELOTTE is certainly YOUR best separator investment.

Our 15-Year Guarantee

The superiority of the MELOTTE enables us to give you a fifteen year guarantee. The single bearing suspended bowl always balances itself. No strain on the machine. The MELOTTE will outwear any two ordinary separators.

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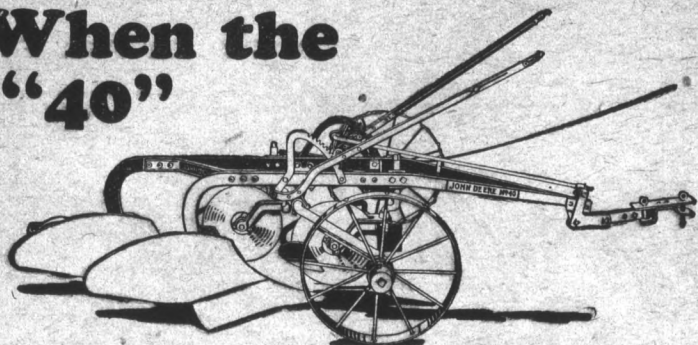
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Rolling Landside and Self-Adjusting Hitch

—these are the draft-reducing features on the No. 40. The rolling landside rolls the rear weight—the rear weight of the furrow slices and of the plow—on a greased axle; no dragging friction.

The self-adjusting hitch adjusts itself automatically to the correct line of draft—the suck of the plow is always right regardless of the depth you plow.

And, because the self-adjusting hitch maintains the correct relation of the plow bottom to the furrow under all conditions, the high quality of work—the pulverizing, scouring, turning and covering qualities of John Deere plow bottoms—is always uniform.

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booklet that points out a number of other important advantages on the No. 40 you will appreciate. Also, get free copy of "Bookkeeping on the Farm," a valuable farm account book. Write today to John Deere, Moline, Ill., and ask for booklet FO. 533

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WHAT THE NEIGHBORS SAY

NARROW SLEIGHS BEST

DEAR EDITOR: Nearly all of the writers on the subject of wide or narrow tread sleighs, and the auto traffic in general have overlooked some important features connected with the argument under consideration.

When both auto and sleigh occupy the same track, whether wide or narrow tread, where there is deep snow to contend with, it is a perfect nuisance. The auto or truck, in trying to get through, cuts the track all to pieces and many times has to be helped out. The sleigh or snowplow comes over the road, but the sidings to let others pass makes conditions still bad, as the wheel chains keep the track in a loose condition and so when the snow melts it leaves the track bare especially on a southern slope or pavement, whether you have wide sleigh or not. Then in the city or smaller towns, and on bridges, the snow is kept off for auto traffic and the sleighs or cutter have a tough proposition to contend with in making the grade with a load. Where the track is for sleighs only the road-bed is smooth and packed, but when the heavy truck with wheel chains goes through, the track is soon spoiled for any traffic whatever. I therefore can't see where there is any advantage in using wide sleighs. There ought to be two tracks so a farmer can haul grain, wood or coal without so much inconvenience, when his machine is put aside for the winter, but this will not be convenient as the auto has the right of way. Big business is in the saddle in theory as well as practice and the "little fellow" must abide by the "powers that be" or get out of the road. We are living in strenuous times.—F. H. Carpenter, Allegan County, Michigan.

EUROPEAN CORN BORER

DEAR EDITOR: Being a reader of your paper and reading it quite thoroughly, I came across some European Corn Borer writings which I do not agree with. Why all the excitement? Most of the cording to my theory, there are not farmers have never seen one, and any yet to get excited about. Do you remember the Colorado Beetle, or our common potato bug? If you picked them of by hand, you would. Now you do not find many and the late potatoes do not even have to be sprayed for the bugs in this neck of the woods.

It is a cinch the bugs have never done much damage here, not even as much as the cut worms. Why talk of Legislation to control the corn borer if it is all out of control, never has been controlled and never will be controlled? We have thousands of laws enacted, why more laws? Has the average farmer got to be watched all the time? Is there so much money in corn that we have got to raise it and sign papers to raise it under supervision or will the supervisor be a farmer or a white-collared young sprout that never has raised a crop of corn or never will. I will tell, in some future time, how two men kept a township free of European Corn Borers in 1925.—C. B., Clayton, Michigan.

INTERESTED IN MARKET REPORTS BY RADIO

DEAR EDITOR: We were so pleased when our paper came today to see you were going to broadcast through WGHP. I can not remember when your paper has not been in our home. We had it paid up till January, 1927, and Saturday a gentleman called, taking subscriptions for your paper. At first we thought he might just be a grafter, but after talking with him, we made up our minds, several others had been sold too if we were, and so paid him for a seven-year subscription. Wishing you many more years of success, thanking you in advance for the Market Report Blanks, and closing with the Season's Greetings and best wishes for a prosperous and happy New Year, I remain, Nathan E. Greeno, Ionia County.

I have been a reader of THE BUSINESS FARMER for a long time and sure think it a good paper. It has a lot of interesting and helpful reading in it. When one asks for advice it is taken care of with promptness.—F. M., Oak Grove, Mich.

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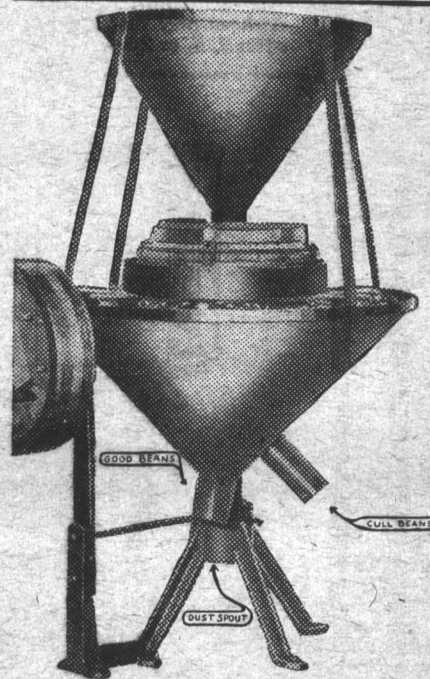
Cash—Fence Contest

\$1500 will be divided among 75 farmers or their families. The first prize is \$500; the second, \$250; the third, \$150; the fourth \$100 and so on up to the 75th prize. It only takes a little time to write about this subject—try for a prize.

Write for Free Contest Blank today. It tells all about the "rules"—"What to write", etc. Contest Closes April 5th, 1926. We'll also send RED STRAND fence catalog and "Official Proof of Tests"—they'll help you in writing your story or letter.

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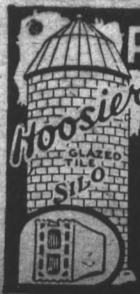
Bean Growers:

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Run your beans over the Judson Polisher and Picker before sending your sample. You will be delighted with the results.

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FRUIT and ORCHARD

Edited by HERBERT NAFZIGER

A LITTLE LIGHT ON APPLE PRUNING

"PRUNING comes with the winter" and on a pleasant day in February or March thousands of saws are sawing and clippers clipping in a fruit growing region.



Herbert Nafziger

It's an old saw that a lot depends upon the "man behind the gun," but when it comes to pruning it all depends upon the man behind the saw.

As a rule the pruning saw is an overworked instrument, and many an orchard would be better off with less pruning.

One object in pruning bearing apple trees is to keep the top sufficiently open to admit plenty of sunlight. Sunlight is one of the essentials in the forming of fruit buds. Often the lower growth on an apple tree will be thin and spindly and if any fruit is produced there it will be small and valueless. These lower branches could be made to produce good fruit if sunlight could get to them. Healthy fruit buds are produced on thick, healthy twigs which are making a good annual growth in the presence of sunlight. Absence of sunlight causes slender, spindly growth and weak buds.

How are we going to get light to the lower branches? The logical answer is, by opening up the top. This process of opening the top, however must be done "on the installment plan." Cut out many small and medium sized branches so as to allow many small openings for the admission of light. In order to prevent the growth of water sprouts make the cuts close to laterals or to the main branch, but do not make the cuts close to each other. If the trees are planted far enough apart and are making the proper amount of growth, this type of pruning will admit sufficient light and will promote the formation of the thick, healthy, wood and plump buds that every fruit grower likes to see. This method also aids the coloring of the fruit and acts as a preliminary thinning.

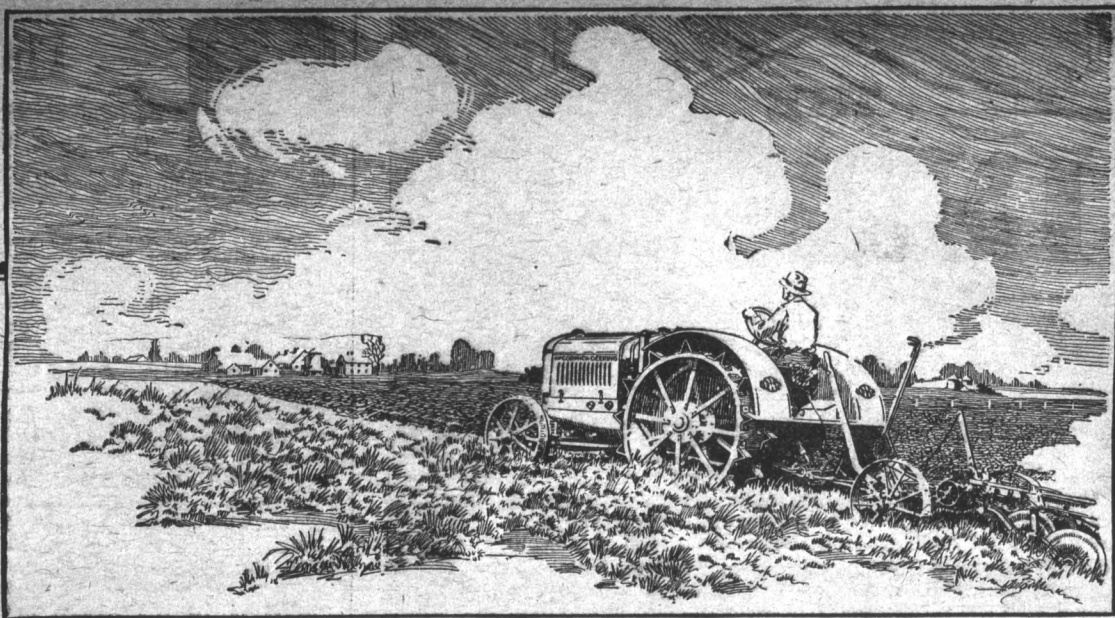
The practice of cutting out large branches should be avoided at all cost, for, instead of letting in more sunlight it will encourage the quick growth of numerous water-sprouts which will shade the lower branches more than ever, thus defeating the purpose of the pruner. There are also large branches. It reduces the bearing wood, thus in turn, reducing the crop. It also exposes the main branches to attacks of sun-scald and leaves large pruning wounds which are often slow in healing and may become the starting point of a hollow heart.

Pruning young apple trees to make them come into bearing is a rather recent development and is worth trying. When young trees are making a good growth and refuse to come into bearing it is usually best to do no pruning as pruning at this time has a tendency to stimulate growth and still further delay bearing. Dr. R. H. Roberts of Wisconsin University has shown, however, that sometimes young trees refuse to come into bearing because the tops are too thick to admit the necessary amount of sunlight essential to the formation of fruit buds. Such trees will sometimes produce a few terminal fruit buds but not enough for anything like a paying crop.

A careful and well balanced thinning of the laterals in the top of the tree will often let in enough light to remedy this condition. In applying this method "make haste slowly." Do not try to do it all in one year and confine your activities to the top of the tree, letting the lower branches take care of themselves until the tree has been thrown into bearing.

ED McINTOSH SAYS:

Sam Hurst says he used to be a lumberjack and judgin' from the (Continued on page 26)



A Recipe to Make Farming More Profitable

THE other day one of the great American leaders, a self-made man to whom other men listen with great respect, made two very simple statements that have an important bearing on farming.

First, he said: "One great problem before us is the need of reducing costs. Success comes to the man who makes anything as good as anybody else, but also makes it cheaper!"

Here he has hit on the farmer's biggest job. To-day the old methods, old-fashioned equipment, and slow muscle power that turned out a good day's work in 1913 are eating deep into farm economy. The profit is bound to be slim for the farmer who does not cut costs to the bone. He must adopt the faster, more productive methods that add to income, and so raise his family's standard of living.

The further advice of this man is: "I don't believe in Ben Franklin's maxim about saving pennies. If you watch the big things the pennies will take care of themselves."

This is a plea for the most practical kind of economy—a plea for making money rather than saving money. It comes from a man who began

at the bottom of the ladder and built up a great business. If he had hung onto pennies, afraid to invest in money-making equipment, he never would have been heard of. In industry the old equipment is scrapped, no matter how costly, as soon as better, cost-reducing equipment comes on the market. In farming it must be the same.

A new year of farming is ahead. How profitable can you make it? The question hinges largely on equipment. The methods of 1860 would force a family into poverty to-day. The methods of 1913, too, fall far short of the changed needs of to-day.

You are living and farming in the mechanical power age. The McCormick-Deering builders have developed a long line of modern, big-scale machines to work with McCormick-Deering tractor power and to help the farmer in his battle with production costs.

This winter, check your old equipment against the work to come next spring and summer, talk things over with your family and resolve to make your farming more efficient, and make it easier, too. See the McCormick-Deering dealer; profitable farming begins at his store.

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BUILDS up worn-out pastures and meadows. Adapted to any climate, resistant to weeds, will furnish pasture for five or six times as many animals as will the ordinary mixed grasses. Besides furnishing the earliest pasture, it thrives during the hot, dry summer months. It grows almost anywhere. You can rely on Scott's Sweet Clover being the very highest quality. Costs no more than the ordinary kind, and besides, WE PAY THE FREIGHT. Write today for free copy of our new Seed Guide. Contains valuable information for every farmer.

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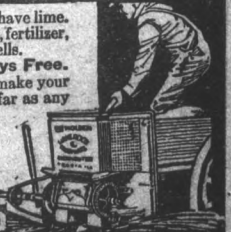
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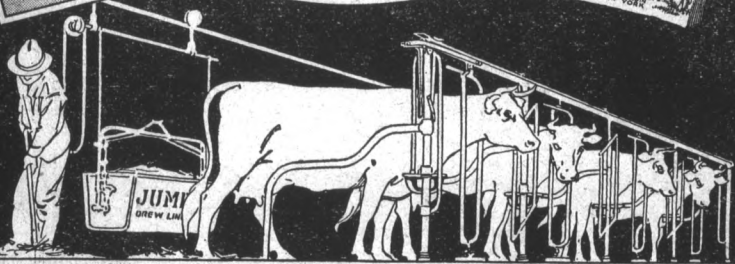
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The Cry For Forgiveness

A NON-SECTARIAN SERMON BY

Rev. David T. Warner

TEXT: "And forgive us our sins, for we ourselves also forgive everyone that is indebted to us." Luke 11:4.

"**L**ORD, teach us to pray," said the disciples. And Jesus taught them how to pray a perfect prayer perfectly. And so this prayer becomes a solemn litany to all followers of the Great Teacher. The writer recalls that in the church he attended in his boyhood, this prayer was tacked on the end of every public prayer. Perhaps "tacked" is the wrong word, but we shall leave it at that. And many churches yet use it in the ritual worship. But do we pray it perfectly? Are we losing ourselves in the grand prospect of a repentant world? Of "Thy Kingdom come?" And are we desirous enough of our soul's health to perfectly pray the words of our text? An inquiry is in order.

"And forgive us our sins." "Our sins." Now, this is the cry of an honest heart. There is no attempt at evasion here. This consciousness of sin is a prerequisite to perfect prayer. Have we murdered someone? This is our prayer. We have passionately sinned. But are we hating our brother? Then we are temperamentally murdering him. We are in darkness. This is our prayer. Have we robbed someone? We have violently sinned. Restitution and prayer is demanded. But are we robbing others through covetous dealing and a so-called business tact? Ah we are creating social miseries and the cries of suffering children and the economically oppressed go up to the Lord of Sabaoth. We are guilty of social sinning. Our hope is in repentance and a cry for forgiveness. Have we lived delicately on the earth and take our pleasure? Then we have fattened ourselves as for the day of slaughter, says James. A wide gulf exists between us and the Father's House. With this prayer in our heart let us go quickly and see that Lazarus has better doctors for his sores than the dogs. Have we laid our talent away in a napkin wrapping? Are we leaving some vital thing undone? An unsatisfied pledge? An unperformed duty? An unimproved opportunity? "How shall we escape if we neglect?" Verily, he who thinks so well of human nature or his own righteousness that he will not allow its evils, both open and hidden, is falsely consoling his heart and cleverly crying down the need for forgiveness.

"All under sin," is the Pauline declaration. And when one sees everywhere the sins of passion, of temper, of unneighborly unkindness, and of social neglect, one knows that sin is an ugly and universal fact. We can by no artifice escape its reality. We talk eugenics and environment (and this is well) but sin remains. We make laws for better human conditions but jails and courts increase. The pulpit cries against divorce but wrecked homes multiply and sexual thrills are enjoyed by the movie masses. Many acknowledge that there is much mistaken and imperfect living but this does not impress them as sin. Surely, there will be no cry for forgiveness, and there can be no deliverance, when the consciousness of sin is morbid and the heart is morally relaxed. Let us not miss the sharp end of this. Have we any open breaches or secret details in our own lives?

"Forgive us our sins." Because, we can not get on with our sins and we lack strength to escape them. This was the condition of the Prodigal. He sipped the nectar from the rose but a fleeting while. Sinful living ate up his resources, friends forsook him, and hope fled. No, not all hope! A ray of warm expectancy shines out from his father's house. And you know the rest. But this is forgiveness. We can't get on without Our Father. We long for the help that comes through personal relationship with him. So we leave the far country of sin and come back home. A festival reception is given us, and past suspi-

cion and offense are forgiven us and we are at one with the Heavenly Household.

But what a costly transaction! No Cross, no forgiveness. I met her at the cell door where was imprisoned a fine-looking young son. What a broken-hearted mother! She was carrying an invisible cross, her cross. Yes, she acknowledged her boy's sin, and she hated it; but most wonderful of all, she forgave him of his sin because she could not bear to have her heart alienated from him. She could not erase the past, she could love him notwithstanding the past. She couldn't deliver him from prison but she could help carry his burden of guilt. For his heart to be wrapped up in a tender mother's love made the son's punishment easier. So, God cannot remove the consequences of our sin. But this is for our discipline. Yet God does remove that element in sin which separates us from him when we face Christ in a cry for forgiveness. Everyone has a new chance in the mercy of God. "When nothing else could help, Love lifted me."

"For we ourselves also forgive everyone that is indebted unto us." "If ye then being evil know how to give good gifts unto your children,

ENJOY SERMONS

We enjoy the sermons very much, in fact we enjoy all of the M. B. F.
—Mrs. M. A. R., Hillsdale County.

how much more shall your heavenly Father give * * * to them that ask him." We have learned that human kindness has an element of forgiveness in it. If men are so gracious in their attitude toward one another, we are to know that God is much more so. Here is authority for every sinner one to importune; to ask, seek, and knock for a forgiven heart.

Matthew has, "Forgive as we forgive." Now, at first this would seem to limit God's forgiveness to the scanty measure of forgiveness that we mete out to others. Of all creatures, we would then be the most miserable. Isn't there something better for us than this? Luke helps us to understand when he says that because we forgive at all, God will forgive us altogether. Yet, if we do not have a sense of forgiveness, God cannot forgive us. To become a Christian, one must believe and repent; and to stay a Christian, one must cry daily for forgiveness. But this means that one, also, must daily forgive others. "How often," says Peter, "must I forgive my brother?" "Seven times?" "I say not unto thee until seven times," says Jesus, "but until seventy times seven." Here is unstinted and unlimited forgiveness. Is this hard? But having God's forgiveness will make us forgiving. And to have God's forgiveness means that we dare not be vindictive and insist on our own rights. We are to have a contrite spirit toward others. God cannot do for us when we will not do for others.

There is, then, no forgiveness without crying. There is no crying without a sin-consciousness. That we have sin is solemnly true. But that we need not live in sin is gloriously true. "Blessed is he whose transgression is forgiven, whose sin is covered."

BIBLE THOUGHTS

A MAN THAT HATH FRIENDS must shew himself friendly: and there is a friend that sticketh closer than a brother.—Proverbs 18:24.

BE SURE YOUR SIN WILL FIND YOU OUT.—Numbers 32:33.

COMMIT THY WAY unto the Lord; trust also in him; and he shall bring it to pass.—Psalms 37:3, 5.

THOU ART A GOD READY TO PARDON, GRACIOUS AND MERCIFUL, SLOW TO ANGER, AND OF GREAT KINDNESS.—Nehemiah 9:17.

RADIO DEPARTMENT

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

M. B. F. MARKETS

The Business Farmer radio market reports and farm news are broadcast daily, except Saturday and Sunday, through station WGHP, of Detroit, on a wave length of 270 meters, beginning at 7:00 P. M. eastern standard time.

TELL US ABOUT YOUR MEETINGS

WE want to broadcast information regarding meetings of general interest to farmers and we would like to have our readers and listeners advise us about any meeting to be held in their community, giving us complete information regarding who is holding or calling the meeting, the day and the hour as well as who is to address the gathering if there are to be any speakers.

The Editor tells me that he would like to have this information for publication in the M. B. F. so that is another reason you should send in news about your farm meetings. Try to get it to us well in advance of the meeting if you desire us to publish it.

MORE COMMENTS

When I saw your announcement of the broadcasting of farm markets and other matter pertaining to the business of farming, I made up my mind to get a radio as I had been itching for one for a year or so, so I had a 5-tube outfit installed January 1, 1926 but I was disappointed for the first week or ten days as station WGHP doesn't seem to be a very powerful station and we could hardly hear anything he said. He sounded over the radio like a man talking in a wash tub. His voice sounded so muffled and hollow, but last night and tonight it came in fine and a lot plainer and I hope it continues so. Of course, we are only about twenty-one miles from station WKAR, M. S. C. and that station seems so powerful that it is impossible to tune the college stations out while WGHP is broadcasting and we have to pay the closest attention to make out what WGHP is saying at all.

Mr. Tomy announced January 19th and 20th that you would like a letter from your listeners as to how the program was coming in, so I thought I would write a few lines and make a suggestion or two. First, that he broadcast the grain and bean markets and live stock market as quoted at the close of the market in Detroit that day and the chief reason for the ups and downs of the market on each first on the program each evening so that the average farmer who is not interested much in the Detroit produce market and such things can get the grain and live stock markets when he first starts broadcasting and then can tune out if he wishes to instead of listening to all the report in order to get the part of the market report he wishes to hear.

Hoping that the report keeps coming in as clear as it did last night and tonight, I remain an old subscriber who has been taking the M. B. F. practically ever since it first came out as a little pink two-page paper.—H. W. Ballinger, Clinton County.

Wish to congratulate you on your broadcasting from WGHP of Detroit. We look for the time every night to listen in for your reports.—I enjoy your paper very much.—Chas. Hardt, Jackson Co.

We listen in every night to your program and appreciate the markets very much. The program comes in very good.—Louis Green, Tuscola County.

Just a word of appreciation for the very fine feature which you have added to station WGHP in giving the farmers of Michigan and surrounding states the latest market reports, etc., at the time of day when they have time to listen. Keep up this fine feature.—Carl E. Jungle, Oakland County.

I have been hearing your program for the past week. You have the best time of the day or night to talk to the farmers. Later when spring work opens one-half to one hour later will be better. A very good announcer.—J. G. W., Delta, Ohio.

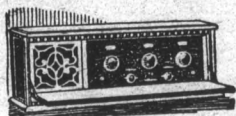
We are enjoying your farm program and markets which you are giving each night and hope you will continue them.—Mrs. E. H. Sheldon, Oakland County.

The program comes in fine. Hear it every day.—B. G., Tuscola County.

Your market reports are coming in fine at the right time so we can listen in. Keep us posted on potatoes.—Henry J. Smith, Lenawee County.

Enjoy your programs and market reports from WGHP.—L. H. Mathias, Jackson County.

All Makes of Radio on Easy Credit Terms!



Freshman Franklin, \$75



The Grebe—MU-1, \$155



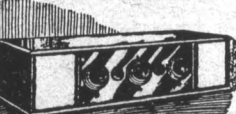
FE-15 Freed-Eisemann, \$75



Radiodyne Only, \$39.50



Giffillan GN-5, \$110



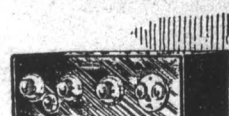
201-A Adler-Royal, \$125



Sparton 5-15 at \$63



Whitestone at \$29.85



Atwater-Kent 20 only \$80



Super-Zenith No. 7, \$240



Day-Fan Model 5, \$115



Thompson Grandette, \$89.50



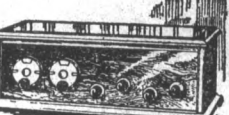
Crosley 5-38 at \$38



Jewett "155" at \$155



6-Tube Shamrock, \$95



7-Tube Aerodyne, \$200

Now it's easy to own a radio! The first time you are in Detroit, come in and see the great, permanent show we've arranged for you—the finest and most efficient receiving sets in the world! All are at nationally advertised prices—a wide range to fit any purse! Select any set and equipment you want—on People's Easy Credit Terms!

Listen in every evening to The Business Farmer market reports. You'll profit by them! And there are countless other entertainment features on the air every night you will enjoy immensely! Don't deprive yourself of these pleasures a single day longer!

**Regular Cash Prices!
No Interest Charged**

On any set you choose, you have the marvelous privilege of People's Famous Easy Credit Terms! Every set is sold at the regular, nationally advertised, cash price—a small amount down delivers your set—the balance can be paid as most convenient to you—and you pay positively no interest charges whatever! Don't miss this remarkable opportunity!

It's Easy to Pay—the People's Way

MICHIGAN BUSINESS FARMER

\$3 Coupon

This Coupon good for \$3.00 on the purchase of any complete radio outfit in our entire stock. Be sure to bring it with you.

People's Outfitting Co.
Michigan Avenue at Shelby Street
DETROIT - - MICHIGAN

People's Outfitting Co.
Michigan Avenue at Shelby Street

DETROIT

MICHIGAN

SPECIAL LOW PRICES

FOR ORDERS Now

BIG MONEY SAVING PLAN

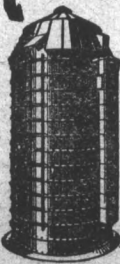
WRITE US REGARDING THIS BIG

REDUCTION FOR

EARLY ORDERS

—BUY NOW—

PAY LATER



Following products made of rust resisting ROSSMETAL copper content: Silos, Ensilage Cutters, Crib, Bins, Feed Grinders, Garages, Brooder Houses, and all Purpose Buildings.

Check items you are interested in and write today for prices. Agents Wanted. E.W. Ross Ensilage Cutter & Silo Co. 117 Warder St., Springfield, Ohio

Silo—Cutter—Brooder H.—Crib—Garage

Name _____
Address _____
R. F. D. _____ State _____

READ THE ADVERTISEMENTS TO KNOW
WHAT IS BEST AND WHERE TO BUY

RED MAN
THE MILD MELLOW CHEW

The Michigan BUSINESS FARMER

SATURDAY, FEBRUARY 13, 1926

Edited and Published by
THE RURAL PUBLISHING COMPANY, Inc.
GEORGE M. SLOCUM, President
Mt. Clemens, Michigan

DETROIT OFFICE—2-144 General Motors Building
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The Stockman-Business Farmer Trio.
Member of Agricultural Publishers Association
Member of Audit Bureau of Circulations

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Published Bi-Weekly

ONE YEAR \$60. TWO YEARS \$1. FIVE YEARS \$2.
The date following your name on the address label shows when your subscription expires. In renewing kindly send this label to avoid mistakes. Remit by check, draft, money-order or registered letter; stamps and currency are at your risk. We acknowledge by first-class mail every dollar received.

Advertising Rates: 45c per agate line. 14 lines to the column inch, 772 lines to the page. Flat rates.
Live Stock and Auction Sale Advertising: We offer special low rates to reputable breeders of live stock and poultry; write us.

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"

MILK PRODUCERS AND THEIR ASSOCIATION

It is too bad that some of the milk producers in the Detroit area fell for the bait cast out by a few smooth-tongued men of the promoter type who went into the milk and cream business with a lot of hot air and a little cash, because they are finding they have learned a costly lesson.

Posing as friends of the farmers these smooth-tongued strangers caused unrest among the members of the Michigan Milk Producers' Association by circulating stories to the effect that the association had "sold out" to the distributors, that it was no longer working for the interest of the farmers. They knew that many farmers did not thoroughly understand the surplus question and they claimed there should be so surplus, that all milk should bring more money and be paid for on a flat price basis. Failing to analyze the market and conditions regarding it some of the producers accepted the offers of these chaps to buy their milk at a flat rate, much to their regret if we may judge from the letters we are receiving.

Checks were received at the end of the first month and the farmers were laughing at the fellow who had stuck by the association and still sold his milk on the surplus basis. He was considered alright but he never would get much put away for a rainy day. The happy ones cashed their checks and departed with fat pocketbooks and broad smiles on their faces. At last they were getting what rightfully belonged to them just as the fellows told them they would. But a few days later their smiles were wiped out by a notice from the bank that payment on the checks had been stopped and they would have to return the money to the bank and pay a protest fee. The chaps who purchased the milk had many excuses of course and promised to fix everything but from what we learn these farmers are still out both the milk and the money.

This doesn't happen when the Association works with producer and distributor, the producer being insured against such a loss at a very small cost.

The Michigan Milk Producers' Association is the farmers' own organization and should have the support of every member. There may be little things about it you do not like but it is up to you as a part of it to offer helpful suggestions rather than try to break it down. If you cut your finger you would not immediately take your own life. Certainly not, you would doctor the finger. Well there is no more reason for tearing down your own organization because of a slight mistake than there is for committing suicide over a hurt finger.

Such experiences are expensive for a few but they work wonders in renewing the faith of the entire membership in their association.

TO ADVERTISE MICHIGAN CATTLE

We are pleased to learn that through the request of L. Whitney Watkins, State Commissioner of Agriculture, the state administrative board has authorized the spending of a normal sum for national advertising to exploit Michigan cattle and dairy products.

Standing far above other dairy cattle in the matter of tuberculin test, according to reports, Michigan is the best marketplace in the United States for dairymen from other states who want

the best, and not only are these dairymen coming to Michigan but they are willing to pay a premium to get our cattle, tested and found free from disease.

The state will be doing a real service to its farmers by putting on this advertising campaign, and we feel sure results will more than justify the spending of the money.

GLAD TO HEAR FROM YOU

WE wish to thank the many subscribers for sending in the editorial ballot we are publishing and we hope that more of them will help us by finding out and mailing the one in their latest copy. But if you are like the Berrien county subscriber we heard from last week who declared "I read every word in the paper and I hate to cut the ballot out" just write us a letter or postal card giving the information asked in the ballot. We are not so particular how you send the information to us, as long as you send it so that we may know your wishes.

Also we want thank our subscribers for their many interesting and helpful letters.

The way folks are renewing their subscriptions to M. B. F. would indicate that we are publishing the kind of farm paper they believe in, but we want you to write us. Perhaps there are some departments we should give more space to and others that should be reduced in size or eliminated, but we can not be sure unless you tell us. Thanks for an early reply.

MICHIGAN'S APPLE INDUSTRY

RECENT census figures disclose some interesting facts regarding the apple industry in Michigan. The number of apple trees has increased in certain sections but has materially decreased in the state as a whole, and, in spite of the fact that the total number of trees has decreased, the commercial production of apples, shows an increase!

This means that, with insect pests and other difficulties, apple growing has become a highly specialized business and the old farm orchards are disappearing. The industry is becoming centralized in certain favored sections, and, due to modern methods, fewer trees are producing more fruit.

The man who is looking for an orchard site had better locate in a region where commercial orcharding has been proved successful. An untried region may seem ever so attractive but, look out! There is likely to be a hitch somewhere.

THE FARMING BUSINESS

THE National Association of Real Estate Boards recently gave out the statement that farm land prices were due to go higher in the near future, and showed the results of a survey based on reports of boards in 22 states and 1 Canadian province to prove it. The association received the following comment from one of the states:

"Agriculture has had plenty of ups and downs during the past few years with the downs in the majority. A lot of inefficient farmers who never took their profession as agriculturists very

The Business Farmer Editorial Ballot

Below we are listing several features or departments in The Business Farmer with square opposite in which we will appreciate your indicating by number the ones you read regularly in the paper in the order of their importance. That is, if you like the serial story best, write the figure 1 in the square opposite that feature, the next choice should have the figure 2 in the square in The Business Farmer with a square opposite in which are desired may be written in the blank spaces.

This ballot will be published for several issues so that each member of the family may vote his or her preference. When the children vote their preference they should give their age, also. Be sure to sign your correct name and address and mail to the Editor of The Business Farmer, Mt. Clemens, Mich. Thank you.

- | | |
|---|--|
| <input type="checkbox"/> Feature Articles | <input type="checkbox"/> Publisher's Desk |
| <input type="checkbox"/> Picture Page | <input type="checkbox"/> The Farm Home |
| <input type="checkbox"/> Broadscope Farm | <input type="checkbox"/> Children's Hour |
| <input type="checkbox"/> Service Bureau | <input type="checkbox"/> Dairy and Livestock |
| <input type="checkbox"/> Soils and Crops | <input type="checkbox"/> Veterinary Dept. |
| <input type="checkbox"/> Sermon | <input type="checkbox"/> Poultry Department |
| <input type="checkbox"/> Radio Department | <input type="checkbox"/> Farm Mechanics |
| <input type="checkbox"/> Serial Story | <input type="checkbox"/> Fruit and Orchard |
| <input type="checkbox"/> Handy Hiram | <input type="checkbox"/> Harry Vetch |
| <input type="checkbox"/> Where Readers Live | <input type="checkbox"/> Markets |
| <input type="checkbox"/> What Neighbors Say | <input type="checkbox"/> Weather Forecasts |
| <input type="checkbox"/> Editorials | <input type="checkbox"/> Agricultural News |

Remarks:

Name

Address

seriously have moved to the city. We have a higher type of men and women on the farm today than ever before. Due to boys' and girls' club activities we are developing a brand of young folks who will make the progressive farmers and farmers' wives of the future. All in all, the signs are prophetic of better times for agriculture, our greatest industry."

Reports we have from different sections of Michigan indicate there is considerable truth in this statement, a view we have had for some time although we have been accused of not being the farmers' friend because we believed that way.

We have believed it was not the real business farmer who left the farm and moved to the city to become part of the machinery in a great factory. The business farmer knew that farming was a success, just as much as any other line of business, but you had to be a businessman to succeed and no half-hearted efforts would win.

Boys' and girls' club work is also helping to solve the problem of keeping the young folks interested in the farm, causing them to grow up better men and women to take their places in agriculture to make it better for the next generation.

And it strikes us that good farm land is a mighty safe and profitable investment today.

A CATTLE CENSUS

THE farm census of 1925 shows some trends in the cattle industry that are hardly in line with expectations. As compared with the decennial census of 1920 the total number of cattle in the country shows a decrease of 5,080,807, or 7.6 per cent. We have been hearing about the decrease in the number of range cattle, which are beef cattle; also about the great development of the dairy industry, which we would expect to be accompanied by an increase in dairy cattle. But the census figures show something else. The number of dairy cows, two years old or over, shows a decrease of 1,974,446, or 10 per cent, while the number of beef cows of like age shows an increase of 2,441,799, or 19.3 per cent. The same tendency is apparent in the figures showing the numbers of young cattle. Dairy heifers, one year old and under two, show a decrease of 784,279, or 19.4 per cent; while beef heifers show an increase of 57,293, or 1.4 per cent. Steers, one year old or over, show the biggest decrease of all, 2,290,516 head, or 24.7 per cent. This may be accounted for in part by the tendency to sell calves and yearlings to the feed-lot rather than keep them to maturity. If the census figures are correct, or approximately so, our expanding dairy industry faces a shortage of cows and our beef industry no surplus of feeder cattle.

LOCAL TAXES

HERE is a nugget sifted out of the long but excellent address of the Master of the National Grange at its fifty-ninth annual session in Sacramento, Cal.: "Taxation as it affects the farmer in a direct way is almost entirely local. In some states practically all of the farmer's direct tax remains in his county, township or school district, but in no section is the state tax a very considerable factor in the farmer's burdens. Consequently relief can come only through economy and efficiency in the county and smaller units of government and by seeing to it that every class of property contributes its proportionate share to the support of government." Further he says: "Our county government is now the most inefficient and out-of-date branch of our American system. In practically all states there is no directing county head that can be held responsible." Here are stated the truth about taxes and at least a part of the reason for them. If the Grange and other organizations can help to establish some better and more economical system of local government they will command the support of all concerned.

ABOUT SUGAR

"NOT so good," said A. B. Cook, Master of the Michigan State Grange, when he tasted corn sugar out in Des Moines, Iowa while attending the marketing conference recently. "I ate some of Iowa's corn sugar and it took me two hours to get the disagreeable taste out of my mouth."

Evidently friend Cook doesn't think that the Michigan sugar beet industry will suffer very seriously from this competition. We agree with him. We will do our share of eating corn but we prefer to have it in the form of breakfast foods, muffins, and good beef and pork.

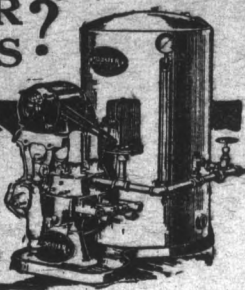
PETER, PLOW'S PHILOSOPHY

I noticed a headline in the paper t'other day 'bout an explosion down in Florida killin' five people. I s'pose some real estate salesman was so full of hot air that he just blew up and killed some prospects he was talkin' to.



What are YOUR WATER? NEEDS?

There is a HOOSIER Water Set vice, with the famous GALVAZINK coating inside and out, for a lifetime of every-hour-in-the-day water service for every home and farm purpose.



FOR lasting satisfaction from a water system, you must have equipment suited to your needs and the nature of your water supply. Our staff of experts is at your service, and a letter stating what you have in mind will bring their best advice and will not obligate you in any way. Let us show you how you can have city water convenience at less than city cost.

FREE BOOK

"How to Have Running Water" will help you select equipment to meet YOUR requirements. Just send your name and address.

FLINT & WALLING MFG CO.
55 Oak St. Kendallville, Ind.

Also manufacturers of Star Windmills.



GALVAZINK



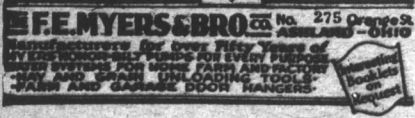
use MYERS SPRAY PUMPS the Year Round

for Spraying Cold Water Painting Whitewashing Disinfecting

ORCHARD and vineyard, truck patch and citrus grove, cotton and tobacco, vines, shrubs and flowers must be sprayed. Barns, sheds, poultry and hog houses, fences, walls and outbuildings must be whitewashed, painted and disinfected. You can do any or all of these things quickly, economically and efficiently with a MYERS Spray Pump. There is a MYERS for every purpose, and each the best of its kind.

MYERS Spray Pumps handle with equal facility insecticides, disinfectants, white-wash or paints. Hand Pumps with easy operating cog gear handle—self-lubricating Power Pumps with enclosed working parts and automatic pressure control give powerful penetrating spray that reaches every leaf and blossom, every nook and corner.

The MYERS line includes Pumps for every purpose, Hay Tools and Door Hangers. Ask your local dealer about them or write us direct.



BOWSHER Feed Mills

Rapidly crush ear corn (with or without husk) and grind all the small grains; either separately or mixed—mixed as they are being ground—not before or after. This saves time and labor.



"Combination" Mills Use the famous Cone-Shape burrs. Light Draft. Large Capacity. Solidly Built. Long Life. 10 sizes—5 to 175 bu. per hour. Handy to operate.

Sacking or Wagon Box Elevator furnished. Circular Free THEA. P. BOWSHER CO., South Bend, Ind.

WHEN WRITING TO ADVERTISERS, PLEASE MENTION THE BUSINESS FARMER

PUBLISHER'S DESK

"SEEKING AID"

"My dear friend: I am a poor country girl seeking aid from which to obtain an education.

"My parents are very poor people and have a large family to provide for and cannot give us the clothing we need.

"Now there are five of us that attend the rural school in our community and we are short of clothing and shoes and if you or any of your friends have any second-hand clothing or shoes you do not aim to use we would certainly appreciate your help if you would send them to us.

"We are willing to repay your kindness in any way we are able.

"Hoping to hear from you real soon, I am sincerely, Mary Click, Route 1, Box 18, Del Rio, Tenn."

THIS is a copy of a letter received by a subscriber living in Bay county and forwarded to us with the information that this is the second one she has received and she would like to know if we think she should pay any attention to them. She says that she never heard of this party previous to receiving the letters.

No, we do not think she should pay any attention to the letters. If this family (granting there is one) is in need and worthy of help they can get it in their own community, there being agencies to take care of such cases. We have reported it to the post office department for investigation.

GOT HIS FOUNTAIN PEN

I am writing to let you know that I received my fountain pen from and I want to thank you for your promptness and kindness in getting it for me.—W. E., Huron County.

THE young son of one of our subscribers wrote to a perfume company for eight boxes of salve which he was to sell at twenty-five cents each. Then he was to send the money to the company and they were to forward to him a fountain pen as a reward for his work. He sold the salve and sent in the money around the first of December and waited some time for his pen. Not getting it he wrote them a letter and then wrote some more without getting a reply. His father wrote us and we got busy. Less than two weeks later we received the above letter.

DENIED USE OF MAILS

FORM-LETTER horoscope and fortune telling doesn't seem to be a very good business to go into. The post office department is investigating them and the latest to be denied the use of the mails is Norris Fitzgerald Roach, operating as the Astro-Phreno Studio and the Astro-Phrenological Studio. His business was patterned after the Astra Studios which were denied the use of the mails recently.

Lucien Georges Leredu, of New York City, who advertised over the name of "Graphology Institute of America" to disclose the future by the means of handwriting analysis, and furnished his customers with form letters at from 25c to \$1.00 has been denied further use of the mails for his business.

The Asthma-Tab Laboratories of Kansas City is another concern that can no longer use the mails. Francis W. Osborne, Allen W. Slattery, Cecil W. Sydenstricker and Townley W. Robey were the officials of the company.

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 we 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 5, 1926
Total number of claims filed.....2774
Amount involved.....\$23,371.96
Total number of claims settled.....2279
Amount secured.....\$20,065.25



Current Issue now being offered—
Barlum Hotel, Detroit, Mich.

The supreme satisfaction that prevails among all owners of Federal Bond & Mortgage first mortgage real estate bonds is due to two outstanding qualities for which this institution is notable—unquestioned safety and exceptional service.

Tax Free in Michigan

Normal Income Tax Up to 2% Paid by Borrower

6%

(2814)

Federal Bond & Mortgage Company

FEDERAL BOND & MORTGAGE BUILDING, DETROIT

BEST INSURANCE---LOWEST COST

Pioneer Reserve Mutual Insurance Company, Detroit, Michigan

Built to endure, operated on business principles; and as solid as the "Rocks of Ages." Fourth largest Mutual Company in Michigan Insuring Farm Risks. Established nine years ago. Two classes—Rodded and Unrodded. Borrows no money. Pays no interest. Maintaining an Emergency and Reserve Fund in excess of all legal requirements. Accepts only the better class of risks.

In the Rodded Class, the highest assessment ever levied in any year was \$3.30 per \$1,000 and a special assessment was never called. The average for nine years (1917-1925) has been \$2.30 per \$1,000.

The Unrodded Class has called only one special assessment in ten years, and that in 1925 of \$2 per \$1,000, making the total rate for 1925 \$5.80. The average cost of insurance in that class for the nine years has been \$4.30 per \$1,000.

"Gold Seal" Members who keep fire extinguishers get TEN PER CENT discount, making the Rodded rate \$2.94. That is all they paid in 1925 and we are collecting the same rate for 1926. There is not another Farm Mutual Insurance Company in Michigan furnishing a BLANKET POLICY and giving their members such a low rate.

There is no better or more safe and conservative farm mutual insurance company in Michigan. We collect our assessments in advance. We do not have to carry the "Dead Beat" who jump from one company to another, leaving their assessments unpaid. Our members do not have to pay what the other fellows do not. We borrow no money and pay no interest. We always have plenty of money on hand to pay our losses promptly.

Yes, we are conservative. We are not so anxious to get business that we will insure properties for much more than they are worth. We are building our company to endure. The money in our treasury belongs to our members and we carefully safeguard it.

BUY INSURANCE ON TIME

At this season of the year money is not plentiful with the farmers. When they pay insurance for a year back they, many times, are unable to spare enough money to become a member of our company because our members pay in advance. We have bridged this gap. You can join our company, if you are a farm owner, and we will take your note payable six months from date, interest at 6%, and issue your policy at once. This is a new departure and opens the gate wide for you to make the change.

When you join our company you will be required to pay a policy fee of \$1.50. Membership fee of 10 cents per \$100, and an advance assessment in the Rodded Class at the rate of \$3.20 per \$1,000 and \$3.80 Unrodded per year. If you do not want to give a note and prefer to pay cash when you join you pay your assessment three, six or twelve months in advance as you prefer.

We have just issued a 32-page booklet on "Farm Fire Insurance." We want every farmer to have one. It contains valuable information on Farm Mutual Fire Insurance which every farmer should know. Send for a copy. It is absolutely free. Fill out the coupon and mail at once. If you want to see one of our agents we will send him to you. Or if you prefer we will send you application blanks and instructions for filling out same and you may forward your insurance application direct to us.

JAMES SLOCUM, Secretary,
2972 West Grand Boulevard,
Detroit, Michigan.

I am interested in Pioneer Fire Insurance and would be pleased to have you send one of your 32-page booklets on "Farm Mutual Fire Insurance." My property is located in the

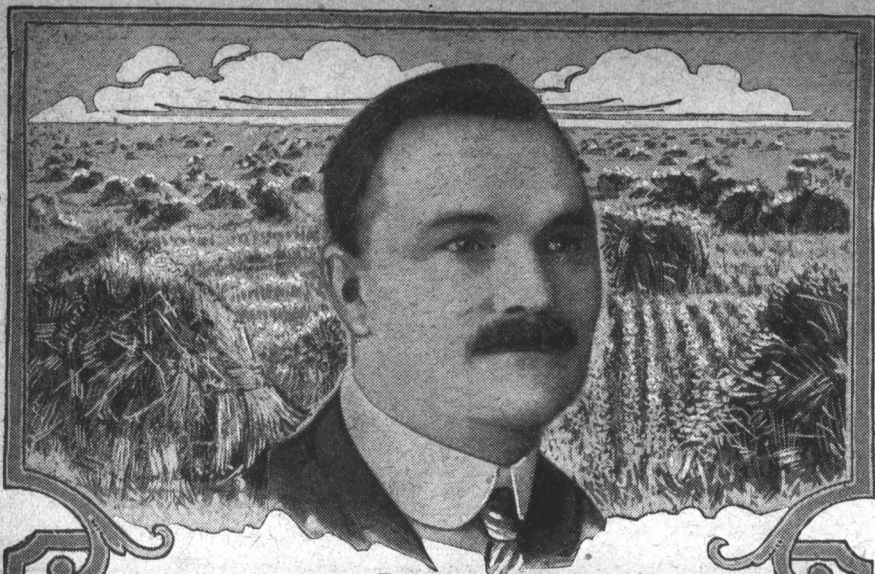
Township of _____

County of _____ Section _____

Name _____

P. O. _____ R. F. D. _____

MEMBERS WHO EQUIP THEIR BUILDINGS WITH FIRE EXTINGUISHERS ENDORSED BY THE UNDERWRITERS ARE ALLOWED TEN PER CENT DISCOUNT ON THEIR ASSESSMENTS.



C.A. DUNNING - Premier of Saskatchewan

The Living Proof That Canada Makes Good

CANADA is the Land of Promise to-day. Canada promises prosperity, health and happiness to those who come prepared and determined to work. And, on her promises, Canada makes good. If you are strong and willing, you can make yourself independent in Canada, no matter if your cash capital is small.

Take the Case of C. A. Dunning

C. A. Dunning came to the Province of Saskatchewan in 1903. He was an immigrant boy from England, only seventeen years old, not over strong, no money, no knowledge of agriculture. But he wanted to work and he was looking for a job in Saskatchewan, as a start. He was determined to make good.

He got the job. It was on a new farm in Saskatchewan, thirty miles from the end of the railway. His pay was \$10.00 per month and board. He lived in a sod shack and slept on the floor. To-day, Charles A. Dunning is Premier of Saskatchewan, Chief Executive and Leader of the Provincial Government, and one of the most successful farmers in Canada.

A Great Country

Canada is a great, rich, varied country with the glorious power

and vitality of youth. She is already the greatest exporter of wheat in the world, although only about one-fifth of her good farm land has as yet been brought under cultivation. Canada's wheat crop in 1924 was 262,000,000 bushels; in 1925 it is officially estimated at 391,000,000 bushels—an increase of 129,000,000 bushels. Other branches of farming—dairying, stock-raising, etc.—are increasing proportionately. Canada is increasingly rich in beef and dairy cattle, in horses and sheep, and in poultry. C. A. Dunning has shared in this development and prospered accordingly.

C. A. Dunning's story of success on the farm can be multiplied thousands of times in the different Provinces of Canada. Do YOU want to get ahead? Do YOU want to succeed and make a home for yourself on a low-cost farm where you can prosper and be independent? Come to Canada, the land of bigger crops and cheaper, richer land. Officers of the Canadian Government will help you, free of charge, to get suitably located; if desired they will supervise your start and give you all the help and counsel you may ask. Good land near the railroads sells at from \$15.00 to \$20.00 per acre. Free homesteads farther back. Full particulars will be found in the Canada Books issued by the Government. Send for one to-day. They're free. Use this coupon. Opportunity is knocking at your door.

**Bigger
Crops
Lower
Cost**

Clip this advertisement from the Michigan Business Farmer and send it along with a letter describing the kind of farm you would like to get in Canada to

J. M. MacLACHLAN
Canadian Government Agent (D-37)
10 Jefferson Ave., E., Detroit, Mich.

Mail This

MICHIGAN BUSINESS FARMER
"The Farm Paper of Service"
TELL YOUR FRIENDS ABOUT IT!

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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, 82M 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.)

RUB-NO-MORE



The Indian Drum

By William MacHarg and Edwin Balmer

Copyright by Edwin Balmer

(Continued from January 30th issue.)

IN the house Alan had found some one who had mistaken him for a ghost, a man who had cried out at sight of him something about a ship—about the Miwaka, the ship of whose loss no one had known anything except by the sounding of the Drum. What had the man been doing in the house? Had he too been looking for the explanation—the explanation that Henry feared? Alan had described the man to her; that description had not had meaning for her before; but now remembering that description she could think of Henry as the only one who could have been in that house! Henry had fought with Alan there! Afterwards, when Alan had been attacked upon the street, had Henry anything to do with that?

Henry had lied to her about being in Duluth the night he had fought with Alan; he had not told her the true cause of his quarrels with Uncle Benny; he had wished her to believe that Uncle Benny was dead when the wedding ring and watch came to her—the watch which had been Captain Stafford's of the Miwaka! Henry had urged her to marry him at once. Was that because he wished the security of her father—and she—must give her husband when they learned the revelation which Alan or Uncle Benny might bring?

If so, then that revelation had to do with the Miwaka. It was of the Miwaka that Henry had cried out to Alan in the house; they were the names of the next of kin of those on the Miwaka that Uncle Benny had kept. That was beginning to explain to her something of the effect on Henry of the report that the Drum was telling that some on Ferry Number 25 were alive, and why he had hurried north because of that. The Drum—so superstition had said—had beat the roll of those who died with the Miwaka; had beaten for all but one! No one of those who accepted the superstition had ever been able to explain that; but Henry could! He knew something more about the Miwaka than others knew. He had encountered the Miwaka somehow or encountered some one saved from the Miwaka; he knew, then, that the Drum had beaten correctly for the Miwaka, that one was spared as the Drum had told! Who had that one been? Alan? And was he now among those for whom the Drum had not yet beat?

She recalled that, on the day when the Miwaka was lost, Henry and Uncle Benny had been upon the lake in a tug. Afterwards Uncle Benny had grown rich; Henry had attained advancement and wealth. Her reasoning had brought her to the verge of a terrible discovery. If she could take one more step forward in her thought, it would make her understand it all. But she could not yet take that step.

In the morning, at Traverse City—where she got a cup of coffee and some toast in the station eating house—she had to change to a day coach. It had grown still more bitterly cold; the wind which swept the long brick-paved platform of the station was arctic; and even through the double windows of the day coach she could feel its chill. The points of Grand Traverse Bay were frozen across; frozen across too was Torch Lake; to north of that, ice, snow-covered, through which frozen rushes protruded, marked the long chain of little lakes known as the "Intermediates." The little towns and villages,

and the rolling fields with their leafless trees or blackened stumps, lay under the drifts. It had stopped snowing, however and she found relief in that searchers upon the lakes could see small boats now—if there were still small boats to be seen.

To the people in her Pullman, the destruction of the ferry had been only a news item competing for interest with other news on the front pages of their newspapers; but to these people in the day coach, it was an intimate and absorbing thing. They spoke by name of the crew as of persons whom they knew. A white lifeboat, one man told her, had been seen south of Beaver Island; another said there had been two boats. They had been far off from shore, but, according to the report cabled from Beaver, there had appeared to be two men in them; the men—her informant's voice hushed slightly—had not been rowing. Constance shuddered. She had feared of things like that on the quick-freezing fresh water of the lakes—small boats adrift crowded with men sitting upright in them, ice-coated, frozen, lifeless!

Petoskey, with its great hotels closed and boarded up, and its curio shops closed and locked, was blocked with snow. She went from the train directly to the telegraph office. If Henry was in Petoskey, they would know at that office where he could be found; he would be keeping in touch with them. The operator in charge of the office knew her, and his manner became still more deferential when she asked after Henry.

Mr. Spearman, the man said, had been at the office early in the day; there had been no messages for him; he had left instructions that any which came were to be forwarded to him through the men who, under his direction, were patrolling the shore for twenty miles north of Little Traverse, watching for boats. The operator added to the report she had heard upon the train. One lifeboat and perhaps two had been seen by a farmer who had been on the ice to the south of Beaver; the second boat had been far to the south and west of the first one; tugs were cruising there now; it had been many hours, however after the farmer had seen the boats before he had been able to get word to the town at the north end of the island—St. James—so that the news could be cabled to the mainland. Fishermen and seamen, therefore, regarded it as more likely, from the direction and violence of the gale, that the boats, if they continued to float, would be drifted upon the mainland than that they would be found by the tugs.

Constance asked after her father. Mr. Sherrill and Mr. Spearman, the operator told her, had been in communication that morning; Mr. Sherrill had not come to Petoskey; he had taken charge of the watch along the shore at its north end. It was possible that the boats might drift in there; but men of experience considered it more probable that the boats would drift in farther south where Mr. Spearman was in charge.

Constance crossed the frozen edges of the bay by sledge to Harbor Point. The driver mentioned Henry with admiration and with pride in his acquaintance with him; it brought vividly to her the recollection that Henry's rise in life was a matter of personal congratulation to these people as lending luster to the neighborhood and to themselves. Henry's influence here was far greater than her own or her father's; if she were to move against Henry or show him distrust, she

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.



ON THE KELLEY FARM AT VESTABURG, MICH.
Barn on the farm of Mr. and Mrs. Chas. A. Kelley, of Vestaburg. Mr. and Mrs. Kelley are standing in the foreground.

must work alone; she could enlist no aid from these.

And her distrust now had deepened to terrible dread. She had not been able before this to form any definite idea of how Henry could threaten Alan and Uncle Benny; she had imagined only vague interference and obstruction of the search for them; she had not foreseen that he could so readily assume charge of the search and direct, or misdirect it.

At the Point she discharged the sledge and went on foot to the house of the caretaker who had charge of the Sherrill cottage during the winter. Getting the keys from him, she let herself into the house. The electric light had been cut off, and the house was darkened by shutters, but she found a lamp and lit it. Going to her room, she unpacked a heavy sweater and woolen cap and short fur coat—winter things which were left there against use when they opened the house sometimes out of season—and put them on. Then she went down and found her snowshoes. Stopping at the telephone, she called long distance and asked them to locate Mr. Sherrill, if possible, and instruct him to move south along the shore with whomever he had with him. She went out then, and fastened on her snowshoes.

It had grown late. The early December dusk—the second dusk since little boats had put off from Number 25—darkened the snow-locked land. The wind from the west cut like a knife, even through her fur coat. The pine trees moaned and bent, with loud whistlings of the wind among their needles; the leafless elms and maples crashed their limbs together; above the clamor of all other sounds, the roaring of the lake came to her, the booming of the waves against the ice, the shatter of floe on floe. No snow had fallen for a few hours, and the sky was even clearing; ragged clouds scurried before the wind and, opening, showed the moon.

Constance hurried westward and then north, following the bend of the shore. The figure of a man—one of the shore patrols—pacing the ice hummocks of the beach and staring out upon the lake, appeared vaguely in the dusk when she had gone about two miles. He seemed surprised at seeing a girl, but less surprised when he had recognized her. Mr. Spearman, he told her, was to the north of them upon the beach somewhere, he did not know how far; he could not leave his post to accompany her, but he assured her that there were men stationed all along the shore. She came, indeed, three quarters of a mile farther on, to a second man, about an equal distance beyond, she found a third, but passed him and went on.

Her legs ached now with the unaccustomed travel upon snowshoes; the cold, which had been only a piercing chill at first, was stopping feeling, almost stopping thought. When clouds covered the moon, complete darkness came; she could go forward only slowly then or must stop and wait; but the intervals of moonlight were growing longer and increasing in frequency. As the sky cleared, she went forward quickly for many minutes at a time, straining her gaze westward over the tumbling water and the floes. It came to her with terrifying apprehension that she must have advanced at least three miles since she had seen the last patrol; she could not have passed any one in the moonlight without seeing him, and in the dark intervals she had advanced so little that she could not have missed one that way either.

She tried to go faster as she realized this; but now travel had become more difficult. There was no longer any beach. High, precipitous bluffs, which she recognized as marking Seven Mile Point, descended her directly to the hummocked ice along the water's edge. She fell many times, traveling upon these hummocks; there were strange, treacherous places between the hummocks where, except for her snowshoes, she would have broken through. Her skirt was torn; she lost one of her gloves and could not stop to look for it; she fell again and sharp ice cut her ungloved hand and blood froze upon her finger tips. She did not heed any of these things.

She was horrified to find that she was growing weak, and the her senses were becoming confused. She mistook at times floating ice, metallic under the moonlight, for boats; her heart beat fast then while she scrambled part way up the bluff to gain better sight and so ascertained her mistake. Deep ravines at places broke the shores; following the bend of the bluffs, she got into these ravines and only learned her error when she found that she was departing from the shore. She had come, in all, perhaps eight miles; and she was "playing out"; other girls, she assured herself—other girls would not have weakened like this; they would have had strength to make certain no boats were there, or at least to get help. She had seen no houses; those, she knew, stood back from the shore, high upon the bluffs, and were not easy to find; but she scaled the bluff now and looked about for lights. The country was wild and wooded, and the moonlight showed only the white stretches of the shrouding snow.

(Continued in February 27th issue.)

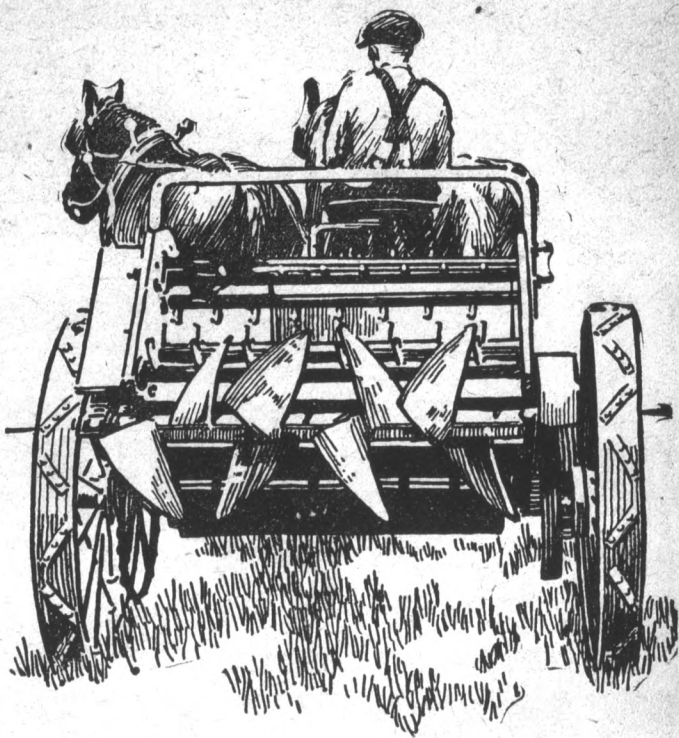
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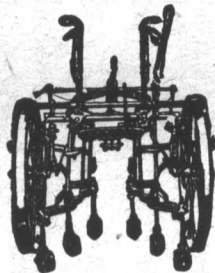
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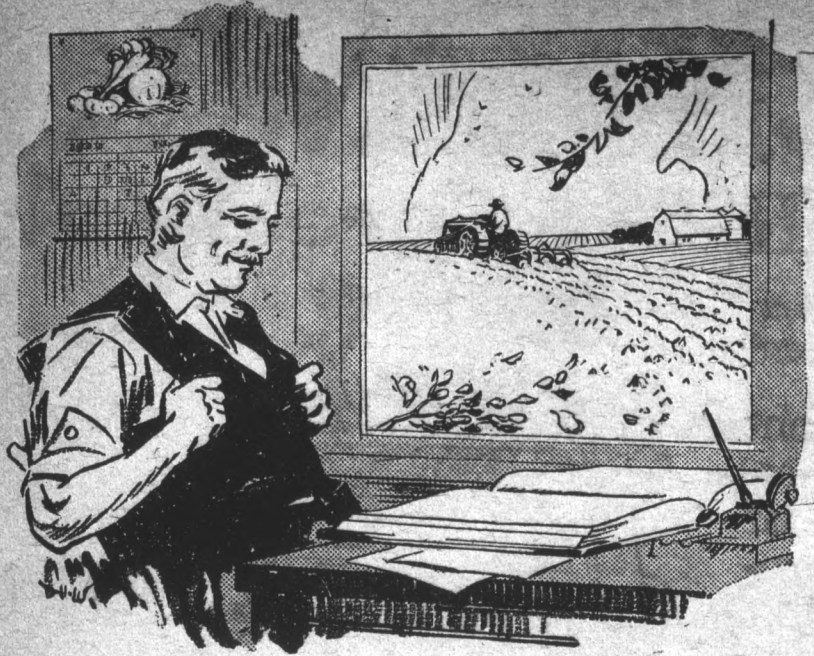
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The Children's Hour

Motto: DO YOUR BEST
Colors: BLUE AND GOLD

DEAR girls and boys: February is the outstanding month of the year, being the shortest one of the twelve and containing the birthdays of two of the greatest men this country has ever known as well as St. Valentine's Day. On February 12th we celebrate the birthday of Abraham Lincoln—our "Honest Abe"—loved by more people in our country and others perhaps than any other American, past or present. St. Valentine's Day is just two days later, and then on the 22nd of this month is the birthday of the Father of Our Country, George Washington.

As long as I can remember, which is a long, long time, I have heard folks debate which was the greatest, Lincoln or Washington, and some times the Lincoln debaters were the victors while the next time the defenders of Washington won. There is no question about both of these men being loved by their country and the girls and boys of today can well consider them as good examples to follow.

Another Contest

But let us have a debate all of our own. What do you say? I do not care which one you choose, Lincoln or Washington, and then write me a letter telling me why he is greater than the other. Do not write more than 500 words, write only on one side of each sheet, put your name and address at the top of each sheet, and be sure to advise whether you have one of our buttons or not. The one who sends in the best letter will receive a fountain pen; second best wins a box of paints, and the first fifty to send in letters will receive buttons providing, of course, they haven't received one already. And do not forget that the contest closes Saturday noon, February 27th.—UNCLE NED.

Our Boys and Girls

Dear Uncle Ned:—I was really surprised, Uncle Ned, to receive a letter and am well pleased that you will let me join your merry circle.

Before going any further I must describe myself the same as the rest of the merry circle. I am five feet, two and one-half inches tall. I weigh between 105 and 111 pounds, I am not sure for I haven't weighed myself for a few months now. I have a fair complexion and have dark brown hair, which, of course, is bobbed. It will be two years next March 12th since I've had it bobbed. I have sort of bluish eyes, too. My age is thirteen years. I will be fourteen next March 13th. I think it is enough about my description. I have also joined a club this year and I wish it would be a success. I joined the Girls' Sewing Club last year, too, which was the first year's work. This year we had second year garments to make. I am greatly interested in clubs. One of my friends and I won in the judging contest and were told to go to "The Club Camp", but we didn't go. If we win again next year, we will be sure to go.

In describing myself I forgot to tell you that I am in the eighth grade. I also have two brothers older than I am and one sister, which is older. She goes to high school now, so I am called the "baby of the family." I'll have to be excused, Uncle Ned for writing this in my letter. I have to go to school only a quarter of a mile and it is a very short way. I have not missed any school yet, even though Christmas is so near. Neither did I miss any last year.

I will be glad to receive letters from any one of the other cousins. I will remain a cousin of "Children's Hour" and hope to see my letter in print. Your niece, Wilma Wilkila, Box 17, Rumely, Michigan.

—I wish you success in your club work. I know you must find it interesting and hope you join each year just as long as you can. Write and tell us about it sometime.

Dear Uncle Ned:—I have never written to you before, and I like to read the letters in the Children's Hour very much. I think the letters are real interesting to read. I help my father on the farm. We live on a hundred and forty-nine acre farm. The Townhall School takes off one acre. It joins our place on three sides and it is close by. I have two brothers and four sisters. I am sixteen years old and passed the eighth grade last year. I will describe myself now. I am five feet and two inches tall and have brown hair (bobbed) and brown eyes. I weigh one

hundred and nineteen pounds. We live seven miles from our nearest town.

I would like to be in your club with the rest of the boys and girls. I also would like to win one of your pins. We have taken THE BUSINESS FARMER for about three months and like it very much.

The snow has all gone off again. We have nine cows and two horses, five calves, two colts, and four pigs. There is a Grange organization two and one-half miles from our place.

I would like to hear from some of the boys and girls and hope to see my letter in print. I read the letters the girls write about the boys and what the boys write about the girls and think they are both real good.—Your loving niece, Alice M. Fetterly, Woodville, Michigan.

—I am having contests in which you have opportunities to win a pin every now and then, so just keep your eyes open and remember that wonderful old saying, "If at first you don't succeed, try, try again."

Dear Uncle Ned:—Could I join your merry circle? I am a girl 13 years old. I have light brown hair and light complexion. I have brown eyes. I have two cats for my pets. One will speak for a piece of bread. I also have a dog. I go to school every day. I am in the 7th grade in school. My father takes THE BUSINESS FARMER and we all like it fine. Well, I am going to have a party soon. Well, I think my letter is long enough, so I will close. I wish some of the girls and boys would write to me. Good-bye. Amilia Stern, Box 109, Route 3, Inlay City, Michigan.

—Now Amilia, I should feel slighted because I did not get an invitation to your party—but I'll forgive you this time.

Dear Uncle Ned:—I am going to write about a trip I took to the Soo. I went with a car up to the Channel. Then we went with a boat over the Channel and then again with a car. We passed many houses. I saw many nice things. When we reached the city I saw many cars and many large buildings. Afterwards, we went to the lake shore to have a nice time.

Now, I will tell you about myself. I am in the second grade. I am nine years old, have blond hair, blue eyes. I am four feet tall. I have four sisters and four brothers. I have about a quarter of a mile to go to school, and we live on a farm. I like my school work well. Your niece, Irja Toivola, Johnwood, Mich.

—Can you write me about other trips you took? All will be interested I am sure.

Dear Uncle Ned:—Received your letter and I thought I would try my luck again. I don't whether I can make this letter interesting or not. For pets I have a dove named Tony, and two cats, one named Tom and the other Lucy. I live on a forty-acre farm. We have two cows, two horses, one calf and about sixty-five or seventy chickens. We had seven acres of good corn this year. I have two sisters, Clela and Ardis. My teacher's name is Miss Hazel Miner of Reading, Michigan. We had a big program on Christmas at our school. There are only thirteen scholars in my school. I am going to drop in and see you some of these days, Uncle Ned. That is, if you welcome visitors. Dear Mr. Waste Basket: Please don't eat my letter. Good-bye. From Carrell Culbert, Route 1, Jonesville, Michigan.

—Mr. Waste Basket says you made such a strong, personal appeal to him to spare your letter that you ruined his appetite.



WHO IS THIS?

Some of you may know this young miss (or would she prefer to be called young lady) but most of you do not. She is Katherine Oches, of LeRoy, Mich., a regular member of the Children's Hour. Now send in your picture for our page.

ANNUAL STATE FARM BUREAU MEET BIG SUCCESS

(Continued from Page 3)

igon; demanded a balanced tariff to give agriculture protection equal to that offered industry; discussed the fundamental factors which have given rise to the demand for agricultural relief legislation; and endorsed any sound plan for remedying this situation and insuring an American price to American farmers for that portion of agricultural products consumed in this country.

In matters of state legislation, one of the most controversial resolutions was that referring to highway finances. The resolution as finally adopted stated in part:—"At present we do not favor legislation to bring in any larger total revenues for highway purposes than is now derived from the gas tax and the weight tax. If there is any change in these taxes we prefer the gas tax be increased and the weight tax be decreased or discontinued entirely and permanent license plates be issued to be valid for the life of the car; provided, that in no case shall the total amount distributed to the counties be reduced below eight millions of dollars."

The delegates adopted unanimously a resolution protesting against the proposal that the state's delinquent awards to the counties be cancelled.

Directors elected for the coming year were:

From the Commodity Exchanges: M. L. Noon, Jackson, representing the Michigan Milk Producers' Association; J. H. O'Mealey, Hudson, representing the Michigan Live Stock Exchange; F. J. Harger, Stanwood, representing the Michigan Potato Growers' Exchange; G. W. McCalla, Ypsilanti, representing the Michigan Elevator Exchange; M. D. Buskirk, Paw Paw, representing the Michigan Fruit Growers, Inc.

Directors at large were: E. C. McCarty, Bad Axe; Mrs. Edith M. Wagar, Carleton; V. F. Gormely, Newberry; M. B. McPherson, Lowell; W. W. Billings, Davison; J. G. Boyle, Buchanan.

The directors organized by electing Mr. McPherson president, Mr. Noon vice-president, and retaining Mr. C. L. Brody as Secretary-Manager.

FARMERS' WEEK PARADE

NO Farmers' Week would be complete without the annual parade. All visitors look forward to this event with keen interest. As usual, the parade was headed by the college band, a splendid military musical organization and one of the best college bands in the Middle West. Following the band came the various units of the college regiment, the infantry, the cavalry, and finally the supply and repair service and the artillery, both tractor drawn.

Next came floats representing the various departments of the college. This section of the parade was headed by the Veterinary Department float bearing the slogan, "Horse Doctors? No, Veterinarians!" Following this came the floats of the Agricultural Department, the Applied Science Department, the Engineering Department, the Home Economics Department and the Forestry Department. Next were floats containing various breeds of sheep and swine.

The next section of the parade was a pageant depicting "The Development of Transportation". First of all came the Indian and his pony, the squaw being seated in the pony-drawn drag or sled. Then came the settler on foot, followed soon after by the settler with his horse and pack mule. Next, of course, was the covered wagon.

A surrey, labeled "For Sunday Afternoons", and containing two pairs came next. This was followed closely by the modern sedan, motor bus, and truck.

The final section of the parade included horses and cattle, splendid specimens from the prize winning herds of the college.

Heat the water for scalding of hogs to about 160 degrees Fahrenheit. If it is hotter, it will set the hair instead. Temperatures as low as 140 will scald a hog, but it takes longer.

Mature grape vines should be pruned back to about forty buds.

Uncle Ab says the man who gets what he deserves is the one who works for it.

Maybe you KNOW the MAN who wrote this Letter!

"I have fed cows (20 to 30 per year) for 33 years and I honestly believe Larro to be the best, safest and most productive feed ever offered to the American dairy farmer, and I have used almost every feed ever grown or concocted."

The name and address of the writer of this letter will be supplied on application. He may not live in the same locality as you do but it is practically certain that in your neighborhood there is a dairyman who might have written it.

For evidence that Larro increases both milk and profits from milk, go to him; look at his cows and at his balance sheet. These tell the Larro story of sustained performance better than we can tell it in words.

This typical Larro feeder, representative of many thousands of satisfied Larro users throughout the country, runs his dairy on a business-like basis. He keeps only the good, profitable cows, and keeps them at their best.

When he first bought Larro he wanted,

of course, an immediate increase in milk—and he got it. But more important, since he's in the business for the "long haul", he wanted to build condition in his cows and assure regular reproduction of sturdy, healthy calves. He wanted to lengthen the producing life of his herd, and at the same time he wanted all the milk his cows were capable of producing.

He has found that Larro gets these results. He knows it is "profit over feed costs" that counts, and his records tell him that Larro increases his profit margin.

Write for our folder, "What Your Neighbors Say", which tells the experience of nearby Larro feeders. Better still—try Larro yourself and learn why Larro feeders are becoming more numerous and more enthusiastic year after year.

There is a dealer near you



THE LARROWE MILLING CO.
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.



Color Your Butter

"Dandelion Butter Color" Gives That Golden June Shade which Brings Top Prices



Before churning add one-half teaspoonful to each gallon of cream and out of your churn comes butter of Golden June shade. "Dandelion Butter Color" is purely vegetable, harmless, and meets

all State and National food laws. Used for 50 years by all large creameries. Doesn't color buttermilk. Absolutely tasteless. Large bottles cost only 35 cents at drug or grocery stores. Write for free sample bottle. Wells & Richardson Co., Burlington, Vt.

THE BUSINESS FARMER
"The Farm Paper of Service"
TELL YOUR FRIENDS ABOUT IT!

LET US TAN YOUR HIDE

We manufacture all kinds of fur goods, Ladies' and Men's Coats, Fur Sets, Gloves, Mittens, Caps, Robes, etc. Try our repair department.

FREE

\$5.00 inside spot-light for your auto. Write for particulars and one of our 1926 illustrated catalogs.

BLISSFIELD ROBE & TANNING CO.
Blissfield, Michigan, Desk "E".
Custom Tanners & Fur Manufacturers.

OATS

SENSATION—One of the most productive oats in cultivation. 75 Bushels and upward per acre are frequent with large white meaty grains, weighing 44-46 lbs. per measured bushel of the highest quality. Seed furnished as low as 65c per bushel in quantities. You should by all means try these oats. Send for sample and circular.

THEO. BURT & SONS, Box 150, Melrose, Ohio.

MICHIGAN CHI'K MASH EGG MASH with BUTTERMILK



Insist Upon This Trademark

Makes chicks grow and hens lay. See the local co-op or farm bureau agent. Insist on Michigan brand. Write for free poultry feeding book.

Dept. D.
THE M. F. B. SUPPLY SERVICE
LANSING, MICHIGAN

BOARDIN' THE TEACHER

By Anne Campbell

We're boardin' the teacher at our house.
The teacher's as nice as kin be.
Her hands are as white as white paper.
She don't do the dishes, you see.

At night there's a fire in the parlor;
On Sundays a tablecloth white.
Because we are boardin' the teacher
We gotta hev ever'thing right.

Our hired man dresses up evenin's;
On Sunday he puts on a tie.
He sits kinda sad in a corner
When other young fellas drop by.

The teacher brings home from the school
house
Her papers an' work to be done;
An' though I am little, I'm thinkin'
That bein' teacher is fun!

On mornin's when snowdrifts are highest,
An' teacher tramps off through the
snow,
I watch her an' wave through the win-
dow,
An' wish I was six an' could go!

The teacher wears silk—I wear cotton;
An' she's got a wave in her hair;
An' she's got some fur on her collar,
An' pa sez more brains than her share!

We're boardin' the teacher at our place,
An' when I get bigger than you
I'll teach in some nice District School
House.
An' I'll be a star boarder, too!

MAKES HATS

(Prize Letter)

I HAVE earned extra "pin money" making little velvet and plush hats for little girls from one to twelve years of age. I buy remnants of velvet and plush in all colors, also linings. My braids, tassels, etc., are also bought at bargain sales. I make the little hats in six or four sections in crown with a turn-up rim. Anyone can buy patterns at any pattern counter. Often a mother is making her girl a coat of a larger discarded coat and there are pieces left over that can be used for a hat to match. All work must be done neatly and prices reasonable.

I am a farmer's wife, age 63, and what I have done, younger women can do. I sell most of mine in the city, but women call here and buy, too. I live four and one-half miles from any town or city. I would advertise and have a little shop. Little hats are usually so dear, mothers are glad to buy at reasonable prices—\$1.00 to \$2.00. I have done this work every fall for six years and done well.—Mrs. G. M., Vicksburg, Michigan.

VARIED EXPERIENCES IN MAKING "PIN MONEY"

(Prize Letter)

AS I have had varied experiences in the way of "pin money" schemes, I will venture to tell you them, and perhaps, aid others in at least a small measure.

I have been local correspondent for four years of our weekly county paper, also collect subscriptions in arrears and new subscribers for which I receive generous pay. All one needs for this is a good listening ear, pen or pencil always at hand, and the gift of gab and confidence in one's self.

I also give music lessons to some of the neighbor's children who would otherwise be deprived of musical instruction not being able to go to town to a teacher, and there are lots of other farm women who could do likewise who probably have drifted away from their music since living in the country where duties are manifold.

I make it a point to jot down every new idea that I discover while caring for my home. New recipes which often are concocted in time of necessity or when wanting something "just a little different," and file them away for reference, when one of our magazine editors puts on a new contest or requests new ideas. In this way I am able to at least keep my magazine subscriptions paid in advance. So many farm women feel they cannot afford magazines. I think this is a great mistake, and if they would only watch for opportunities they would find no end of ways to make their magazines pay for themselves by the ideas they send in, and realize a goodly number of savings in carrying out in their own household ideas others offer.

I have a pet purse of my own, filled with pennies, nickels and dimes, etc., I have saved by making the most of sales. If one store sells at one price another five cents less,

The Farm Home
A Department for the Women

Edited by MRS. ANNIE TAYLOR

DEAR FOLKS: We might call our page in this issue the "Pin Money Special" because I am publishing the letters judged the best received in our contest. I think some excellent plans are discussed in these letters and I hope you find some of them that you can use.

It surprised me not to receive at least one letter about raising chickens but I suppose you felt that the money you earned in this way could hardly be called "pin money" and perhaps you are right. However I wish some of my readers would write their experiences in the "chicken business" for the benefit of all. Pass your experiences and ideas along to other folks and they will give their's to you, thus you both are better off. Your experiences may cause someone to change their plans for this spring so write soon so that we can publish your letter in an early issue.

Your Friend,
Mrs. Annie Taylor

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

I buy from No. 2 and the nickel goes in my purse and so on ad infinitum. Then when I want something real bad, and couldn't hardly afford it else, I peek in my little purse and very seldom but what I can contrive to get my desire.

In any number of communities there is a chance for a farm wife to sell fresh cut flowers, plants, bulbs, roots, and so on, especially in the smaller communities where there isn't any florist. A little practice and one can soon learn the kind of flowers demanded by the trade, how to arrange bouquets tastefully, etc. I find tulips and narcissus for Decoration Day, and gladioli and asters sell best.

Bouquets for the sick room are always in demand from church and lodge societies and such, and pay well. Of course, there is always that added blessing from good measure for your money which should actuate all our dealings and build the foundation for permanent success.—Mrs. G. H. F., Wolverine, Mich.

SELLING CUCUMBERS

(Prize Letter)

I WILL tell you how I have made "pin money" for the last three years. Selling cucumbers. One can sow some seed early for table use, selling the large ones. For fall picking plant seeds the first of June—from the first to the twelfth. My husband plows as many furrows as I want row of cucumbers, nine feet apart, then the trenches are filled with manure. I cover the manure with dirt and sow my seed. Some of the long greens, some of the cluster variety. The long greens are better for early use. I never water my vines. I pick them every morning. It is better for the vines than in the heat of the day. This year I sold small ones for \$2.00 a bushel, next size for sliced pickles for \$1.60 a bushel and larger ones for dills at \$1.00 a bushel.—Mrs. J. B., Capac, Michigan.

QUILTS AND APPLE BUTTER

(Prize Letter)

I MAKE patchwork quilts and take them to sales and sell them. Also apple butter can be made at very little cost in the fall and if kept until near spring it sells very readily at twenty to twenty-five cents a quart. I put mine in glass cans and take it to the public sales and sell it often. I have boiled down cider and can make it during the winter months out of apples that would otherwise decay.—Mrs. R. D., White Cloud, Mich.

EVERY LITTLE BIT HELPS

(Prize Letter)

I NOTICED in THE BUSINESS FARMER today that you wanted to hear the schemes to make a little extra money. I will tell you mine. I'm the mother of two little girls, one a year old, the other one is three, so I have lots of work to do. We live on an eighty acre farm since the first of September. I canned one hundred and twenty-five cans of fruit, took care of my children, did my house work, and did lots of work out on the farm, besides I earned \$10.00. I got the job of cleaning the school house, and after that I had work at the school teacher's house such as mopping, wash-

ing and baking, so made some money that way. We live on a rented farm so we only get part of what comes off the farm, and I have my part of the eggs. I sold \$3.00 worth of pears by saving all I could. I sold some lettuce, beans, beets, apples, and I have some chickens to sell. I think every little bit helps a lot so I save all I can. I don't feel as if I have done so bad this summer. I think it takes a good deal of studying, planning, and looking. When one sees a little job and takes it even if you don't make but a little, it will help a lot. Probably you might think what a lot of work for such little pay, but think this way, every little bit helps, and I may get it again or something else. One can soon work their wages up, because if you do the work good, you will get more than if you didn't do it half as good. I surely hope this will be of some good to you. If I can be of any help to you in any way, I will be glad to.—Mrs. E. M. P., Hastings, Mich.

HOME-CANNED PUMPKIN

(Prize Letter)

IN response to your call for "pin money" ideas, I am sending one which any farmer's wife or daughter can easily make use of, even along with their busy housework.

Stew good field pumpkins, sift, pack into quart cans, tighten covers firmly and cover cans in warm water bath, sterilizing two hours. Complete the seal and cool. Two or three quarts may be made from each pumpkin, each selling at twenty-five cents a quart to any city or even small town, busy housewife or business woman.—Mrs. A. C., Six Lakes, Mich.

SEVERAL SCHEMES

(Prize Letter)

WOULDN'T it be fine if THE BUSINESS FARMER would set aside part of a column for women to advertise what they have for sale to make "pin money?" Letting each take their turn and give so much an insertion.

I, myself have washed for two different families to earn money, but that did not help my health any. Have also crochet work. A friend of mine told me the other day she is going to make paper roses to sell. Another friend sells fancy waxed flowers at \$1.00 per dozen or the plain ones at 75c per dozen.

I certainly think it would be fine if the ladies would send in ideas in regard to home work. I, myself, answered ads of the knitting machine companies but they wanted so much down. I never purchased machines. I said I wanted to earn money not to spend it.

I intend to crochet articles for gifts and put them on the market before Christmas. I hope to see bushels of money making ideas in your good little paper.—F. W., Vicksburg, Mich.

CHLORINE AND COLDS

THE prevention of disease and the cure of disease are very distinct processes. The use of chlorine for colds was first thought of as a preventative; then, later attempts to use it as a cure were tried out on

a number of people, including President Coolidge.

In 1920 a chemist at the University of Arkansas injected chlorine gas continuously into a room and treated 184 people by allowing them to breathe the air for about five minutes each day. Only one person came down with influenza, and his attack began on the first day of the treatment, indicating that it had probably gotten a start previously. In the same town and during the same time one person in every 40 who were not treated took the "flu."

In a similar way data has been obtained which indicate that the inhalation of chlorine in great dilutions is fairly effective in preventing colds.

In this connection it is interesting to note the report of a man who changed from hard to soft coal in his furnace and found that the slight escape of coal gas throughout his house relieved him of a "bronchial trouble that affected him every winter." It is stated also that employees in the London tubes were not troubled with respiratory infections as long as the trains burned soft coal, but after they were all electrified these troubles began.

Thus far the use of chlorine as a cure for colds has not always proved effective. Those who have had good results with it claim that the other people did not use enough, or that they used too much, and in that way irritated the mucous membranes. No very systematic work has been carried out on the problems so that it is not possible to draw very definite conclusions.

One great difficulty in experimenting along this line is that of controlling the amount of gas in the air which is breathed, and this would seem to be a very important factor.

The ordinary "chloride of lime," which is purchased everywhere and is very cheap, constantly emits chlorine gas. Perhaps somebody may yet work out a method by means of which this common substance can be used effectively in the treatment of colds.

Personal Column

Making Mittens.—Recently I saw in your paper how to make mittens for the family I have just a little improvement on them I use wool stocking legs double for wristlets if too large cut off and sew in to make a bit tighter at bottom of wrist that would be in the center of stocking leg then double and sew on mittens. It has saved this family a lot on mittens.—Mrs. N., Montcalm County.

What Ails Tomatoes?—I would like to find out if possible what ails my canned tomatoes. They do not ferment, look perfectly good, but the cans that have a white settling in the bottom are too acid and I have to throw them away. So many are this way. I have tried putting in salt, but part of them are this way every year. I have asked but have not been able to find out.—Mrs. W., Berrien County.

—The tomatoes probably have undergone a fermentation which accounts for the acidity, unless the acidity noted is the natural acid of the tomato. The white matter noticed is probably microbes of some kind. However, these points could be determined accurately only by an examination of the tomatoes in a laboratory. We would be very glad to make such an examination and report the results to you. The trouble comes from improper sealing of the jar or from lack of heat either too short a period, or too low a temperature.—Ward Giltner, Professor of Bacteriology, Dean of Veterinary Medicine, M. S. C.

—if you are well bred!

Expense Borne by the Bride's Parents or Those Representing Them.—1. All outlay for wedding invitations and other wedding stationery; and any expense, postage, service, in sending them out.

2. The wedding dress with all its accessories, and the bride's tresseau.

3. The entire cost of church and house decoration, flowers, ribbons, etc., of all music incidental to the ceremony, either at home or at church; and of all transportation for the bridal party and guests from house to church and back to the house for the wedding meal.

4. Every item of expense connected with the wedding collation (caterer, etc.) including the wedding cake and the bridal favors in the cake. (In the old days the bride favors—"bride-lace"—were lengths of gold lace or other lace used to tie up the sphigs of rosemary the bridal party wore at a wedding.)

5. The photographs, "wedding pictures" taken before or after the ceremony as a souvenir for family and friends.

6. The bride's to her bridesmaids. The bridesmaids must buy their own wedding

Keep Musterole on the bath-room shelf

Years ago the old-fashioned mustard plaster was the favorite remedy for rheumatism, lumbago, colds on the chest and sore throat.

It did the work, but was sticky and messy and burned and blistered.

Musterole has taken the place of the mustard plaster, without the blister.

Keep this soothing ointment on your bathroom shelf and bring it out at the first cough or snuffle, at rheumatism's first warning tingle.

Made from pure oil of mustard, with the blister and sting taken out, Musterole penetrates the skin and goes to the seat of trouble.

To Mothers: Musterole is also made in milder form for babies and small children. Ask for Children's Musterole. The Musterole Co., Cleveland, Ohio

Jars & Tubes



BETTER THAN A MUSTARD PLASTER

Your Child's Cold needs this

Double-Treatment

DON'T dose a child for a cold. You may upset the little one's digestion. Better use what thousands of mothers have learned to depend upon. Simply rub Vicks VapoRub over the child's throat and chest at bedtime and get the benefit of its two-fold action:—

(1) Direct to the inflamed air passages by its medicated vapors, released by the body heat, and

(2) Direct through the skin like an old-fashioned poultice, "drawing out" the soreness and pain.

Good for the colds of all the family.

acts 2 ways
at once

**VICKS
VAPORUB**
OVER 21 MILLION JARS USED YEARLY

Colds

Be quick—be sure

Colds are dangerous. Stop them at once. Correct their damage. Open the bowels, check the fever, tone the system. You can do that in 24 hours with HILL'S. This way is efficient and complete. It is so well-proved that millions now employ it. It is so superior that we paid \$1,000,000 for it. Don't rely on minor treatments. Deal with a cold in the best way known—and now.

Be Sure It's **HILL'S** Price 30c

CASCARA QUININE
Get Red Box with Portrait

Cuticura Soap
Best for Baby

Soap, Ointment, Talcum sold everywhere. Samples free of Cuticura Laboratories, Dept. E, Malden, Mass.

costumes, though the bride dictates what they have to wear. All they receive from the bride is a small personal gift, some simple bit of jewelry as a rule, and their bouquets. If the fan or some other accessory in place of the bouquet, the bride is expected to provide it. (It is also quite correct, as a local custom in many places, for the bridegroom to present the bridesmaids with their bouquets.) These gifts of the bride to her aids, and an incidental gift on her part to the bridegroom (if she choose to make it) complete the list of expenses which are borne by her family.

The Runner's Bible

(Copyright by Houghton Mifflin Co.)

God giveth to a man that is good in His sight, wisdom, and knowledge, and joy.—Ecc. 2:26.

Who healeth all thy diseases.—Ps. 102:3. My grace is sufficient for thee, for my strength is made perfect in weakness.—2 Cor. 12:9.

For when I am weak, then am I strong.—2 Cor. 12:10.

Becoming humble through helplessness, I give myself wholly up to God; then nothing hinders His power from being made perfect in me—then I am strong.

Recipes

Cookies with Fancy Rolling Pin.—I am a very interested reader of "The Farm Home" page and having seen the request of Mrs. S., Auburn, Mich., for a good cookie recipe for the fancy rolling pin, I wish to make a contribution.

This recipe is an old-fashioned German one called "Springerli". It reads:—1 cupful powdered sugar, rolled, sifted and warmed, 4 large eggs, 1 pound flour dried and sifted 3 times, the grated rind of 1 lemon, and 1 teaspoon baking powder sifted with the flour. Beat eggs and sugar 1 hour, stirring one way. Add other ingredients and shape into loaf without much handling. Set in cool place 2 hours. Roll out a small piece of the dough ¼ inch thick on a floured board. Put a little flour into a cheese cloth bag and dust the springerli molds, press the dough into the molds firmly then remove and trim. Spread a cloth on a table in a cool room, sprinkle it with anise seed and lay the cakes on this for 12 hours. Bake in lightly buttered pans in a moderate oven. These cookies are fine. My grandmother used to make these for the holidays and the whole family used to help with the making. A good idea, isn't it? The rolling pin must be rolled over the dough quite heavily so the pattern will be very distinct.

These cookies should be made a few days before using as they improve with age.

May "The Farm Home" continue to be of a great help to its readers and I hope we all will cooperate to make it the best ever during 1926.—Miss K., Mason Co.

Marshmallow Filling.—I saw Mrs. A. T.'s request for marshmallow filling and I am sending a number and she can take her choice.

Recipe No. 1.—Boil one cup of sugar with four tablespoons of water (boiling), and a pinch of cream of tartar, until it falls from the spoon in threads. Pour this slowly into an egg white beaten stiff. Beat while pouring and until it is smooth and cold. Soften the marshmallows over boiling water, place on the cake layers and pour the icing over them.

Recipe No. 2.—Spread the marshmallows on a pan and set in the oven a minute to puff up, then beat the boiled icing.

Recipe No. 3.—Cocoanut Marshmallow Icing. This takes twelve marshmallows. Put one cup cocoanut, one cup granulated sugar, one unbeaten egg white and three tablespoons water in a double boiler. Beat with an egg beater till the water has boiled seven minutes. Cut the marshmallows in small pieces, put into a convenient dish, pour the mixture over them and beat till smooth.—Mrs. H.,

Homespun Yarn

A foot lever to lift the lid of the garbage can saves bending.

The best mattress will lose its shape on ridged or sagging springs.

Aunt Ada's Axioms: Promises set the table, but results fill the platter.

Straighten the seams before they are pressed if you want them to come out straight afterwards.

Sometimes money spent for a new stove means a saving in fuel that helps make up the difference.

WOMEN'S EXCHANGE

If you have something to exchange, we will print it FREE under this heading providing: First—it appeals to women and is a bonafide exchange, no cash involved. Second—it will go in three lines. Third—You are a paid-up subscriber to The Business Farmer and attach your address label from a recent issue to prove it. Exchange offers will be numbered and inserted in the order received as we have room.—MRS. ANNIE TAYLOR, Editor.

132.—Gladioli bulbs for Cactus Dahila bulbs. Please write first.—Mrs. Sofus Nielsen, R2, Greenville, Michigan.

ONE TRIAL

BEST BY TEST



One trial proves the economy of Calumet. You use half the amount usually needed. It has greater leavening strength.

One trial proves the quality of Calumet. Bakings have a more tempting appearance—are fully raised and properly baked.

One trial proves beyond dispute that Calumet is the World's Greatest Baking Powder—highest in quality—most economical—most dependable.

Every ingredient used officially approved by United States Food Authorities.

CALUMET

THE WORLD'S GREATEST BAKING POWDER

SALES 2½ TIMES THOSE OF ANY OTHER BRAND



Genuine
ASPIRIN

SAY "BAYER ASPIRIN" and INSIST!

Proved safe by millions and prescribed by physicians for

Headache Neuralgia Colds Lumbago
Pain Toothache Neuritis Rheumatism

Safe → Accept only "Bayer" package which contains proven directions. Handy "Bayer" boxes of 12 tablets. Also bottles of 24 and 100—Druggists.

Aspirin is the trade mark of Bayer Manufacture of Monoaceticacidester of Salicylicacid

WHEN WRITING TO ADVERTISERS PLEASE
MENTION THE MICHIGAN BUSINESS FARMER

ENDURANCE

Children and adults steadily increase in vigor and endurance on health-giving

Scott's Emulsion

It is invigorating cod-liver oil that tastes good and builds up body and strength effectively. Always use Scott's Emulsion!

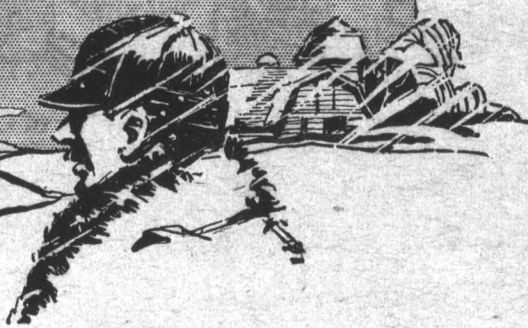
Scott & Bowne, Bloomfield, N. J. 25-65



Just send us your name and address—no money—and we will send you, postage paid, 20 yards of first class piece goods in remnants from 2 to 5 yards, for the remarkably low price of \$1.98. Every bundle contains such materials as chambrays, fancy color voiles, percales, linenes, curtain scrim, crash and lawns. You can't make your own selection of goods. Bundles are worth double our price. Just write us a letter, Don't Send 1 Penny stating that you want 20 yards of remnants, and we will send this bundle to you. Pay the postman \$1.98 for it. We have paid the transportation charges. If the goods are not better than you expected, return it at our expense and we will cheerfully refund your money at once. Order by No. 3. 20 yards of piece goods prepaid, \$1.98. Walter Field Co., Dept. Z1560, Chicago

WHY Stand the COLD

WHICH IS COSTING YOU GOLD



GO SOUTH and PROSPER

Look at the weather report and see the ideal climatic conditions which are existing today in the Southland. No snow, no ice, no forced idleness from work. Crops are growing, and the live stock is feeding out of doors.

While farmers of the North are housed by blizzard weather, the Southern farmer is getting ready to market, at a splendid profit, his early spring crops. Because of greatly increased population, and splendid transportation facilities, there is an ever-increasing demand for farm and dairy products, with attendant better prices.



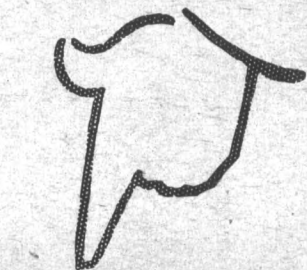
Your family will be happier in the South, for the children can play outdoors every day; flowers grow in mid-winter; heating costs are negligible; and good schools, churches of every denomination, good roads and other attractions add to the joy of living.

Find out more about this delightful section of America. Write today, telling us what kind of farming you have indulged in, and we will send you, without cost, now or ever, full information about how our free service will help you to prosper in the territory served by this railroad.

G. A. PARK
General Immigration & Industrial Agent
Louisville & Nashville Railroad
Dept. MB-6 Louisville, Ky.



LOUISVILLE & NASHVILLE R.R.



No matter what kind of farming you have indulged in, you can do better in the Southland, because of better living conditions, lower living expenses, lower labor costs, and a practically all-year growing season, making it possible to produce several crops each year.

AIDS TO GOOD DRESSING

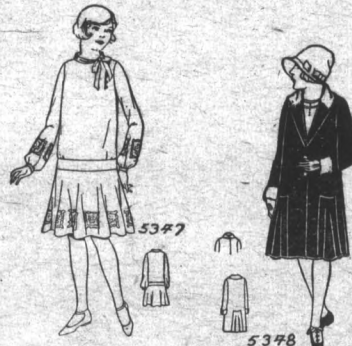


5351-5239. Comfortable Two Piece Dress.—Comprising Ladies' Jacket Blouse or Wind Breaker 5351 and Ladies Skirt 5239. Jersey or homespun would be good for this model with contrasting material for belt, cuff and collar trimmings. The Blouse is cut in 7 Sizes: 34, 36, 38, 40, 42, 44 and 46 inches bust measure. The Skirt in 7 Sizes: 26, 27, 29, 31, 33, 35, and 37 inches waist measure with corresponding hip measure: 35, 37, 39, 41, 43, 45 and 47 inches. The width of the Skirt at the lower edge with plaits extended is 1 1/2 yard. To make this Dress for a 38 inch size will require 4 1/2 yards of 40 inch material with 1/2 yard of contrasting material for facing on collar, turnover and hip band. Two separate patterns.

5350. Popular Style.—The Jumper or Two Piece Blouse Dress is most popular and is shown here attractively in velveteen. It may also be developed in jersey, wool rep, balbriggan or faille. The Pattern is cut in 4 Sizes: 14, 16, 18 and 20 years. A 16 year size requires 2 1/2 yards of 54 inch material and 1/2 yard of contrasting material for the tie, and for facings on collar and turnover.

5348. Coat Style for Growing Girl.—Velvet, kasha, tweed, mixtures and broad cloth are good materials for this pleasing model. The collar may be closed high or rolled open together with the fronts. This Pattern is cut in 5 Sizes: 6, 8, 10, 12 and 14 years. To make the coat for a 10 year size, as illustrated, will require 2 1/2 yards of 54 inch material, and 1 1/2 yard of fur banding 6 inches wide for cuffs and collar.

5347. Frock for Growing Girl.—Creme de chine with embroidery is here shown. This is a good model for velveteen, wool rep or jersey. The Pattern is cut in 4 Sizes: 8, 10, 12 and 14 years. A 10 year size requires 3 1/2 yards of 36 inch material.



ALL PATTERNS 13c EACH—2 FOR 25c POSTPAID

ADD 10c For SPRING AND SUMMER 1926 FASHION BOOK

Order from this or former issues of The Business Farmer, giving number and sign your name and address plainly.

Address all orders for patterns to
Pattern Department
THE BUSINESS FARMER
Mt. Clemens, Mich.

FARM HOME NEEDS TO BE ANALYZED AT CONFERENCE

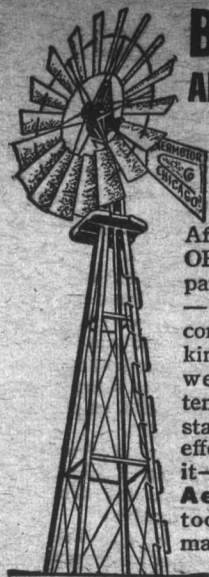
The two day Better Farm Homes Conference which will be held at Hotel Sherman, Chicago, February 18 and 19 will feature on its program discussions by some of the foremost authorities in the architectural and home economics field, of ways and means of making farm homes more livable.

This meeting, which is being sponsored by the Farm Structures Division of the American Society of Agricultural Engineers, will be the first serious attempt to coordinate the abilities of the architect, home economics expert, and agricultural engineer to the end of making the average farm home more efficient, livable and attractive.

From the many social agencies and various organizations interested in this movement for better farm homes, a committee of one hundred will be chosen to act in an advisory capacity. President Calvin Coolidge has been invited to serve as the honorary chairman of this committee. Many other nationally known men and women whose broad knowledge can aid materially in advancing the cause of better homes on our farms will serve as advisors on the many various phases of the movement.

The best poultrymen thaw out frozen combs in their flocks by rubbing snow or ice-water on the combs. Then they apply any good ointment which soothes and heals. Carbollated vaseline will do the trick.

We subscribe to your paper and like it very much.—S. C., Ithaca, Michigan.



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After TEN YEARS OF USE in every part of the world—in all climatic conditions—in all kinds of wind and weather—after ten years of constant study and effort to improve it—the Auto oiled Aermotor is today a proven machine, tried and tested.

MORE WATER WITH LESS WIND

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Backed by greatest experience in building steel windmills.

GREATEST HARNESS VALUES IN AMERICA



Per Double Set **HEAVY FARM HARNESS** Buy Direct Save 25% to 35%

DON'T SPEND A PENNY
Look it Over—Our profits have been cut to the bone to make this the biggest harness bargain in the U. S. A. See these strap sizes and specifications. We guarantee every piece of leather to be absolutely free from any stag or belly leather—only the sturdy steer leather used. Workmanship of the very best. All buckles, rings of best grade.
TRACES—1 1/2 in. by 6 ft., double and stitched, swivel heel chain.
BRIDLES—As pictured, 7/8 in. cheeks.
BRECHING—2 1/4 in. single with full length layer.
BREAST STRAPS—1 1/2 in. with snap slides.
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LINES—1 1/2 x 20 feet.

Order a set today—look it over, see the actual quality, feel the wonderful strong sturdy leather. You take no risk—sent on money-back guarantee. If you are not convinced it is the best buy in harness anywhere send it back and your money will be refunded in full. An exceptional buy—your profit.

FREE Send today for our 1926 Catalog for full description and many other bargains.

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BE COMFORTABLE—

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POWER MILKER \$35

Complete READY TO MILK WHEN YOU GET IT
Send for sensational offer! Milk 18 to 40 cows an hour—easy. Costs nothing to install. Easy to clean. Milks the human way—easy on the cows. 30 Day Trial—10 Year Guarantee—Cash or Easy Terms—a year to pay. Write for FREE BOOK "How to Judge Milkers". Get yours now!
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WHEN WRITING TO ADVERTISERS PLEASE MENTION THE MICHIGAN BUSINESS FARMER

OVER 7,000 FARMERS ATTEND FARMERS WEEK AT M. S. C.

(Continued from page 4)

some 350 correspondence schools, study groups, reading classes, and similar agencies, all concerned with continuing the education of adults. In the United States there are some three and a half million adults taking some form of continuing education service and spending annually about 80 millions of dollars therefor. Director Willard said that there are in the United States about five million youth between the ages of 15 and 20 years and, of these, only about five per cent are attempting to continue their education. Another five million are included in the group of 20 to 25 years and ten per cent of these are securing additional education. Director Willard urged that care be used to select only the best agencies for continuing education. He closed with the appeal that the American people do not allow their physical well being to bring on intellectual laziness, but rather that all strive for an increase in intellectual capacity and in spiritual resources.

Horticultural Day

Thursday afternoon's general program featured two of Michigan's sons who have achieved national reputation as agricultural leaders. Liberty Hyde Bailey, famous as an author and educator, spoke on, "A Retrospect." This retrospect carried him back 49 years to 1877 when he was a student at the M. A. C. He recalled the "hard times" which had then settled down on the nation as a result of the Civil War. The situation was made all the more acute for Michigan because cheap fruit from the west, brought in by the new transcontinental railroads, had captured Michigan's markets. The present situation is discouraging but it is somewhat cheering to know that things were much worse in former years. Now the farmer has more advantages, his standards of living have raised, and the consequent costs are higher. Dr. Bailey expressed the fear that the farmer may have a tendency toward becoming a chronic kicker. He urged meeting the situation as a stoic. "Good production is still the basis of profitable farming," stated Dr. Bailey. "Marketing and organization are secondary."

Talk on Future

Closing the Thursday afternoon general program, our own Pres. Butterfield in "A Prospect" outlined some of the type of things which he believes the Michigan State College will be called upon to do. He believes that, probably within the next 25 years, the college will be asked to help the farmers of Michigan with the following:

1. Marketing, studied to some extent from the standpoint of the consumer. Where, when and how the different products are wanted by the consuming public.
2. Dietary problems.
3. Transportation, with special reference to rates and distances between producing and consuming centers. Also highway and truck transportation problems.
4. Consumers cooperatives, a probable organization in the future.
5. Land leasing, developing a system which will operate to the benefit of the land owner, the tenant and the community.
6. Insurance, including crop insurance.
7. Credit.
8. Taxation.
9. Tariff, insofar as it is divorced from politics.
10. Interrelation of city and country.
11. Country church.
12. Problems of agriculture and country life, considered from a world point of view.

In presenting the above Pres. Butterfield stated emphatically that he was not presenting any set plan or program of work but was rather attempting to indicate some of the classes of problems which will develop in the future and which the M. S. C. will be called upon to help solve. He closed by pledging to the people of Michigan the best service of brain and whole-hearted effort which the Michigan State College, through its various departments and extension agencies, can give.

Riverside Tires

OVERSIZE CORD - BALLOON & TUBES

\$11.95
30 x 3 1/2
For Fords
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"I have a pair of Oversize Cord Tires that have been used more than 12,000 miles and show very little wear and still have the original air in them."—K. K. Kimberly, Torrington, Conn., Star Rt. 2.

"The reason I ordered the Riverside Cord tire was that a friend of mine bought four of them over four years ago and has driven them over 17,000 miles and is still using them. I know this to be a fact, for I saw all four on his car which he drove over from Davenport to visit me."
A. D. Dickinson, 1202-32nd Street, Rock Island, Illinois.

The Greatest Tire Value in the Whole World

You might buy a tire of equal quality, with just as long a guarantee—if you pay more money!

But you cannot buy more tire satisfaction, more mileage, for each penny of the price, than you get in a Riverside.

12,000 miles guaranteed
Your Saving is One-third

Riverside Cords are guaranteed for 12,000 miles; Riverside Balloons for 10,000 miles. And back of this guarantee is a 54 year old name—Montgomery Ward & Co. A name that has always been known to stand for reliability and square dealing.

Our customers know we live up to our guarantee. We could not possibly put our liberal guarantee on a tire unless exceptional quality was built into the tire. You take absolutely no risk whatever in buying a Riverside Tire.



Why Ward's Tire Prices Are So Low

We believe we are the largest retailers of tires in the world. This vast buying power enables us to save on everything that goes into a tire. For example, we buy our own crude rubber in enormous quantities—and always for cash.

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Pound for pound Riverside Tires contain the most new live rubber—they are bigger, heavier, stronger. And yet the price is one-third less than other quality tires. Last year twice as many people bought Riverside. There is the proof of quality, of service.

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FEED MORE Linseed MEAL

You may have been feeding a certain amount of Linseed Meal for its laxative effect—its beneficial action on the bowels. But are you aware that liberal quantities fed for the PROTEIN content, show splendid results? The following are typical endorsements of the general qualities of Linseed Meal.

Increase Milk Flow 15% to 25%.

J. H. Berger, Mgr. Jersey Crest Farms, Oconto Falls, Wis., writes: "Approximately 10% to 15% of our ration consists of Linseed Meal. I have found that in many instances, it has increased our milk flow 15% to 25%, especially in cases where the hay was poor."

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R. J. Barrett, Dallas Center, Iowa, says: "Linseed Meal shortens the finishing period from 30 to 40 days over straight corn and clover hay, and gives a much better appearance and a smoother coat of hair."

Profitable for Anyone Who Feeds Cattle or Hogs.

Mr. C. W. Falcon, Secretary Marion Inter-State Fair Association, Marion, Iowa, states: "I feed Linseed Meal to pigs from the time they commence to eat until they go on the market, right with the other feeds, ground, in self feeders. They get all they want to eat. I would say that Linseed Meal is profitable for anyone who feeds cattle or hogs."

—AND LIKEWISE IT'S PROFITABLE FOR SHEEP AND POULTRY, AND EXCELLENT FOR HORSES, AS WE CAN READILY PROVE.

Balance Your Rations for Greater Profit

We can help you—easily but accurately—it has all been figured out in the two books listed in the Coupon below. These books are chock full of feeding rations which include all manner of feeds in various proportions, extensively used by farmers, breeders, feeders and experiment stations. Get these books, and in addition write to our Secretary, who has had extensive farm and experiment station experience, if you have any unusual feeding problems to solve. No obligation.



Linseed Crushers Meal Advertising Committee

Room 1128 Union Trust Bldg.
Dept. BB-2 CHICAGO, ILL.

Please send me without obligation either or both of the books I have checked with an "X" below:

- ☐ Booklet "Dollars and Cents RESULTS as told by Practical Feeders, Breeders and Dairymen."
☐ Booklet, "How to Make Money With Linseed Meal," by Prof. F. B. Morrison, author with W. A. Henry of the Recognized Authority on Stock Feeding—"Feeds and Feeding."

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Town.....
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"NOT A KICK IN A MILLION FEET"
ROOFING AND SHINGLES

"NOT A KICK IN A MILLION FEET"

EVERY good quality that you would expect to find in a good roof you will find in a Mule-Hide Roof.

Mule-Hide Roofs are noted for extreme long wear. The extra good, all rag felt and imported Mexican asphalt is what assures this longer life.

Mule-Hide Roofs are surfaced with fire resisting, natural slates and minerals. That is why the colors never fade. If we used artificial dyes the sun would soon bleach out the color.

The quality of Mule-Hide is "So good that only the best lumber dealers sell it."

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MORE MILK

~from the cows you have

Every one of your cows is just a milk-making machine. Some of them are capable of a larger output than you are getting. Where is the trouble? How can you get back the money you've invested in feed and care—plus a nice margin of profit? Let Kow-Kare help.

Feed Assimilation Is the Key

Winter feed is hard to digest—hard to turn into milk. Kow-Kare, fed in sparing doses along with the regular diet makes the ideal winter dairy ration. Kow-Kare is all medicine. It builds into the organs that gather the milk the power to reach new heights of production—with perfect safety to the general health of the cow. All the milk value of the ration is turned into the pail, instead of partly wasting away.

For the average cow, a tablespoonful in the feed one week a month is sufficient to keep the digestion vigorous, the assimilation responsive, the health and appetite robust. The slight investment in this Kow-Kare treatment is only a fraction of what you realize in greater milk-flow. The best of it is, you need not take Kow-Kare on faith—the advantage of using this wonderful conditioner is positive, visible, sure. In a few days you'll see the difference in the milk pail.

Cow Diseases How To Correct Them

The part that Kow-Kare performs in correcting such cow ailments as Barrenness, Retained Afterbirth, Abortion, Scours, Bunches, Milk Fever, etc., is fully explained in our book, "The Home Cow Doctor." A copy of the new issue just off the press is yours for the asking. Used the year 'round by thousands of dairymen.

Be sure to let Kow-Kare work for you this winter. It will mean more milk and more money for you. Two sizes, \$1.25 and 65c. If your feed dealer, general store or druggist cannot supply you, we will send by mail, postpaid.

Dairy Association Co., Inc.
Dept. 12 Lyndonville, Vt.

Bag Balm
10-ounce
can, 60c



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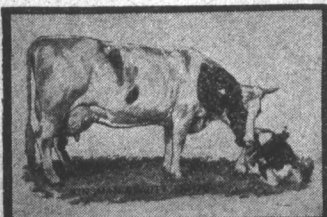
"Like an extra cow in the dairy"

BAG BALM

Health Insurance for Udder and Teats



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ARE YOUR COWS Losing Their Calves

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AT SMALL COST

Ask for FREE copy of "The Cattle Specialist," our cattle paper. Answers all questions asked during the past thirty years about abortion in cows. Also let us tell you how to get the "Practical Home Veterinarian," a Live Stock Doctor Book, without cost. Veterinary advice FREE. Write tonight. A postal will do.

Dr. David Roberts Veterinary Co., Inc., 152 Grand Ave., Waukesha, Wis.



NEWTON'S Compound
Heaves, Coughs, Conditions, 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.

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A Practical, Proven Power Cultivator for Gardeners, Suburbanites, Truckers, Florists, Nurserymen, Fruit Growers. American Farm Machine Co. 1028-33rd Av. S. E., Minneapolis, Minn.



DAIRY AND LIVESTOCK

PIGS WEIGH NEARLY TWO AND HALF TONS AT SIX MONTHS

It is an unusual honor in these times of improved husbandry to establish a world record; it is not often that a world record is made and then surpassed on the same day by other animals of the same owner's breeding and feeding. instance where such a record has been made, therefore the Ideal Farm owned by the W. T. Rawleigh Co. of Freeport, Ill. and who accomplished the world and reserve world records in the ton litter contest which was completed on September 26, 1925 are to be congratulated.

These two litters are pure-bred Poland China of the farms own breeding and feeding; both litters were farrowed on March 30th and were immediately entered in the ton litter contest. These litters at time of weighing contained 15 and 16 pigs respectively. The larger litter at farrowing time contained 18 pigs, but two of them were destroyed as they were weak and unthrifty.

The litter containing 15 pigs was weighed first and the total weight was 4511½ lbs., an average of 300 11/15 lbs. each. This was a world record as it exceeded the best previous record of 4408 lbs. made by an Ohio litter by 102½ lbs. Within an hour this record was broken by the other litter owned and fed by the same farm.

The second litter of 16 pigs was weighed and the total weight was 4789 lbs., an average of 299 5/16 lbs. each. This litter averaged 1 5/12 pounds per pig less than the reserve world champion litter.

These litters were fed skim milk containing home made pig meal, also ear and shelled corn, minerals, small amount of tankage, and had rape pasture. They were not exceedingly fat and walked fully a quarter of a mile to the weighing scale with ease. The shelled corn and dry pig meal was fed in self-feeder. The pig meal was composed of bran, corn meal, linseed flour, rolled oats, flour middlings, beef scrap, gluten feed, dried buttermilk, molasses, salt and charcoal; the cost per ton was \$40.74.—Dr. G. H. Conn.

FEEDING GROUND BUCKWHEAT

Please tell me if ground buckwheat can be fed to milk cows successfully. If so, what other grain should be added and what amount fed?—E. P., Kingsley, Mich.

GROUND buckwheat is seldom fed to dairy animals because of its utilization for human food. However, it has about the same feeding value as most of the other farm cereals.

Because you do not say what roughages you are feeding to your cows I will have to send you four different rations suitable for feeding with alfalfa hay, clover hay, mixed hay, and timothy hay and corn stalks respectively. These rations are based on the assumption that the cow is getting about one pound of hay and three pounds of silage to one hundred pounds of liveweight or two pounds of hay to one hundred pounds of liveweight if silage is not fed. The grain mixture should be fed at the rate of one pound of grain to each three to three and one-half pounds of milk produced if you have Jerseys or one pound of grain to each three and one-half to four pounds of milk produced if you have Holsteins.

With Alfalfa Hay

280 pounds ground buckwheat, 250 pounds ground corn, 200 pounds bran, 100 pounds oil meal, and 300 pounds ground oats.

Mixed Hay

100 pounds ground buckwheat, 100 pounds ground corn, 200 pounds ground oats, 200 pounds bran, 200 pounds cottonseed meal.

Clover Hay

200 pounds ground buckwheat, 200 pounds ground corn, 400 pounds ground oats, 150 pounds bran, 200 pounds cottonseed meal.

Timothy Hay, Corn Stalks, Etc.

125 pounds ground buckwheat, 125 pounds ground corn, 300 pounds ground oats, 150 pounds cottonseed meal, 200 pounds oil meal.—J. E. Burnett, Associate Professor of Dairy Husbandry, M. S. C.



THE winter lay-off softens horses—makes them easy prey for strains, bruises and minor ailments. That's why it's important to keep Gombault's Caustic Balsam on your shelf—ready for instant use. For over 41 years it has been famous as a remedy for Sprains, Spavin, Splint, Capped Hock, Curb, Fistula, Thoroughpin, Shoe Boils, Poll Evil, Wire Cuts and Muscular Inflammation.

Apply it yourself. Just follow directions that come with bottle. Much better than firing and doesn't discolor the hair or leave the slightest scar. Don't let your horses suffer from something you can cure yourself. Buy Gombault's Caustic Balsam today, \$2.00 at all druggists, or direct from us on receipt of price. The Lawrence-Williams Co., Cleveland, O.

GOOD FOR HUMANS, TOO

GOMBAULT'S
Caustic
BALSAM

BREEDERS' DIRECTORY

Ads under this heading 30c per agate line for 4 lines or more. \$1.00 per insertion for 3 lines or less.

CLAIM YOUR SALE DATE

Mar. 3.—Shorthorns, W. W. Knapp, Howell, Michigan.

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.

MICHIGAN'S PURE-BRED LIVESTOCK AUCTIONEER

Write or wire for terms and dates.
G. P. PHILLIPS, Bellevue, Michigan.

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MAY — GUERNSEYS — ROSE

STATE AND FEDERAL ACCREDITED
Bull calves out of Dams up to 877 pounds fat. Sired by Bulls whose Dams have up to 1011 pounds fat. The homes of bulls; Shuttleworth May Rose Sequel, Jumbo of Briarbank and Holbeck's Golden Knight of Nordland. From Dams producing 1011.18 fat, 772 fat and 610 fat.
GEORGE L. BURROWS or GEORGE J. HICKS, Saginaw, W. S., Michigan.

PRACTICALLY PURE BRED GUERNSEY heifer calves. 8 weeks old \$20 each. We ship C. O. D. Order or write
L. TERWILLIGER, Rt. 1, Wauwatosa, Wis.

PRACTICALLY PURE BRED GUERNSEY DAIRY calves. \$20.00 each. Shipped C.O.D. Satisfaction guaranteed. L. SHIPWAY, Whitewater, Wis.

GUERNSEY OR HOLSTEIN DAIRY CALVES. \$20.00 each, shipped anywhere. EDGEWOOD FARMS, Whitewater, Wisconsin.

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FOR SALE

My Entire Herd of 37 Registered
SHORTHORN CATTLE
This is one of the oldest herds in the state and will be sold at a bargain.
W. W. KNAPP, Howell, Michigan.

SHORTHORNS: BULLS AND FEMALES from the best families. We are for the next sixty days making a special price on bred heifers. One of the leading herds in the country. Over 100 head to select from.
Write to Manager.
GOTTFREDSON FARMS, Ypsilanti, Michigan.

MILKING TYPE SHORTHORNS, OF THE best of breeding, with milking ability. Bulls from 4 mo. to 1 yr old. A few choice heifers, both bred and open.
T. I. MARTIN, R. D. 1, Ionia, Michigan.

HEREFORDS

HEREFORDS—OLDEST HERD IN U.S.
We have some good bulls for sale. Farmers prices.
CRAPO FARMS, Swartz Creek, Mich.

HEREFORDS—BOTH SEXES, INDIVIDUALLY good, high class breeding. Farmer Fairfax (891680) a State Fair Junior Champion, at head.
E. J. TAYLOR, Fremont, Michigan.



This new book helps keep your horses sound!

The new "Save-The-Horse" Book shows how to keep horses in perfect condition. Tells how to locate lameness and ailments—tells what to do and how to do it.

A free book every horse owner should have. Full of worthwhile veterinary information. Over 32 years of successfully treating horse ills are behind this book. A real source of practical horse knowledge.

"Save-The-Horse" Remedies can keep lame horses working. No more delays—no more worries.

"Save-The-Horse" is sold with a signed guarantee. Your horse is cured or we refund your money.

Testimonial

My mare had a bad case of hoof contraction and thrush. She would go quite lame after working about thirty minutes. I used "Save-The-Horse" under your proposition and followed directions during a ten week period, and used her for work and to drive every day. Her appetite improved as well as her feet and she gained steadily. I still own her and she now drives and works as good as ever.

F. E. WHITE, Greenfield, Mass.

Write today

for your free book and a sample guarantee. Also any veterinary questions gladly answered, free of charge.

TROY CHEMICAL CO.
339 State St., Binghamton, N. Y.

Keep your cows healthy, too! Ask for our free illustrated booklet that describes our "Cura-Bos" preparations. Tells what to do for sick and run-down cows.

Sent prepaid, or ask druggist or dealer.

JERSEYS

REG. JERSEYS, POGIS 99th OF H. F. AND Majesty breeding. Young stock for sale. Herd fully accredited by State and Federal Government. Write or visit for prices and description.

GUY C. WILBUR, Belding, Mich.

FOR SALE—REGISTERED JERSEY BULL
calves from high producing dams.
J. E. MORRIS, Farmington, Michigan.

HORSES

HORSE SALE

PERCHERONS AND BELGIANS.
MARES AND STALLIONS.
SOME GOOD TEAMS.

WEDNESDAY, MARCH 10—12:30 P. M.
Sales Pavilion, M. S. C.

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R. S. Hudson, Sec'y. East Lansing, Mich.

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O. I. C. HOGS FOR SALE, TRIED SOWS,
and Gilts.
JAMES LEAVENS, Linwood, Michigan.

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FOR SALE—BIG TYPE POLAND CHINA PIGS
either sex. At reasonable prices. Also open and
bred gilts. R. J. Dudgeon, R1, Coshocton, Ohio.

POULTRY

BARRED PLYMOUTH ROCK COCKERELS.
Standard color and shape. Bred from heavy pro-
ducers. Write for prices.
W. C. Coffman, Route 3, Benton Harbor, Mich.

(Breeder's Directory Continued on
Page 31)

CLEANING BARNYARD TO COLLECT INDEMNITY

I have had two cows that reacted to the tuberculin test. The Department or Commissioner requires that "yard be scraped" as part of the requirement to secure compensation for condemned animals. Now any practical farmer knows it would be impossible to clean up a yard properly at this time of year. If those managing the test wanted this work done why didn't they start the work the first of September. Is there something one could use in the yard—Hme or something of the sort? We are just as anxious and interested as anyone else can be in stamping out this disease.—C. H., Plainwell, Mich.

THE law specifies that before any indemnity is paid for tuberculous cattle, the Commissioner must be satisfied that the premises, which are occupied by such animals, have been cleansed and placed in a sanitary condition.

The fact that it is very difficult, and sometimes impossible, to clean and disinfect at certain seasons of the year is fully appreciated, but the testing cannot be adjusted for all parts of the state in such a way as to eliminate this factor. Owing to the demands for the work and the limited force available, it is necessary for the department to conduct tuberculin tests at all times of the year in some parts of the state.

If you find it impossible to clean your barnyard at this time of the year, it is suggested that you do the best you can with the idea in view of preventing cattle from coming in contact with the unclean portions of the premises, if possible, and the intention to thoroughly clean and disinfect as soon as weather conditions will permit.—B. J. Killham, State Veterinarian.

PINT NOT POUND, SAY DAIRYMEN

A PINT of milk is not a pound the world around, declare dairy men at state college of agriculture. Even a pint of water weighs more than a pound and milk is heavier than water. So that a literal interpretation of the old rule that a pint is a pound might mean the difference between profit and loss to a dairyman selling milk on a narrow margin.

The standard quart of milk of average composition weighs 2.153 pounds, and a forty-quart can of milk weighs forty times 2.153 or 86.12 pounds.

In some plants where milk is bought by the can and later converted to a weight basis, 2 1/4 pounds is used as the weight of a quart and a forty quart can is credited at 85 pounds.

In no case, though, say the dairy men of the college, should anyone take the old adage at its face value, and accept payment for a forty quart can of milk on the basis of 80 pounds for the full can.

VETERINARY DEPARTMENT

Edited by DR. GEO. H. CONN

SHEEP BLIND

I am going to tell you about one of my sheep. She acts so wild when I let her out and runs around like she was dizzy, then she will stand and stare in one direction. It seems as though she can't see if I pass my hand over her eyes. She won't even wink. It is one I bought lately. She will run up against the wall or anything just like she cannot see. Will you please tell me what to do for her?—Mr. C. W., Rogers City, Mich.

YOU are probably right in thinking that your sheep is blind; if blindness is due to some organic condition affecting the eyes it is not likely that anything can be done for her. Conditions of this kind sometimes result from cysts which are the result of gid flies and are known as gid in the head; if so this animal may stand with its head in the corner in a short time or walk in circles or show other symptoms of mental trouble; also symptoms of nervous trouble along with it. If this animal is in marketable condition would think it advisable to market it before something develops that makes it unfit for meat. As it is now there should be nothing wrong with it for meat.

CREAMERY

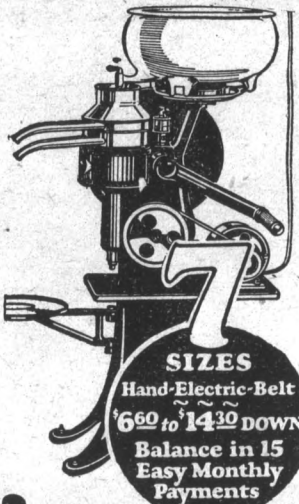


Just Suppose You did this every week

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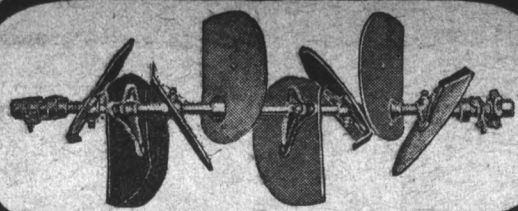
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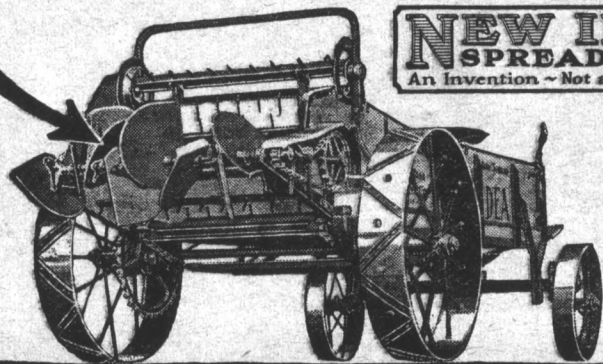
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Wolverine Leghorns have large lopped combs; big, deep bodies; are uniform in size and type; and produce quantities of large, white eggs in winter when egg prices are high. Satisfied customers everywhere endorse Wolverine Baby Chicks.

Bred for Size, Type and Egg
Production Since 1910

All breeders accredited by Michigan State College and Michigan Poultry Improvement Association. Don't buy any chicks until you have our new 1926 catalog explaining our matings in detail and how you can have greatest success with poultry. Write for copy, it's FREE.

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WHITE LEGHORN CHIX CERTIFIED OFFICIAL EGG PRODUCTION QUALITY

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Grandview Chicks for 1926 possess the rich production inheritance of our official contest winners. Our breeding methods assure you of strong sturdy chicks that will grow rapidly and develop uniformly, maturing at the proper age when they have attained the best physical development to support their high production breeding.

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HIGHEST PRODUCTION QUALITY. That is what you get in KEYSTONE CHICKS. CONTEST WINNERS bred for heavy egg production, vigor and health. 100% Live Delivery Guaranteed—Postpaid prices 50¢ 100 500 1000
Foreman Strain Banded Rocks..... \$10.50 \$20.00 \$95.00 \$190.00
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Heavy Assorted, 100, \$13; 500, \$65. Assorted all varieties, 100, \$12; 500, \$60. Order direct from this ad or get Catalog at once. Member I. B. C. A. Dept. 51
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OHIO ACCREDITED CHICKS

THEY COST NO MORE AND YOU CAN FEEL SAFE
Our chicks are from leg-banded stock selected by experts, trained and approved by Poultry Department, Ohio State University. You can feel safe, for you know every chick is up to standard set by University for breeding and egg production.

SEND FOR OUR BIG CATALOG It tells all about our pedigreed males and special pen matings. Also gives details about our high producing utility birds. Prices reasonable. Write today. WOLF HATCHING & BREEDING CO., Box 32, GIBSONBURG, OHIO

BROADSCOPE FARM, NEWS AND VIEWS

(Continued from page 8)

who always kept a good sized bunch of hogs. One year he had none, and in reply to the reason he answered, "I've always had hogs whether I had any feed or not, and generally it's been 'or not', and this year I'm going to have feed whether I have any hogs or not. Just for once I want to have some feed to look at, then after looking at it for a while I may get some more hogs, but not enough to eat it all. I've always had the hogs and then tried to get the feed; from now on I am going to get the feed first, and then the hogs."

This Butternut farmer asks if \$1,500 cash income should be considered good for a sixty acre farm. This is an income of twenty-five dollars per acre on the average, and it would seem a fairly good one. Does he mean \$1500 net cash income, or must there be feed, fertilizer, etc. paid for out of this? Some farmers are hardly fair with themselves when they think their farm has earned them a certain sum the past year. Often this sum is the gross returns from sales made, and may include the sale of a few hogs, which were purchased to feed, or some lambs or other stock. It may include wheat, hay, etc., which was grown by the use of purchased fertilizer. It is the net returns which count. How is it with you farmers? Is your farm yielding twenty-five dollars per acre, gross income or net?

It would be very interesting to hear from a number of farmers along the line of their income. Write the article for publication in the M. B. F. The article need not be personal, but give the facts. Your name will be withheld if you request it. If you do not care to write the article for publication, sent it to the Broadscope Farm department, care M. B. F., Mt. Clemens. The essential parts of a few of these letters would be good subject matter for future articles.

At your request your letter will be rearranged and printed, with your initials or town used as your signature. In any event always sign your full name when writing anything to the publishers. It will not be used without your say so.

ED McINTOSH SAYS:

(Continued from page 11)

way he trims his trees I reckon he ain't forgot his old trade.

Now take Bill Wicker, he's just the opposite. He never trims his trees a-tall and I've heard tell that once an on-experienced little bird tried to fly through one of 'em and the pore thing broke its neck.

A CORRECTION

IN this department in our January 30th issue we published an item to the effect that Prof. N. L. Partridge of the M. S. C. had predicted the greatest grape crop in the history of the state for 1926. This information was received from what we believed to be a reliable source, we have a letter from Prof. Partridge denying ever making such a statement. We are sorry this has happened and hasten to make this correction in our columns.

NEW LAMP BURNS 94% AIR

Beats Electric or Gas

A new oil lamp that gives an amazingly brilliant, soft, white light, even better than gas or electricity, has been tested by the U. S. Government and 35 leading universities and found to be superior to 10 ordinary oil lamps. It burns without odor, smoke or noise—no pumping up; is simple, clean, safe. Burns 94% air and 6% common kerosene (coal oil).

The inventor, A. R. Johnson, 609 W. Lake St., Chicago, Ill., is offering to send a lamp on 10 days' FREE trial, or even to give one FREE to the first user in each locality who will help introduce it. Write him to-day for full particulars. Also ask him to explain how you can get the agency, and without experience or money make \$250 to \$500 per month. (Adv.)

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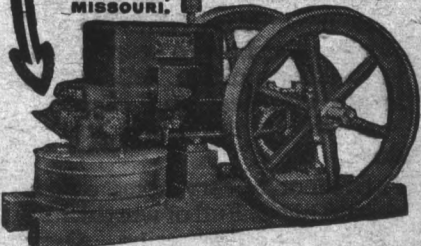
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FREE—Send for our latest Engine Book, or if interested, ask for our Log and Tree Saw, 3-in-1 Saw Rig or Pump Catalogs. No obligation.

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Save \$5 to \$8—Factory Prices

This brooder raises more and better chicks at lowest cost. Stove is sturdy, safe, air-tight, self-regulating—best in world to hold fire. Burns soft coal better than any other brooder. Also burns hard coal, wood, etc. Automatic regulator maintains uniform heat night and day. Canopy spreads heat evenly over chicks, gives pure air. 500 and 1000 chick sizes. Backed by 8 years' success. Guaranteed. Express paid E. of Rockies. Stovepipe outfit sent FREE with brooder. Lowest price. Write us TODAY. F. M. Bowers & Sons 1418 W. Wash. St. Indianapolis, Ind.

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MACOMB POULTRY FARM
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Egg bred 25 years. Guaranteed to live. Shipped C.O.D. Low Prepaid Prices. Also Cockerels, Pullets and Hens. Write for Special Price List and Free Catalog. GEO. B. FERRIS, 942 UNION, GRAND RAPIDS, MICH.

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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, 86-M Durston Bldg., Syracuse, N. Y.

Mr. Jackson is responsible, above statement true.

How to Tell Roup Canker

and Other Poultry Diseases
It's mighty important to know what's wrong when birds take sick. The disease may spread thru the entire flock almost overnight. Quick action is needed to stop loss. Our booklet tells how to recognize different diseases.

and What to Do

This book has SAVED poultrymen thousands of dollars. It's really so easy and costs so little to prevent disease: A little B-K fed in the drinking water and spraying with the famous B-K and water mixture. It's simple, it's safe, and thousands of poultrymen know it's dependable.

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It may save you hundreds of dollars this year.

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BLUE HEN COLONY BROODERS

Experienced poultrymen use Blue Hens because they are so dependable and raise such sturdy, and healthy chicks.

20% extra value and extra size—large volume of sales makes possible the low price shown.

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Guaranteed to Hatch More Chicks

The extra chicks hatched pay for the incubator in a short time. Finest construction, but cheaper because it gets better results. Patented 2-circuit hot water heating system and tilting chimney. World's two greatest incubator improvements—found only in the 103-Degree. Correct temperature, ventilation and moisture continually regardless of outside changes. No sleepless nights, no chilled or roasted eggs.

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Try it, compare it. Don't keep it if not all we claim. Write today for beautiful free book and Free Trial Offer, 103-Degree Incubator Co., Box 40, Crown Point, Ind.

Electric BROODER

RAISES 'EM RIGHT!

Healthy heat, day and night, any temperature desired. All automatic. Needs no attention. No muss, fuss, or fire danger. Gives you healthier, more vigorous birds—quicker and with less loss.

PAYS FOR ITSELF
In time saved, effort saved, chicks saved! Amazingly simple—operates on any electric current—merely attach plug. More convenient. More economical. Lifetime service.

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If your hatchery or hardware store can't supply you—order direct. Write TODAY for FREE folder with full details. HATCHERIES: Sales for you—get our proposition AT ONCE.

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68 BREEDS Fine pure bred chickens, ducks, geese, turkeys, Northern Super quality heavy egg producers. Fowls, eggs, baby chicks, at low prices. 25 years with America's finest poultry. 10,000 prizes. Large illustrated catalog free.
A. A. ZIEMER, Box 7, Austin, Minnesota.

Poultry Department

INCUBATION

By D. E. Spotts

(Editor's Note: The first article of a series by Mr. D. E. Spotts, a young man who has made a study of poultry, on the hatching and raising of baby chicks. Other articles will appear in following issues so watch for them.)

It will soon be the time of year when many people begin to think about the hatching of eggs. The great majority are rather reluctant about getting their incubators in shape before the hatching season arrives. For the best results the incubator should first have a thorough overhauling, as, during the winter, much damage can be done to pipes in the form of corrosion; to essential parts, such as those which regulate thermostat; to water tanks, lamp, and thermometers. In incubators which use screen trays it is often advisable to replace the old screen, as it is of great advantage to maintain as level a condition of the egg tray as possible.

The incubation room should have considerable attention throughout the hatching period, especially during the changeable weather which is common during the spring months. The room should be free from dampness and direct sun rays, but if it is impossible to avoid the latter, care should be taken to place the incubator away from direct sunlight, which would complicate the problem of maintaining a constant temperature.

After the incubator has been leveled, washed disinfected, and is in readiness for use, the next problem to be considered is selection of eggs. While the weather remains chilly and damp it is very essential that the eggs be gathered several times during the day. It is also very desirable to select eggs which have a good texture. Shells which seem porous or appear spotted when held before a bright light, or shells which have creases, rings, or any other unnatural condition should never be placed in the incubator. Eggs used for incubation should not be more than two weeks of age. The regulation of the heat and moisture, and the turning of the eggs should follow directions received with the incubator.

During recent years there has been a widespread interest in the buying of day-old chicks. Thus a great many of the farmers are discarding their incubators. With the problem of incubation placed in the hands of hatcheries more time and space will be devoted to housing, feeding, and care of baby chicks.

SNOW OR ICE-WATER HELPS FROZEN COMBS

"THAW frozen combs on poultry by applying snow or ice water," say poultrymen at the state college of agriculture at Ithaca, N. Y. "Carbolated vaseline, which may be purchased at most drugstores, will do the trick. A new Jersey agricultural bulletin suggests the following ointment: five parts of vaseline, three parts of glycerine, and one part of turpentine by volume. This should be applied gently and rubbed in fairly well. Remove the black dead tissue from badly frozen combs, so that they will heal more quickly.

"At this time of year many flocks suffer from frozen combs. This trouble is particularly bad with roosters of the single comb White Leghorn breed because their combs are so big. If a rooster's comb is badly frozen, it seriously affects his vigor and impairs his usefulness in the flock."

Poultrymen say that the best farmers in the country put their roosters in the breeding pens early in the winter and watch them carefully during the coldest weather so as to minimize the danger of freezing. The New York College recommends curtains in front of the roost on very cold nights in narrow houses. This is not recommended in houses that are wider than fifteen feet. Another suggestion is the use of wooden floats with one-inch holes in them to be placed in the drinking vessels. This reduces the danger of freezing, as it keeps the birds from dipping their wattles in the water when they drink.

In exceptional cases, it may be

PAN-A-CE-A

your breeders at mating time

YOU WANT fertile eggs for hatching—eggs that will hatch into strong, livable chicks.

See to it that your flock, your hens and roosters, are in the pink of condition at the time the hatching eggs are laid.

Dr. Hess Poultry Pan-a-ce-a is a tonic—not a stimulant.

A tonic that imparts to the parent stock that spark of health and vigor that means fertile eggs for hatching.

Eggs that will hatch strong, livable chicks—not dead in the shell—not puny and weak.

Costs Little to Use Pan-a-ce-a

The price of just one egg pays for all the Pan-a-ce-a a hen will eat in six months.

There's a right-size package for every flock.

100 hens the 12-lb. pkg.

60 hens the 5-lb. pkg.

200 hens the 25-lb. pail

500 hens the 100-lb. drum

For 25 hens there is a smaller package

REMEMBER—When you buy any Dr. Hess product, our responsibility does not end until you are satisfied that your investment is a profitable one. Otherwise, return the empty container to your dealer and get your money back.

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Chicks a Specialty!

Michigan accredited chicks from flocks which have stood careful inspection. Our White Leghorn Cock Bird won 1st at Eastern Michigan Poultry Show, 1926 in both production and exhibition classes. We won first in pullet class. Prices (Postpaid) On: 25 50 100 500 1000
White Leghorns (Wyckoff strain) \$4.00 \$7.50 \$14.00 \$67.50 \$130.00
Barred Rocks, R. I. Reds, 4.25 8.00 15.00 72.50 140.00
Wh. & Br. Rocks, Wh. Wyandottes 4.50 8.50 16.00 77.50 150.00
Assorted Chicks \$12.00 per 100.

DEAN EGG FARM & HATCHERY, BOX D

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OFFICIALLY APPROVED by the State of Michigan. Every breeder passed by inspectors under supervision of Michigan State College. Every male individually examined and banded by a state inspector. OUR ACCREDITED LEGHORNS represent 13 years of careful breeding on our 65-acre farm. Foundation of Tancred, Holly-wood and Barron. ACCREDITED S. C. Brown Leghorns, Anconas, (Sheppard's Strain), Barred Rocks from matings passing the same standard. When you order Town Line Chicks you get the advantage of a "Personal Service" few hatcheries can duplicate. Our new free catalog describes our egg contest records and show winnings. Write for it today. J. H. GEERLING, Owner. R. F. D. 1, Box M. Zeeland, Michigan.

LOOK Buy Our State Accredited Chicks Big Discount on Early Orders

Inspector left only big profitable breeders in our flocks. 15 best varieties ever produced 9c and up. We have some pedigreed cockerels in our flocks. Some winning 1st and 2nd prize in production class. Also trapping the Tancred pullets. So our chicks should be as good as money can buy. Hatching eggs. Get free circular with big discount before buying elsewhere.

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Laying Strains Barred Rocks, S. C. Reds, \$4.00 \$7.50 \$14.00 \$67.00
Laying Strains White Rocks and Wyandottes, 4.50 8.50 16.00 77.00
Order right from this ad in full confidence. Bank Reference or Dun Mercantile Agency. Send at once for "TRUTHFUL" CATALOG. HILLCROFT FARM, Dept. 52 COOPERSVILLE, MICH.

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EXCLUSIVELY. STATE ACCREDITED FLOCKS AND HATCHERY. Some Males from hens with records up to 295 eggs per year. Contest record flocks. Pedigreed Tancred Males. Only selected, strong, vigorous and healthy hens are mated to produce our Chicks. If you want really choice, vigorous Chicks of this breeding, give us your order this season. Chick prices very moderate considering Quality, and we will make every effort to please and satisfy you. Get Catalog and full price details before buying elsewhere. STAR HATCHERY, L. Tinkoff, Prop. Box T, HOLLAND, MICHIGAN.

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An Accredited Chick Is A Better Chick

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Tancred and Tom Barron

S.C. White Leghorn CHICKS

Michigan State Accredited Chicks Are Better Chicks

All our flocks are individually inspected by the Michigan State College of Agriculture—individually leg-banded with state sealed and numbered leg band. Insures highest quality. 150 Finest Tancred Males and Finest Large Tom Barron Males now head our flocks. Best blood lines in the country.

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Profit Producing Baby Chicks

S. C. White Leghorns

Barred Rocks

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Michigan Agricultural College inspected and approved. Better chicks—at low cost.

Strong, healthy, free range stock. Tancred and Tom Barron White Leghorns, S. C. R. I. Reds, Park's Barred Rocks. Best blood lines in the country.

You will make greater profits this year with B-F Chicks. Write for low price and free catalog today.

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Cod Liver Oil with Buttermilk Gives Amazing Poultry Results

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Thousands of poultrymen are getting just such amazing results as the above, through a simple, easy new feeding method that is revolutionizing old fashioned feeding rations.

By mixing Genuine Semi-Solid Buttermilk and pure high vitamin content Cod Liver Oil, poultrymen from the largest to the smallest have broken all their former egg laying, hatching and raising records.

Today you can get this remarkable feed already mixed in any size container from gallon cans to fifty gallon barrels. And it all contains pure cod liver oil—lots of it. This process of feeding, its endorsements from egg laying contests, the statements of some of the users and full information on the remarkable results it guarantees are fully described in a circular, "Semi-Solid Buttermilk and Cod Liver Oil" one copy of which will be sent free to any reader of this paper raising poultry.

This is the biggest advance in poultry feeding methods of recent years. It can't help but increase your profits—don't fail to learn all about it. Simply send your name and address and the name and address of your feed dealer to Consolidated Products Co., 4750 Sheridan Road, Chicago, Illinois, Dept. 118.—(Adv.)

SELL YOUR POULTRY THROUGH THE BUSINESS FARMER

Wynngarden Strain



TANCRED HOLLYWOOD BARRON WHITE LEGHORN BABY CHICKS

MICHIGAN STATE ACCREDITED

Five of our hens laid 270 eggs at the 1925 Michigan International Egg Laying Contest. Ten birds 1924 contest averaged 232 eggs. We also hatch Brown Leghorns, and Anconas. Discount NOW on early orders. FREE Catalog gives full particulars and tells why leading egg farmers choose Wynngarden Strain Chicks. Send for copy at once.

WYNGARDEN FARMS & HATCHERY

Box B

Zeeland, Michigan

WASHTENAW Baby Chicks

PURE BRED BABY CHICKS MICHIGAN ACCREDITED

We have not only selected our breeding stock and mated our birds for best results, but we have joined the Michigan Accredited Association. An inspector from the Agricultural College approves every bird. This work is for your protection and gives you the most up-to-date in baby chicks. Write for literature and price list. Our chicks cost no more and you can feel safe. 100% live delivery. Write today. Get Your Order Booked Early.

WASHTENAW HATCHERY

2500 Geddes Road

ANN ARBOR, MICHIGAN.

HOLLAND HATCHERY

It will pay you to investigate one of Michigan's oldest and best hatcheries. Eighteen years' experience at your service. Every chick hatched from carefully selected, rugged free range breeders. Every breeder officially passed by inspectors from Michigan State College. Absolute satisfaction in the hands of our old customers has necessitated increasing our capacity. **WHITE LEGHORNS, Large Type English, Special Mated American Barred Rocks, ANCONAS, S. C. R. I. REDS.** Buy your Michigan State Accredited chicks from an old reliable concern with an established reputation for square dealing. 100% live delivery. Get our valuable Free Catalog before placing your order. Van Appledorn Bros. R7-B, Holland Hatchery & Poultry Farm, Holland, Mich.



Downs Strain White Leghorns

have been bred for egg production for nineteen years. They are great winter layers. Many of Michigan's largest egg farms purchase their chicks from us each year. One reports 64% production in November from 775 pullets. Our flocks, hatchery and chicks are all accredited by Mich. State Poultry Improvement Assn. and Mich. State College. Write for our free catalog today. Prices reasonable.

W. A. DOWNS POULTRY FARM, R.F.D. 2, Washington, Mich.

UNUSUAL WHITE LEGHORNS



Buy Michigan State Accredited Chicks

From one of the founders of the chick industry 24 years in the business. One of the most reliable hatcheries which has been putting out guaranteed chicks for years. Our flocks are the result of careful breeding and culling over a period of years. All our flocks have been state accredited and our Male Birds have been legbanded by the state. When seen our chicks recommend themselves. S. C. White Leghorns, Barred Rocks, Rhode Island Reds, Dr. L. E. Heasley Egg Basket Strain Buff Leghorns. Write for free catalog.

Meadow Brook Hatchery & Farms,

Box M, R. R. No. 1,

H. De Pree Sons.

Holland, Michigan.

LAKEVIEW POULTRY FARMS

Buy Michigan State Accredited chicks from Lakeview. Official contest records. Every breeder inspected and passed by representatives of Michigan State College. 100% live delivery prepaid. Order from this ad.

Varieties	On	25	50	100	500	1000
White Leghorns (Tancred)	\$3.75	\$7.00	\$13.00	\$22.00	White for Barred Rocks (Parks strain)	\$2.25
S. C. & R. C. Rhode Island Reds	4.25	8.00	15.00	72.00	Special	
Special Matings Higher	4.25	8.00	15.00	72.00	Prices	

Mixed Chicks \$10.00 per 100. All heavies \$12.00. Free catalog tells all about Lakeview Chicks. Write today.

LAKEVIEW POULTRY FARM, R. R. 8, Box 3, HOLLAND, MICHIGAN

UNDERMAN CHICKS

Chicks that are hatched from free range breeders carefully selected. Our flocks and hatchery inspected and passed by representative of Michigan State College. Refer you to State Commercial Savings Bank. Order from this ad.

Prepaid prices on	25	50	100	500	1000
S. C. Wh. and Br. Leghorns	\$4.00	\$7.00	\$13.00	\$62.50	\$120.00
Bd. Rocks and S. C. R. I. Reds	4.75	8.00	15.00	72.50	140.00

Mixed Chicks \$10.00 per hundred

10% down books your order. Free catalog. 100% Live delivery prepaid.

HUNDERMAN BROS. R. R. No. 3, Box M, ZEELAND, MICH.



ROYAL EGG BRED LEGHORNS

CHICKS FROM CONTEST WINNING BLOOD LINES

Our white Leghorns won the 1925 Michigan Egg Contest. 1000 birds entered. Contest average 176 eggs per bird. Our pen average 241 per bird. Fifty sisters of these contest winners averaged 200 eggs per bird at home. Brothers and sons of these birds head the matings from which I will hatch this year. They are Michigan State accredited. In spite of increased demands for our chicks we have neither increased our capacity or prices. Write today for free circular that tells how you can secure chicks from these winning blood lines at moderate prices. "75% of our business is from old customers." You too, can join the list of satisfied users of this Royal strain.

ROYAL HATCHERY & FARMS, R. R. 2, Box B, ZEELAND, MICHIGAN.



Egg Produced Elgin White Leghorns

Tom Barron mating with Tancred males. Elgin chicks are large, vigorous and peppy, the kind that bring profits. Will completely satisfy you. Elgin chicks are Michigan State Accredited. Write for free Catalog and Price List.

ELGIN HATCHERY, Ed Dykema, Prop., ZEELAND, MICHIGAN.

well to grease the combs and wattles of especially valuable birds during cold weather. The pens should be kept well ventilated at all time.

REMEDY FOUND FOR TAPEWORMS IN POULTRY

KAMALA, a brownish powder obtained from a plant in India and long used there as a drug, has been found satisfactory for removing tapeworms from poultry. This announcement is made by the United States Department of Agriculture as a result of experiments carried on by Dr. Maurice C. Hall and Dr. J. E. Shillinger of the Zoological Division, Bureau of Animal Industry.

Tapeworms cause serious disturbances in chickens, turkeys and other poultry, the injuries ranging from unthriftiness to conditions simulating paralysis, due to deficient diet, sometimes resulting in death. Up to the present time no satisfactory treatment had been known. The demand for a remedy has been insistent and was considered the more urgent in that the life histories of so many tapeworms are unknown that satisfactory preventative measures can not be recommended as yet. Moreover, so far as life histories are known they involve such intermediate hosts as flies, earthworms, slugs and similar animals which are themselves difficult to control under farm conditions. The need for such a drug as kamala is therefore apparent.

The drug was tried out on 120 chickens and 6 turkeys, counts being made daily of the tapeworms removed, the birds finally being killed to determine whether any of the parasites were left. The result indicated that a dose of one gram to a chicken removed all the worms in approximately 19 cases out of 20, a much better result than has been secured with any other drug. The dose for turkeys seems to be 2 grams.

The investigators say the best method of administration appears to be individual dosing with pills, but that the use of capsules is also satisfactory. Flock dosing by the administration of the drug in feed is much less satisfactory. The dosing of individual birds is easily accomplished and fasting and purgatives do not appear to be important. At the present time it may not be possible to obtain kamala at all drug stores, but it is thought that within a short time manufacturers will have it on the market in convenient form. An estimate of the cost of the kamala itself for treatment of chickens is less than one cent per bird.

BLEED TO DEATH

I have a flock of White Leghorn pullets and I am writing you to know if you can tell me the cause or the cure for their bleeding around the head. The trouble has just begun. Have lost two—apparently just bled to death. There are others that are beginning to act the same way. The first I notice is that their heads and neck feathers are covered with fresh blood and in a day or so they are very weak and then just sit down and die.

Upon examining one I found that its crop was nearly full, was about to lay and was in good flesh.—Mrs. P., Laingsburg, Mich.

I HAVE never heard of anything like this in older chickens but young ones frequently kill each other after the nature of cannibals; would suggest that you watch and see whether some of the birds are not picking these birds about the head; if so remove them and you will get rid of the trouble. Would suggest that you add the following to your feed if you do not already feed it: 5 lbs. of bone meal, 5 lbs. of ground shell and 20 lbs. of meat scraps to each 100 lbs. of mash. This may help the trouble.—Dr. Conn.

Many a good apple is spoiled by the unnecessary rough handling that attends the picking.

CANCER—FREE BOOK SENT ON REQUEST

Tells cause of cancer and what to do for pain, bleeding, odor, etc. Write for it today, mentioning this paper. Address Indianapolis Cancer Hospital, Indianapolis, Ind.—(Adv.)



A new flower. Its giant size, rare art colors and velvety texture, make it the most gorgeous of annuals. A new race; very sturdy; bearing freely, flowers of unrivaled beauty. Our special mixture includes eight different varieties, a wonderful addition to your garden, which we will send for 10c with a copy of our 1926 Vaughan's Gardening Illustrated.

This is a seed catalog unlike others, a magazine of home gardening information, as well as a complete list with pictures, prices and descriptions of everything a home gardener desires or needs. It contains NINETEEN COLORED PLATES. The most complete collection of correct illustrations of annual flowers in true colors, ever published in an American seed catalog. It lists the finest standard home garden vegetables, and the best of new introductions. It gives all the news of the gardening world, and practical advice for the cultivation of everything listed. Send 10 cents to the nearest address below for a generous packet of Vaughan's Dahlia Flowered Zinnia Mixture; or Vaughan's Annual Statice Mixture—our 1925 feature; or Vaughan's Marigold Josephine—our introduction of 1924 (one packet of each for 30 cents)—and Vaughan's 1926 Gardening Illustrated will be sent with seed or mailed alone, FREE. VAUGHAN'S SEED STORE, Dept. 44 47-49 Barclay Street New York City 10-12 W. Randolph Street Chicago



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You can do it with seeds that are dependable—seeds that are of high germination and adapted to your soil. The work of preparing the land and planting is the same whether you use ordinary seed or pedigreed seed. But the crop tells the story; added profit—often double or triple—comes from using hardy, big-yielding, Michigan-grown, Isbell's seeds.

47 Years of Better Seeds

For nearly a half century, Isbell's have been developing yield, vitality and hardiness in seeds. Ceaseless experimenting, careful selection, better growing, sorting and cleaning methods have done this. 200,000 customers have proved this profit-building quality—they plant Isbell's seeds year after year and get bumper crops. We grow our own seed—you buy direct from us, saving money and eliminating all risk of substitution.

Isbell's Valuable Book—

The 1926 Isbell's Seed

Annual tells how to

select seeds, how to pre-

pare soil, gives cul-

tural directions, and

quotes direct-from-

grower prices. The coupon brings it Free.

S. M. ISBELL & CO., Seed Growers

233 Mechanic St. Jackson, Mich.

Send your 1926 Seed Annual quoting direct-from-grower prices on Quality Seed. (21)

Name _____

Address _____

MEETING OF HORTICULTURAL SOCIETY AT M. S. C.

(Continued from Page 3)

on the wind to carry the pollen, but to place hives of bees in the orchard for this purpose.

"Hives of honey-bees placed in the orchard are one of the best investments that a fruit grower can make," said Professor Auchter.

Pruning and Fertilizing

Professor R. E. Marshall of M. S. C. gave a detailed report of experiments in pruning and fertilizers carried on in a Ben Davis orchard at Eaton Rapids, Michigan. The object of this experiment was to determine the dollars and cents return from various treatments.

The average net return per tree from several fertilizer treatments were as follows: Sulphate of ammonia, \$5.69; nitrate of soda, \$5.13; acid phosphate, \$2.04; complete fertilizer (4-10-13) \$5.25; sulphate of ammonia applied in September, \$5.25; No fertilizer of any kind, \$1.50.

The trees which received nitrogen and a light pruning bore the highest percentage of large apples, while those which received nitrogen and no pruning bore the largest number of bushels.

The average net returns per tree for different combined fertilizer and pruning treatments were reported as follows:

Nitrogen fertilizer: pruned, \$4.49; not pruned, \$4.57. No fertilizer, pruned, \$1.49; not pruned, 97c. Straw mulch: pruned, \$2.65; not pruned, \$1.51.

Said Professor Marshall, "Nitrogen fertilizers have proved to be the big thing in this orchard, not pruning."

Professor F. C. Blanchard of M. S. C. gave an interesting talk on the history of horticulture through the ages and cited the names of some of the men who have made the industry what it is today.

Apple Show

An apple show managed by the M. S. C. Horticultural Club was held in connection with the meeting and many beautiful specimens of the luscious fruit were on display from various parts of this state and from a number of other states.

The list of prize winners is as follows:

Class I. Best Bushel—1st, Fred Weifenbach, Beulah; 2nd, F. C. Sherman, Hart; 3rd, N. L. Harss, Saugatuck.

Class II. County Collection—1st, Allegan; 2nd, Montcalm; 3rd, Ionia.

Class III. Best individual collection—1st, E. H. House, Saugatuck; 2nd, E. W. Lincoln, Greenville; 3rd, Farley Bros. Class IV. Five varieties of winter apples on plates—1st, Farley Bros.; 2nd, F. C. Sherman; 3rd, E. H. House.

Class V. Five plates of one variety—1st, Farley Bros.; 2nd, F. C. Sherman; 3rd, E. H. House.

Class VI. Three plates of one variety—1st, Farley Bros.; 2nd, F. C. Sherman; 3rd, E. W. Lincoln.

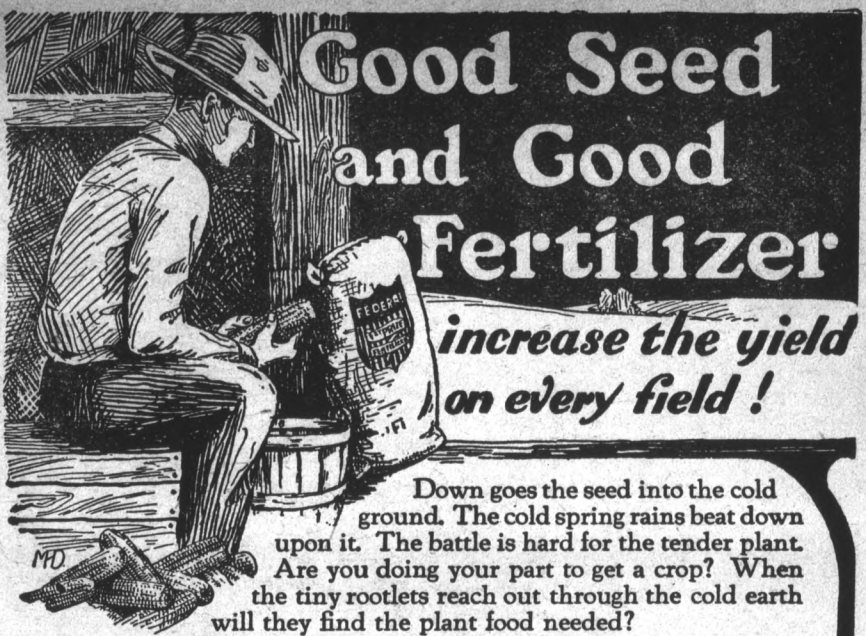
Class VII. Single plates Jonathan—1st, Farley Bros.; 2nd, F. C. Sherman; 3rd, N. W. Laird, Chelsea. Grimes—1st, E. H. House; 2nd, L. A. Spenser, Kibbie; 3rd, N. Larson, Fennville. McIntosh—1st, F. C. Sherman; 2nd, E. H. House; 3rd, Jessie Pickett, Caledonia. Fameuse—1st, Lincoln; 2nd, N. W. Laird; 3rd, Fred Weifenbach. R. I. Greening—1st, E. H. House; 2nd, Farley Bros.; 3rd, L. A. Spenser. Steele Red—1st, Farley Bros.; 2nd, F. C. Sherman; 3rd, L. A. Spenser. Northern Spy—1st, Farley Bros.; 2nd, L. A. Spenser; 3rd, Jessie Pickett. Wagener—1st, H. J. Wheaton, Belding; 2nd, Chas. Braun & Son, Ann Arbor; 3rd, E. H. House. Baldwin—1st, Gordon Frost, Mosely; 2nd, Farley Bros.; 3rd, E. H. House. Best plate in Class VII—1st, Farley Bros.; 2nd, Gordon Frost; 3rd, F. C. Sherman.

Class VIII. Single plates, Delicious—1st, Chas. Braun & Son; 2nd, F. C. Sherman; 3rd, E. W. Lincoln. Hubbardston—1st, Jessie Pickett; 2nd, E. W. Lincoln; 3rd, Farley Bros. Tompkins King—1st, Farley Bros.; 2nd, E. H. House; 3rd, E. W. Lincoln. Winter Banana—1st, Chas. Braun & Son; 2nd, Gordon Frost; 3rd, F. C. Sherman. Ben Davis—1st, Jessie Pickett. Golden Russet—1st, E. W. Lincoln; 2nd, E. H. House. Stayman—1st, Farley Bros.; 2nd, E. H. House; 3rd, Jessie Pickett. Maiden Blush—1st, E. W. Lincoln; 2nd, Jessie Pickett.

Class IX. Best plate of any variety not listed in Classes VII or VIII—1st, Jessie Pickett; 2nd, E. H. House; 3rd, E. W. Lincoln.

Class X. Best plate of fruit sprayed with a spray gun—Farley Bros.

Those whose excellent fruit won subscriptions to THE MICHIGAN BUSINESS FARMER are: Jessie Pickett, E. H. House, F. C. Sherman, E. W. Lincoln, Farley Bros., L. A. Spenser, Fred Weifenbach, N. Larson and N. W. Laird.



Down goes the seed into the cold ground. The cold spring rains beat down upon it. The battle is hard for the tender plant. Are you doing your part to get a crop? When the tiny rootlets reach out through the cold earth will they find the plant food needed?

The right fertilizer is needed at this important period. "THE FERTILIZER LEADERS OF AMERICA" make the fertilizer that furnishes the necessary plant food just when the plant is putting up its hardest battle. Later in the season their fertilizer helps bring the crop through the hard spells. Little by little as the plant needs it the plant food furnished by their fertilizer becomes available. The plant gets

Graduated Nitrogen (Ammonia)

For a quick, early start and healthy maturity

Readily Available Phosphorus

To make the big yields

Soluble Organic Potash

To improve the quality, plump the grain and increase the yield

Order your fertilizer this year from "THE FERTILIZER LEADERS OF AMERICA." Their brands of fertilizer have won a deserved leadership in the fertilizer field for they supply the right plant food at the right time. Order early from your neighborhood dealer or write direct for information.

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Federal Chemical Co., Inc.
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BIG HUSKY CHICKS

FROM STATE ACCREDITED FLOCKS

EXCLUSIVELY. Strong, Healthy Chicks from these selected flocks. Inspected and Cullied by expert State inspectors. Carefully selected for heavy laying abilities. ENGLISH, BARRON and TANGRED STRAIN WHITE LEGHORNS, S. C. BROWN LEGHORNS, SHEPPARD ANCONAS, BARRED ROCKS, RHODE ISLAND REDS and Assorted Mixed Chicks. Postpaid and Full Live Delivery Guaranteed. Bank Reference. Write me at once for Circular and full price particulars.

WINSTROM HATCHERY, Albert Winstrom, Prop., Box C-5, Zeeland, Mich.

RELIABLE CHICKS

MAKE RELIABLE LAYERS.

All Flocks Michigan State Accredited.

We hatch Barron White Leghorns, Anconas, White Wyandottes—producing chicks that Live and Lay—and give Egg Profits. Free Catalog gives particulars about the finest pens we have ever had.

Write for copy.

Reliable Poultry Farm & Hatchery
Route 1, Box 41, Zeeland, Michigan.

Bred To Lay Chicks

S. C. White and Brown Leghorns 12c; Michigan State Accredited. Anconas, Bk Minorcas, and Barred Rocks. Order quick for early deliveries. We Guarantee 100% Safe Arrival in Good Health. 1926 Catalog Now Ready. Write for FREE Copy.

AMERICAN CHICK FARM,
Box B, Zeeland, Mich.

Michigan Accredited Class A Chicks

S. C. English White and Brown Leghorns 12c; Sheppard's Anconas 13c; Barred Rocks and R. I. Reds 14c; Assorted Chicks 10c. No money down. 100% live delivery. Postpaid. Catalogue free. Pay ten days before the chicks are shipped.

THE BOS HATCHERY, R2, B, Zeeland, Mich.

FIELD SEEDS:

Caneseed \$1.20; Kafir \$1.50; Sudan \$2.50; Alfalfa \$7.00; unhusked clover \$2.00; hulled sweet clover \$5.00; Red Clover \$5.00; Timothy \$3.50; Blue grass \$4.00; Millet \$2.00 bushel, satisfaction or money back.

MEIER GRAIN CO., Salina, Kansas.

SEMI-THEBROS

THOUSANDS weekly. Pure-Bred A1 quality. You save money. Order NOW—Prompt shipments. Check or Money Order. Catalog FREE.

	25	50	100	1000
Leghorns.....	\$4.00	\$7.00	\$13.00	\$120.00
Barr. Rocks.....	4.50	8.00	15.00	140.00
White Rocks....	4.75	8.75	16.00	150.00
R.I. Reds.....	4.50	8.00	15.00	140.00
Wh. Wyandottes	4.75	8.75	16.00	150.00
Buff Orpingtons	5.00	9.00	17.00	160.00
Wh. Orpingtons	5.50	10.50	20.00	190.00
Bl. Minorcas....	4.50	8.00	15.00	140.00
Mot. Anconas...	4.25	7.75	14.00	130.00
Sil. Lace Wyan..	7.00	12.00	22.00	210.00
Light Brahmas..	7.00	12.00	22.00	210.00
Jer. Bl. Giants..	8.00	13.00	24.00	220.00

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Circular free. Liberal discount on early orders. Member of the I. B. C. A. Fairview Hatchery & Farms, Zeeland, Mich.

THE BUSINESS FARMER

"The Farm Paper of Service"

TELL YOUR FRIENDS ABOUT IT!

MARKET FLASHES

Don't Put All Your Eggs in One Basket

One-Crop Farmer Blamed for Surplus of Corn

By W. W. FOOTE, Market Editor.

UNUSUAL attention is paid at the present time to the well advertised dissatisfied corn and other specialized farmers; many of whom have put all their eggs in one basket, to quote the old saying, and nowhere near enough is said in praise of the many successful farmers and stockmen of this country who are not talking much, although they manage to make a good living and usually are better off at the end of the year than a year earlier. Just now, we are between seasons, but the "lucky farmers", as they are sometimes called, are planning on cultivating their usual acres on the long accustomed plan, and they will by no means abandon growing corn because other farmers chose to abandon feeding live stock and failed to come out ahead. Meanwhile, farms are changing ownership, and tenants are signing leases, March the first being the date set for the annual shift from one farm to another. Reverting to corn, the matter of seed corn is perhaps more serious than ever before, much of the crop of last year being wholly unfit for seed. Realizing the seriousness of the Iowa seed corn situation, Governor Hammill has proclaimed February as seed corn month. He has asked that a statewide census be taken and germination tests be made to insure the state of its two million bushels of seed corn necessary for planting its acreage of corn in the spring, according to information sent from the agricultural colleges at Ames, Iowa. While the grains loom up in leading importance on most farms, live stock follows closely, and hens are doing more than ever before in making farming pay. Michigan farmers are deeply interested in wheat, orchards, berries and beans, and the grape growing industry has been extremely profitable in recent years.

Fair Trading in Grain

There are no striking changes in the grain markets on the Chicago Board of Trade, with wheat leading off in point of activity and firmness. Wheat continues to sell very much lower than one year ago, but decidedly higher than two years ago, and farmers have sold more freely recently, especially since it was possible to obtain around \$1.70 per bushel in interior Kansas points. The visible supply in the United States decreases slowly, and it is reported at only 45,235,000 bushels, comparing with 77,504,000 bushels a year ago. Rye prices follow the fluctuations in wheat, and early reports of the acreage of wheat in seven countries show a reduction of about 10 per cent from the previous season. This would probably prevent a repetition of the large European yield last year. The visible rye supply in this country is reported as only 13,564,000 bushels, comparing with 23,477,000 bushels a year ago, but sales are made at far below the prices paid a year ago. Oats, too, have continued to sell much below last year's prices, and large amounts are fed on farms. The oats visible supply amounts to 63,076,000 bushels, comparing with 73,570,000 bushels a year ago; while that of corn is 28,092,000 bushels, comparing with 26,571,000 bushels a year ago. Corn prices have advanced in recent weeks and it sells higher than two years ago, but far lower than the unusually high prices of a year ago. With the exception of last year, when speculation ran away with the market, and the war years, the recent prices for corn futures were the highest on record at this season. Late sales for May delivery were made of wheat at \$1.77, old wheat selling at \$1.75, comparing with \$1.92½ a year ago. May corn sold at 84 cents, comparing with \$1.35 a year ago; May oats at 44 cents, comparing with 61 cents a year ago; and May rye at \$1.09, comparing with \$1.70 a year ago.

The Department of Agriculture estimates that on January 1 this year

the average value of cattle was \$38.40, comparing with \$33.46 on the same date a year ago; the average value of hogs, \$15.21 this year, against \$12.38 a year ago; and sheep \$10.30 this year, against \$9.63 a year ago.

The beef cattle trade in Chicago is good most of the time, with a marked narrowing of prices within a short time, the bulk of the steers selling at \$8.75 to \$11. Most of the time very prime cattle are offered. During the first week of February there was a sale of 22 long

and cows have doubled in prices during the year recently closed. Aged steers are no longer held, and handling steers up to three years old is restricted to northwestern ranges. On the southwestern ranges young cows take the place of old ones, the latter having been marketed, during the last five years, and there has been a really startling reduction in the number of female cattle. Several rangemen declared that for breeding purposes the value of cows has doubled in a year. Ex-Governor Robert D. Carey of Cheyenne is authority for the statement that Wyoming has today not more than 30 per cent of the range breeding cattle it had in 1920, adding that "we do not have over 15 per cent of all the steers in the state that are older than

or \$33.46 per head the same date last year. Heifers one to two years old being kept for milk cows on farms Jan. 1 numbered 3,861,000 as compared with 4,234,000 last year (no value given).

Sheep and lambs numbered 40,748,000 and were valued at \$427,647,000. Swine and pigs numbered 51,223,000 and were valued at \$779,348,000. Sheep and lambs in 1925 numbered 55,769,000.

Why Hogs Advanced

The falling off in the market of hogs is startling. For the year to late date combined receipts in seven western packing points footed up only 2,905,000 hogs, comparing with 4,262,000 for the corresponding time last year and 4,204,000 two years ago. This great reduction in the supply happens at a time when the demand is very large, and eastern packers are taking a good many hogs offered on the Chicago market. Within a short time prime hogs have sold as high as \$14 while the range of hog prices stood at \$9.80 to \$11.20 one year ago and at \$6.20 to \$7.45 two years ago. Naturally, farmers are making their hogs heavier than in recent winters, and top prices are still paid for light lots, although heavier lots have sold better quite recently. At \$14 for the best hogs, prices are highest since September.

WHEAT

The markets as a whole in the country are inactive with a quiet demand, while at Detroit millers are ready to make most offerings. Bulls are sure of a shortage that will show up before a new crop, and bears are pointing to the fact that several other countries have quite a bit of grain for export. In general speculation is far from active as it was and buyers do not seem to come to the assistance of the bulls the moment there is a break in prices. The flour trade is not active.

CORN

Corn was a little more active at Chicago last week with the price range in narrow margins. During the same period at Detroit the market was dull and prices worked slightly lower.

OATS

Oats followed the trend of corn at both Chicago and Detroit last week and are now steady at Chicago but dull and easy at Detroit.

RYE

Prices worked somewhat lower in the rye market as this grain followed the trend of other grains most of the time.

BEANS

There has been several declines in the price of beans since our last issue caused by a light demand, grocers and canners seeming to buy only enough to take care of their immediate requirements. About 60 per cent of Michigan's 1925 crop has been marketed, according to reports.

POTATOES

Prices in the potato market declined some during the past couple of weeks but at present the tone is steady. George Wager, of the Michigan Potato Growers' Exchange, is credited with the statement that about 75 per cent of Michigan's crop has been sold, and he expects higher prices but not before the middle of March.

BOSTON WOOL MARKET

The Boston Commercial Bulletin says: "There has been rather more business in wool the past week, although many dealers are refusing to consider the prices which the manufacturers are bidding for wool. The opening of heavy weight goods by the American Woolen Co., is considered auspicious, prices being decidedly reasonable in line with the cost of wool and labor. The situation in the country appears to be without material change. Mohair is in light supply and firm."

M. B. F. MARKET REPORTS BY RADIO

EVERY evening, except Saturday and Sunday, at 7 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.

yearlings at \$11.65, but otherwise the best steers sold at \$11.25, the best heavy and light yearlings going close together. The cheaper class of light steers sold at \$7.75 to \$8.75, with good steers offered at \$9.75 and over. Prices are lower than a few weeks ago, while they compare with \$6.35 to \$12.50 paid a year ago and with \$6.65 to \$11.50 two years ago. Ten years ago steers sold at \$5.90 to \$9.65. On the whole, prices compare favorably with average years. The policy of most stockmen is to market cattle after a short feeding period. Stockers and feeders have sold far higher than several weeks ago, with fewer offered and the packers competing with country buyers for fleshy feeders, but quite recently they sold 25 to 40 cents lower. Ordinary stockers and feeders sold at \$5.75 to \$8.75, mostly at \$7.25 to \$8.25. Stocker and feeder cows and heifers are selling at \$4.25 to \$6.50. Beef cattle declined 25 to 50 cents in the first week of February.

Cattle on Ranges

Recent investigations made by the Kansas City Daily Drivers Telegram indicated that cattle interests on the ranges of Wyoming, Montana, Colorado, Texas, New Mexico and other states are at last looking up, and a return to extensive breeding is in active progress. Breeding stock is in active demand at advancing prices,

calves. In cases where cows were valued at \$25 on January 1, 1925, they would sell readily now at \$55. "R. V. Colbert, of Stamford, Texas, said: "Our crop of range calves in Texas will run about 75 per cent of the crop in 1924 because we did not have the cows in Texas to produce them. Our aged steers, 3-year-olds, 2-year-olds, and yearlings are practically gone. I would say that present values would run from \$45 to \$55 per head, although a trade was consummated just a few days ago in our state for the purchase of 600 high-class range cows at \$65."

Values of Farm Animals

The total value of all farm animals in the country on Jan. 1, was \$5,001,297,000 as compared with \$4,685,021,000 on Jan. 1, 1925, an increase of \$316,276,000, or 6.8 per cent, the crop reporting board of the agricultural department announced.

Horses and colts on farms Jan. 1 numbered 15,778,000 as compared with 16,554,000 the same date last year. These animals had an aggregate value of \$1,062,511,000, or \$64.18 per head last year.

All cattle and calves on farms numbered 59,829,000 as compared with 62,150,000 last year. These animals had a total value of \$2,297,510,000, or \$38.40 per head on Jan. 1, as compared with \$2,079,367,000,

THE BUSINESS FARMER'S MARKET SUMMARY

and Comparison with Markets Two Weeks Ago and One Year Ago

	Detroit Feb. 9	Chicago Feb. 9	Detroit Jan. 26	Detroit 1 yr. ago
WHEAT—				
No. 2 Red	\$1.86		\$1.90	\$1.95
No. 2 White	1.87		1.91	1.99
No. 2 Mixed	1.86		1.90	1.95
CORN—				
No. 2 Yellow	.80		.81	1.28
No. 3 Yellow				
OATS—				
No. 2 White	.44	.41 @ .42	.47	.63 ½
No. 3 White	.43	.41 @ .42	.46	.62
RYE—				
Cash No. 2	.98	1.02 ½	1.04	1.59
BEANS—				
C. H. P. Cwt.	4.40 @ 4.50		4.65 @ 4.70	6.30 @ 6.35
POTATOES—				
New, Per Cwt.	4.00 @ 4.06	3.90 @ 4.25	4.30 @ 4.40	1.17
HAY—				
No. 1 Tim.	24 @ 24.50	23 @ 25	24 @ 24.50	17 @ 18
No. 2 Tim.	21 @ 22	19 @ 22	21 @ 22	15 @ 16
No. 1 Clover	21 @ 22	23 @ 24	21 @ 22	14 @ 15
Light Mixed	22.50 @ 23	22 @ 24	22.50 @ 23	16 @ 17

Tuesday, February 9.—Wheat steady after recent decline. Corn and oats firm. Potatoes firm. Butter and eggs easy.

MERRIMAN CULTIVATOR

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Operated by one man. Cultivates 20 to 30 acres per day. Adjustable to any width rows. Conforms to uneven ground. Teeth bars are pulled, not pushed. Cultivates corn, beans, beets, cabbage, onions, cotton, orchards, etc. Pays for itself in one season. Sold by Ford Dealers. Write for literature.



Means Stamping Co., Dept. 21 Saginaw, Mich.

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PURE BRED CHICKS FROM STATE AC- credited Stock. Fourteen varieties. Poultry Manual Free. Stouffer Egg Farm, Route 25, Mount Morris, Ill.

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BABY CHICKS FROM STATE ACCREDITED stock. Catalog free. Shady Lawn Hatchery, Zeeland, Michigan, Dept. B.

WHITTAKER'S ROSE AND SINGLE COMB Rhode Island Reds, Michigan's Greatest Color and Egg Strain. Trapped, Michigan State Accredited. Blood Tested Chicks and Eggs. Catalog Free. Interlakes Farm, Box 2, Lawrence, Mich.

CHOICE PURE OWEN FARM S. C. R. I. RED Cockerels. Size, Type, Color, Quality \$3 up. Mrs. Lloyd Algeo, Oronville, Michigan.

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GIANT BRONZE TURKEYS, GOLD BANK strain. Choice young toms and hens. Ready for shipment. Order your breeding stock early. Mrs. Perry Stebbins, Saranac, Michigan.

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FOR SALE—MAMMOTH BRONZE TURKEY Toms \$6.00. Emma Hobbs, Onondaga, Mich.

CORN BORDERS CANNOT EXIST WHEN White Holland Turkeys roam. I have the best, also Toulouse Geese. Alden Whitcomb, Byron Center, Michigan.

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PET STOCK

HUNDRED HUNTING HOUNDS CHEAP. Trial C. O. D. Large catalogue. Pack Photos 25c. Kaskaskennels, Herrick, Ill.

FOR SALE—FULL BLOODED WHITE COLLIE pups. Fine ones. Otis Jessup, Ithaca, Mich.

MISCELLANEOUS

HOMECANDY MAKING, FUDGE PARTIES— newest popular entertainment. Delightful party programs with famous, Velvety Fudge Recipe 50c. Jones The Old Candy Maker, 1309-C, West Forest, Detroit, Mich.

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BUY FENCE POSTS DIRECT FROM FOREST. Car lot prices. Delivered to your station. Address M. M. care Michigan Business Farmer.

HAY FOR SALE IN CARLOAD LOTS. WRITE for prices. George Tuttle, Germfask, Mich.

DELICIOUS CLOVER HONEY—5 LB. PAIL \$1.25 postpaid. Leslie Bell, Reading, Mich.

ELLIAN COMING BEFORE CHRIST, FREE book. B. Megidda Mission, Rochester, N. Y.

LIVESTOCK MARKETS

CHICAGO.—(U. S. Department of Agriculture)—Hogs—Uneven; light weights steady; others lower; tops on all weights, \$14; bulk, 250 to 300-pound butchers, \$12.30@12.55; sorted 190-pounds down, largely, \$13.50@13.80; bulk, desirable 200 to 225-pound weight, \$12.80@13.25; majority packing sows, \$11@11.25; stale killing pigs, \$13.50; down; shippers, 4,500; estimated hold-over, 3,000; heavy-weight hogs, \$12@12.60; medium, \$12.30@13.35; light, \$12.40@14; light lights, \$12.50@14; packing sows, \$10.90@11.40; slaughter pigs, \$11.50@14. Cattle—Stockers and feeders dull, 25c to 50c under high time two weeks ago; a load of 1,065-pound yearlings, \$11.65; top, heavy-steers, \$11.25; light yearling heifers, upward to \$10.25; she stock 25c to 50c lower; canners and cutters showing most decline; bulls and vealers mostly steady; weeks bulk prices follow: Fed steers, \$8.65@10.25; fat cows, \$5.25@6.75; heifers, \$7@8.25; canners and cutters, \$4.15@4.50; veal calves, \$11.25@13; stockers and feeders, \$7.25@8.25. Sheep—Yearling wethers and fat aged sheep strong to 25c higher; feeding lambs steady; tops for week: Fat lambs, \$15.25; feeders, \$15; yearling wethers, \$13.50; 2-year-olds, \$12; fat ewes, \$9.60.

EAST BUFFALO.—Cattle—Slow and steady; shipping steers, \$9@11; butchers, \$5.75@9; yearlings, \$8.75@10.75; heifers, \$4@8.50; fair to choice cows, \$3.50@7; canners and cutters, \$2@3.50; bulls, \$4@7; stockers and feeders, \$4.50@7; fresh cows and springers, active and steady, \$40@120.00. Calves—Active and steady; \$15.50@16; fair to good, \$13@15; culls, \$3@12.50; heavies, \$6@9; grassers, \$4@6. Hogs—Active, some cases 25c higher; heavy, \$12.75@13.75; mixed, \$14@14.50; roughs, \$10.50@11; stags, \$7@8.50. Sheep and Lambs—Slow, steady.



Week of February 14

COLD, unsettled weather with high winds are to be expected during early part of this week in Michigan. However, by Monday or Tuesday there is expected to be a sudden moderation of the temperature in most parts of the state. This mild spell will probably continue for a day or so during which time the weather conditions will be more or less stormy. Winds will be high, with rain, sleet or snow moderately heavy, especially in localities.

By the middle of this week temperatures will have taken a most decided drop and will remain more or less low for the greater part of the balance of the week, excluding the last day. On Saturday we are expecting another reaction of the thermometer to higher readings but this rise will not last long in Michigan.

Week of February 21

Marked change to warmer in most parts of Michigan will be the general rule during opening days of the week beginning February 21. During the first half of the week there will be rain, sleet and snow storms in various sections of the state. With these storms will be high winds that will produce blizzards and some blockades. There is hardly a doubt but that parts of the state, at least, will be visited by storms of wet heavy snow about the middle of the week.

Closely following these low pressure areas the temperature will make a sudden drop with almost cold wave proportions. These conditions will be the most effective about Thursday and Friday in Michigan.

This week will end with generally fair and cold weather in most parts of Michigan.

(Breeder's Directory Continued From Page 25)

FERRIS WHITE PULLETS pedigree. Egg contest winners for year. Pay after you see them. Complete satisfaction guaranteed. Write today for special sale bulletin and big free catalog. **W. E. FERRIS, 812 Union, Grand Rapids, Mich.**

White Wyandottes—Hatching Eggs From Choice breeders. Selective breeding practiced. Quality my motto. Fred Berlin, Allen, Michigan.

BARRED ROCK COCKERELS AND PULLETS from America's best prize-winning heavy-laying strains. Won 18 first prizes at Detroit and M. A. C. in two years. Reasonable prices. **TOLLES BROS., R10, St. Johns, Michigan.**

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TURKEYS—W. BRONZE, B. RED, NARRA- gansett, White Holland Hens, Toms, Pairs and trios to skin. Highest quality at lowest prices. **WALTER BROS., Powhatan Point, Ohio.**

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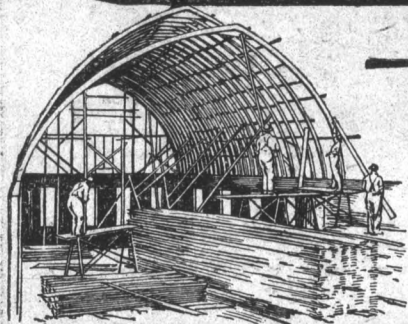


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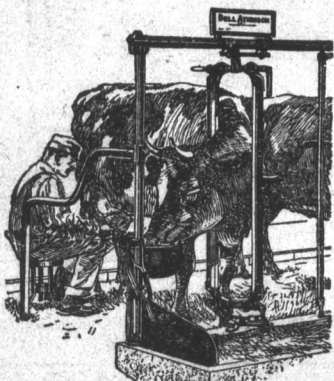
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THIRD—Here again, our extensive experience in designing and building equipment and ventilation for poultry houses, hog houses, cow barns, etc., enables us to put out **BETTER** designed—**MORE** practical—**LONGER** lasting, more sanitary equipment for the cow, the horse, the hogs and the hens. Being so much **BETTER** made, they last much longer. Being **BETTER** designed, they do the work better—save you more time—give your stock greater comfort and make more money for you. That's why **JAMESWAY COSTS LESS** and over a period of years it means a vast amount of money saved for you.

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FOURTH—By all means, do not overlook the matter of ventilation, whether it be for the hog house, poultry house, the horse or cow barn. If you do you will surely regret it. It will be damp, cold, foul, or disease-breeding. It will take money out of your pocket every day and it may take it at a frightful cost. It takes **EXPERTS** to correctly design a ventilation system that will ventilate a building properly. We have them, and in this, again **JAMESWAY SAVES** you money, and makes **JAMESWAY COST LESS**.

Still Another JAMESWAY Saving

In addition, we have built up a **PERSONAL** Service to Jamesway buyers, through our Jamesway Service Men, one of whom is no doubt near you, ready to help you in any building, remodeling or equipping problem you may have. It is a service which **SAVES** money, time and costly mistakes, also aids in getting lower bids on building work. Here's proof:—

"I believe the first five minutes your Jamesway man, Mr. Calhoun, talked to us, he **SAVED** us at least \$500 in construction costs by a single suggestion."—Lee Boyce, Brookfield, Mass.

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This is another reason Jamesway **COSTS LESS**. You buy direct from our factory through our Special Jamesway representative, who is a trained equipment man. I cannot tell you in this one Ad all the reasons for Jamesway leadership in the barn equipment field and why our business has grown to its enormous size and prestige, so I ask you to

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It is 8x11—has 128 pages, stiff bound cover, and is full of "Proofs" in the form of letters from users telling why they selected Jamesway equipment in preference to any other. It shows how Jamesway **SAVES** you money in building, remodeling, equipping your barns. It is free—send for a copy today. It will interest you, even if you are not ready just now for such equipment. W. D. JAMES, President

James Manufacturing Company

Ft. Atkinson, Wis.

Minneapolis, Minn.

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