

MICHIGAN FARMER

AND LIVE STOCK JOURNAL.
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DETROIT, MICH., SATURDAY, MARCH 26, 1927

Whole No. 4754



The Little Mother

What makes a live town?

"That's a live town." You often hear that said about a place that has no advantages over any other town except one thing—*good motion pictures*—the magnet that draws the crowds from miles around, and keeps people and trade *in town*.

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Please Mention The Michigan Farmer When Writing to Advertisers

News of the Week

Gaspard Gay, the dancing elephant in the public zoo, in Paris, was put to death last week because of going insane. For nineteen years Gaspard entertained visitors by playing on a harmonica and dancing the Charleston to the tune of his own music.

Two Boy Scouts, John and Robert Goslin, of Lancaster, Ohio, recently found the mummy of an Indian Princess in a forgotten cave 100 feet above the creek level, near that city.

The Greek army was mobilized when bakers, grocers and restaurateurs closed their shops as a strike against the government's revision of the tax and rental laws. This is considered Greece's biggest strike.

The Veterans' Bureau will take care of all loans on bonus certificates, despite the fact that Congress failed to appropriate money for the purpose.

A badger burrowing for a home caused the new gold rush in Weepah, Nevada, as two boys, nineteen years old, found gold in the badger's diggings.

The National Protective League of Stammerers has filed protest with Will Hayes, director-general of the motion picture industry, on public portrayal of their unavoidable affliction.

Mr. and Mrs. Orrin J. Kellogg, of Oneida, Wisconsin, were arraigned on charges of selling New York state to the Indians of the Six Nations in Wisconsin. These Indians were told the land was theirs, and the Kelloggs were accused of taking subscriptions for fighting the case.

The United States Bureau of Economics states that the consumption of American apples by Germany will soon exceed that of Great Britain.

The American Forestry Association was given \$100,000 by George B. Pratt, former conservation commissioner of New York, to apply toward a \$200,000 endowment fund for education in forestry conservation.

Thirty thousand dollars has been set aside by Anne Nichols, writer of "Able's Irish Rose," and other friends, for the care and maintenance of Edward Payson Weston, the famous trans-continental pedestrian, who is eighty-nine years old, and poverty stricken.

Haiti has refused admission to its borders to Senator King, democrat, of Utah, classing him as an undesirable.

The largest image of Buddha is to be unveiled at Ueno, Japan, where it will serve as a lighthouse for guiding ships to ports.

The recent attack on the American settlement in Shanghai has led to a rapid evacuation of Americans from that city.

The wholesale commodity prices in all important industrial countries have declined consistently during the past two years. This has brought on a period of stabilization.

The United States Navy ordered forty-five engines from the Packard Motor Car Co., of Detroit, for use in airplanes and seaplanes.

Plainfield, Illinois, had its first crime in one hundred years when a masked man held up a member of the town council and stole \$31 last week.

Fifty-one thousand dollars was paid for the signature of Button Gwinnett, a signer of the Declaration of Independence, at a recent autograph auction in New York.

A beautiful exhibit of roses, carnations and orchids made by Edward Dale, of Brampton, Ontario, won the \$1,000 prize at the National Flower Show in Detroit last week. This show was held during the National Florists' convention.

Negroes in Florida heard a rumor that the United States was going broke, so made a run on the postal savings bank by withdrawing their money.

Commander Byrd, who made the flight to the North Pole recently, drove one of the Ford new three-engine planes from Detroit to Grand Rapids, and attended the air meet in that city.

Most of the American and British universities and missionary institutions in China are being prepared for Chinese control. However, some of the school officials there doubt that the Chinese will be able to efficiently run the institutions.

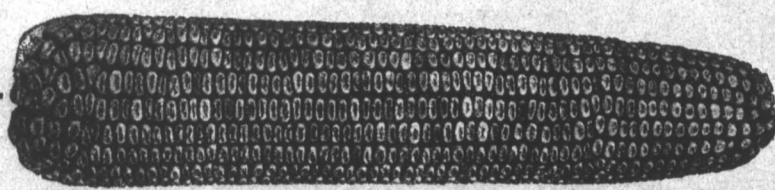
A vault located on the old Mechanics' and Metals' National Bank in New York has resisted every known method of destruction, such as dynamite, electric drills, and acetylene torches.

Ernest Sperry, of Toronto, was convicted in the Toronto courts of blaspheming God in a pamphlet, "The Christian Enquirer." The judge who sentenced him is a Sunday School teacher.

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VOLUME CLXVIII

MICHIGAN FARMER

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A Practical Journal for the Rural Family
MICHIGAN SECTION THE CAPPER FARM PRESS

QUALITY
RELIABILITY
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NUMBER XIII

My Choice is Sweet Clover

How a Run-Down Lenawee Farm Responded to This Crop

By George E. Hedrick

I TAKE my clover sweet. Red clover, which has been such a true friend, has been completely crowded off my Lenawee county farm by this once rank weed of the roadside. Why am I so enthusiastic about sweet clover? It is because it has paid me cash, and money talks in a very loud voice at my farm. Without doubt it has doubled the profits of the business.

My first experience with this newcomer on the list of serviceable farm crops was, as a small boy, when I helped my invalid grandfather try to exterminate one of these "obnoxious weeds." We were riding along a country road several miles from any land in which he was financially interested, when he noticed a single stalk of wild sweet clover growing by the side of the road. We stopped suddenly. I helped him out of the buggy and steadied him on his crutches while laboriously he made his way to the plant, where we spent several minutes trying to dig it out with a pocket knife. It is now scarcely more ridiculous to expect to see the next generation planting fields of Canadian thistles than it was once to think that some day I would be planting sweet clover.

In the summer of 1919 I came into possession of a farm adjoining the village of Holloway, in Lenawee county. The farm had for many years been worked by tenants whose interest had been in mining the fertility of the land rather than in conserving it. The soil is very heavy clay and is not well tilled. My first crop of wheat yielded just ten bushels per acre. Five years later the same field, with less favorable treatment by the weather man, threshed thirty-five bushels for every acre. No manure had been put on this land in the intervening time, but two crops of the wild white blossom sweet clover had been allowed to fully ma-

ture on it without cutting or pasturing, and all of both crops had been plowed under. The rotation on this field had been wheat, sweet clover, corn, oats, sweet clover, and wheat. Though it appeared, after this first appearance, that the clover must be given the credit for this improved yield, I was not so certain as I afterward became when

average acre of wild white blossom sweet clover secures from the air and adds to the soil as much nitrogen as is contained in twenty-five tons of average farm manure. The biggest problem with manure as a fertilizer is that we never have enough of it. The field, which is the farthest away from the barn, and hardest to reach with the



Soil Filled with Decaying Sweet Clover Plants Can be More Quickly Prepared for a Crop, and Less Power is Required.

the other fields on the same farm gave in the succeeding years a similar response to the same treatment. Every year I turn under a field of fully matured clover which usually attains a height between five and eight feet. Grain yields have always improved. My last crop has always been the best. Because of this repeated performance I am now convinced that the soil chemists of our agricultural colleges do not exaggerate when they tell us that an

spreader, is particularly apt to not receive enough. For it, especially, sweet clover can be profitably used as a green manure crop once in each rotation.

We know that it takes twenty bushels of wheat to pay for the seed, fertilizer, taxes, interest, and other overhead expenses of an acre of crop. A thirty-bushel crop returns twice as much over the cost of production as a twenty-five-bushel one. And land

which produces thirty-five bushels per acre is actually worth three times as much as that producing ten bushels less, since three times as much profit is returned. Most of my experience in checking sweet clover as a fertilizer has been with wheat, but observations of the other fellow growing it with the other ordinary crops of Michigan, cause me to think that it is equally effective upon corn, beans, potatoes, beets, or most anything else which we raise.

But the fertilizer story is only one chapter in the episode of how this one-time outcast among useful plants is winning popularity. On the Holloway farm sweet clover has been used as both hay and pasture in an experimental way. It has also been harvested for seed. In all these latter-named uses some successes have been attained and many mistakes have been made. Most of the facts learned have come from the mistakes and can be summed up in the statement that sweet clover was not made to be handled as pasture, hay, or seed crop in the orthodox way of handling red clover. Both are biennial legumes, but they are as different in their behavior as they are in appearance.

A discussion of sweet clover for hay usually brings out a real argument when presented to a group of farmers. It was my opinion, until I gave it a half-hearted trial, that the plant was not made for hay. I have noticed that the fellows, who have had faith enough to get the brushy stuff to the mangers, almost always put themselves on the booster side of these arguments, while the ridicule of the idea is usually heard from those who have only looked at the stuff resulting from the ordinary hay-making efforts. A rather unusual way of making hay (Continued on page 436).

Root Crops For Home Use

Some Practical Spring Garden Suggestions

By Charles H. Chesley

MOST of us, when we think of the garden, think of such crops as beets, carrots, turnips, parsnips and onions. It is true that these vegetables, which grow underground, form the main bulk of our garden truck. They are the most important, perhaps, because they can be stored and kept for long periods after the actual growing season. In this article we will consider the most practical methods of growing root crops. All of these products are very hardy and most of them can be grown successfully as far north as anything of an edible nature.

In the first place, we will consider the kind of soil most suited to their needs. Those kinds which have long roots need deep and mellow lactations. For this reason the hard clay is not best, neither is the soil that is largely sand. The sandy loam, then, may be said to be best for all kinds of root crops. Thorough preparation is of considerable importance. The land should be plowed or spaded deeply. All grass roots and sods should be removed for

best results. However, in field culture this is scarcely possible. We may say, therefore, that preparation consists of plowing and discing deeply, and continuing the work until the ground is mellow and easy to work. A drill seeding machine is desirable for planting small seeds, as most of the root crops have fine seed. In early planting the covering should be light, but it is important that the soil be firmly pressed about the seed. Sugar beets, mangels, turnips and carrots for stock feeding, and the various roots grown for human consumption all come under the same head and are grown practically in the same manner.

Those vegetables which have long tap roots need soil of considerable depth. We may mention carrots, parsnips, long-growing varieties of beets and turnips, salsify, turnip-rooted parsley and French endive. The last named is a salad plant and the roots are

grown from which to sprout leaves for salad use during the winter. The carrot is a particularly delicious vegetable and a favorite with the ladies, as it is supposed to be of value in keeping the complexion clear and soft. Horse breeders have long known that carrots fed to the animals tend to keep the coats smooth and glossy. Here are two good reasons why we should grow carrots, then. The smaller varieties, like the Nantes, have less core and are most desirable for human food. The White Belgian is a sort that will grow immense crops and is desirable to grow for the stock.

The parsnip should be planted as early as the ground is in fair condition for working. It requires a deep soil and the entire season for growing to perfection. In the same catalog we may place the Hamburg or turnip-rooted parsley. This vegetable is not as well known as it deserves to be. It

grows much like a parsnip, and the roots can scarcely be distinguished from it, after being dug and the tops removed. It is grown to a considerable extent in Europe, and to some extent in America, although not commonly seen in the markets. The cooked vegetable has a rather pleasant, sweet taste, and its principal use is as a flavoring for soups and stews. One packet of seed will grow all a large family will need, as the seed are small. Like the other varieties of parsley, the seed are slow in germinating. Better put in a few radish seeds to mark the rows, so cultivation may be started before the weeds get a foothold. French endive is grown in the same manner as parsnips.

The various varieties of beets form an important garden crop. We may plant the seeds very early in the spring and use the small roots early in summer. A crop of leaves for greens will be available considerably earlier. One desirable thing about (Continued on page 434).

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VOLUME CLXVIII NUMBER THIRTEEN

DETROIT, MAR. 26, 1927

CURRENT COMMENT

Not a New Provision
A FEW people have hesitated to give full support to Senator Horton's farm trespass bill, now resting in the files of the conservation committee of the Senate. They take this position, not because of unrecognized merit in the measure, but for the reason that section four, which gives to the farmer, or the party in possession of the land, the right to arrest any person found violating the law, appears to them to be something of an innovation.

This provision, however, is not new. For many years fruit pilfering in New York state has been negligible, because fruit growers there have been empowered by their legislature to arrest any person whom they caught on their farms stealing fruit. An Oregonian states that a similar provision in the Oregon law has also been found effective.

The West Virginia game law, in its provision for enforcement, contains the following:

"It shall be lawful for the owner, lessee, or the person entitled to the possession of such lands, or the agent thereof, to arrest any such person found violating this section and immediately take him to the justice of the peace for trial, and such owner, lessee, person, or agent is hereby vested with all the powers and rights of a game protector for such purpose."

For comparison we give section four of the bill introduced by Senator Horton, which reads as follows:

"It shall be lawful for any owner, lessee, or person entitled to the possession of such lands, or his agent, to arrest without warrant, any person violating this statute and immediately take him before a justice of the peace for trial, and in so doing such owner, lessee, or agent is hereby vested with all the powers and rights of a game warden, constable and deputy sheriff as to such matter."

From these references and quotations, it will appear that this provision is not new. It can be found on the statute books of other states, and

every report we have indicates that the principle is sound and effective. That is why we are urging our readers to keep up their correspondence with senators and representatives in Lansing, that, this bill which is now in the files of the Senate committee on conservation, be reported out as introduced, and enacted into law.

Yields and Profits

LARGER yields per acre mean increased profits for the farmer. Information from widely different sources show that the profits increased in almost direct ratio to the increase in yields.

Records kept by several hundred Illinois corn growers are in point. When corn was seventy cents per bushel, fields yielding thirty bushels returned only the cost of production, whereas those producing forty bushels per acre paid for the cost of production and left nine bushels per acre as profit, and those producing fifty bushels per acre had eighteen bushels remaining after costs had been paid.

Tomato growers in New York state realized \$65 more from fields yielding between eight and eleven tons, than they did from those yielding less than eight tons, and the farmers with crops averaging above eleven tons showed profits of \$140 above the returns on fields producing less than eight tons.

In Wisconsin, silage from a field yielding three tons per acre, cost \$7.60 per ton, while that from an eleven-ton-per-acre field cost but \$3.97 per ton. In the same state, as oat yields increased from twenty to fifty-six bushels per acre, the cost decreased from \$1.04 to forty-five cents per bushel.

All careful tests available point to this fundamental law in successful farming, and farmers' profits would increase if less labor was used on fewer acres of soil supplied with a larger amount of plant food and planted with the best available seeds. Here is one method by which Michigan farmers could improve Michigan agriculture from a business point of view.

Plan Apple Survey

OVER thirty states will cooperate with the United States bureau of agricultural economics in making a survey of the apple industry in this country. This study will include a careful analysis of the marketing of this fruit; the supply and demand for definite varieties; competition between producing areas and varieties; the probable shift in the sources of supplies for the different markets, and an inventory of recent trends, the present status, and the future developments in the commercial apple producing areas.

The purpose of the survey is to enable growers to plan their future orchards more intelligently. With this information, they could best suit varieties to the available markets. It is this type of information that farmers generally are in need of when planning their plantings of both perennial and annual crops.

Our Big Opportunity

OUR fair state would be better off by millions of dollars if bovine tuberculosis was eliminated from within its borders. Furthermore, the health of our people would be safeguarded, not only by reducing the possibility of acquiring tuberculosis from the use of infected dairy products, but also by promoting the freer consumption of dairy products through the knowledge that these products come from clean herds.

At this time our lawmakers at Lansing, are divided as to the advisability of appropriating \$250,000 for indemnities on condemned and slaughtered cattle in the campaign to clean up our state. We do appreciate the care our representatives and senators are giving to the state budgets in order to

prevent extravagance in government expenses. But, failure to prosecute the bovine tuberculin work in Michigan as rapidly as it can be done effectively, would by no means tend toward economy. In the first place, the work can be done cheaper if done quickly. The experience of all other states show that without attention, bovine tuberculosis multiplies rapidly, and this would require added indemnities and occasion heavier losses at some later date, when the people insisted that the work be done.

Again, many farmers of this state, bankers, business men, and lawmakers, do not yet realize the tremendous advantage it would give Michigan by being the first state in the Union to become a fully accredited state. She now leads, and it is fully within the range of possibility to gain that enviable position. What a tremendous impetus it would be to the sale of young stock from our herds, if all the states of the Union and Canada looked upon Michigan as a place where clean cattle could be bought.

Michigan would not need "surplus" legislation if bovine tuberculosis was eliminated. A larger and larger portion of our land could and would be devoted to the raising of feed and pasture to be marketed in the form of healthy dairy cattle, to eastern and southern buyers.

Our Michigan Legislature will find few opportunities for helping Michigan farmers more than they will in appropriating a liberal sum for the rapid prosecution of this work. Furthermore, in doing this service to the farmers, the Legislature can carry home the consciousness that they have also placed another safeguard about the health of the whole state.

Because many of our farmers have not fully grasped the significance of this to our agriculture and business, there falls a greater obligation upon those who do understand, to educate their neighbors and to keep the Legislature at Lansing informed, not once, but frequently, of the need of supplying sufficient funds to complete this big task at the earliest possible date.

Spragg Memorial Planned

QUIET and unassuming in his work, the late Prof. Frank A. Spragg, of the farm crops department of the Michigan State College, gave to posterity some worth while accomplishments which have added considerable to the prosperity of rural Michigan and surrounding states. Professor Spragg became a nationally known plant breeder through his development of the Robust bean, the Rosen rye, and other improved strains of farm crops. His life's work was suddenly ended by an auto accident on a vacation trip two years ago.

Members of the Michigan Crop Improvement Association are, perhaps, foremost among those who realize the good work Professor Spragg had done, for most of them became growers of certified seeds of the varieties he produced. Many of these men can truthfully say that the production of these varieties has been one of the greatest factors in their agricultural success. Therefore, they are raising a fund for a fitting memorial to be erected at Professor Spragg's grave in Okemos, not far from the college. Prof. J. F. Cox, of the college, and Ralph Arbogast, of Union City, are in charge of the fund.

This should be a worthy tribute to an uncommon man who worked unselfishly for the betterment of agricultural Michigan.

The Literary Farmer

THE farmer generally is not prone in the use of the spoken word; nor a handy wielder of the pen. He is, rather, a man of action. He does not lack the oratorical or literary ability because

he is a farmer, but because he lives life instead of being an interpreter of it.

He experiences all of nature's moods more than those of most any other occupation. His contact with animals unconsciously gives him an insight into animal life with all its varying temperaments and characteristics. He experiences the anger of the weather, its sorrow and its sunshine, its frolic and its serious purpose. He sees in the vegetable kingdom the beautiful, the useful, the determined outcase, the refreshing and the nourishing. All around the drama of life is played before him in nature's amphitheater in thousands of different scenes. He hears the morning song and the bedtime lullabys, the nocturne of the night and the harmony of the noon-day heat.

All about him is all of art, all of literature, all of music which is full of life in its varying moods, but for him to listen to. Whatever man has striven to do in any of the arts has been but a human attempt to reproduce what nature has already perfected. No artist can excel nature, but he will be proclaimed among men if he shows some ability to imitate it.

The farmer can see and hear all this. And if he but opens his eyes and ears to it he can enjoy the best there is in literature, music and art.

Sunshine

WE'VE been having lots of sunshine lately, which should make us all happy. I don't know nothing that makes one happy as easy as sunshine. And I kin say that if you don't feel like a Christian Scientist thinks he ought to, why, just get out in the open and let the sunshine on you and then the sun will shine in you.

I see there's lots of students been committin' suicide. Maybe that's because they've been getting not enough sunshine and too much moonshine. You know, there's two kinds of moon-



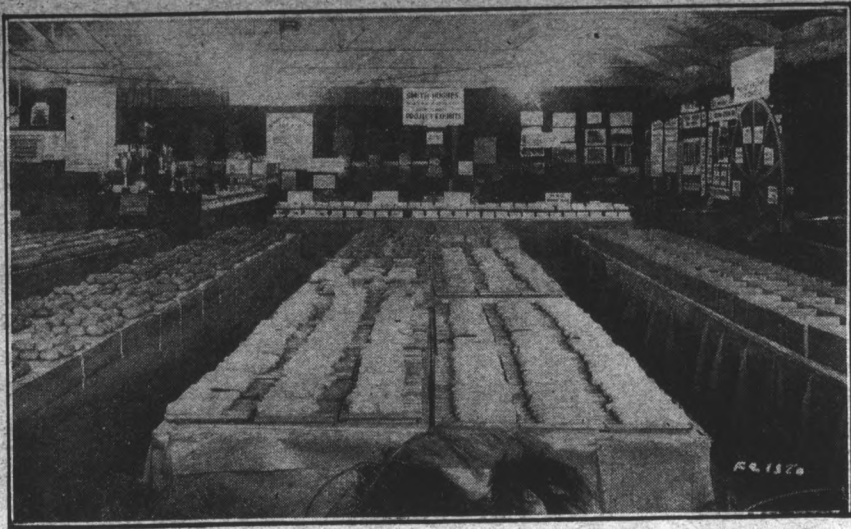
shine, and both is likely to cause trouble. So a person is got to be careful what he does while in the t h e moonshine, as well as when he's got moonshine in him. If those students could have quit their studentin' and got right out and got a job on the farm, they would be too tired to think of killing themselves, besides they wouldn't like spending their hard-earned money for an instrument of death.

So, if one is in the shadows of life, all he's got to do is to get out in the sunshine and the shadows will disappear. I think that's why farmers can stand their heap of troubles better than the city folkse can their few. The trouble is, lots of city folkse don't get enough sunshine, and think moonshine is a good substitute.

This is a great world, 'cause everything is being put in bottles. They've had moonshine in bottles for some time, but now they are talking about bottled sunshine, and they say you don't need sunshine atall if you take codliver oil. I don't know what the codfish ever did to become a favorite son of the sun, but while I like fish about once a week, I don't like it every day. So I guess I'll try and take my sunshine direct instead of through my mouth.

Just to show how sunshine affects a person: I'm out in the sun a lots, and Sofie ain't. So I ain't afraid of the future, and am sure if I don't work my head off, I'll live longer. But Sofie kinda thinks if you ain't working all the time, something is going to happen. I'm going to try and get Sofie out, to see if she don't get kinda calm and contented like, kinda in tune with nature. Nature and me is great friends, 'cause we both like the sun.

HY SYCKLE.



Seed Show at Michigan State College Last Winter. This State Produces Some of the Highest Quality of Seed to be Found Anywhere.

HAS VALUABLE MARL BED.

FRANK HARRIS, of Deerfield township, Livingston county, has on his farm a valuable marsh comprising approximately seven acres. Just beneath the heavy greensward, within a few inches of the surface, and extending to a depth that varies in different locations from three to ten feet, lies a stratum of marl of superior quality.

In pioneer days an old-fashioned lime-kiln was built along the southern border of this marl bed in which marl obtained here was burned into lime. The brick walls of the school building, built a short distance to the north of the kiln, also other brick buildings in the immediate neighborhood, were laid in mortar made from this lime. It is claimed, too, that the brick with which the walls of these buildings were constructed was burned from clay directly across the road from the marl bed.—G. E.

WILLIAM BUILDS GOOD TABORET.

THE Gaylord Chamber of Commerce recently adopted a resolution in favor of a county appropriation for the continuation of club work. As an example of the training in self-reliance which is given club boys, Mr. L. V. Benjamin, club agent, tells what William Myers, a club member at Atlanta, accomplished. This boy had to build a taboret as one of the exercises in his handicraft club. William thought that he would do an extra good job so that his mother would be proud to have the article of furniture in her home.

The boy visited the lumber yards in the town, but did not find any lumber that he considered suitable for the work. He then called on his own resources by visiting a saw mill, where he secured a thick slab of hardwood. From the slab the club member then ripped out by hand several board feet of lumber. With this material, William then built a taboret which his club leader says is an excellent piece of work.

IZAAK WALTONS TO PLANT TREES.

THE Izaak Walton League of Fenton township, have planned for a varied and enterprising program of activities for the coming spring and summer. A shipment of pine and spruce seedlings have been arranged for. These will be distributed and planted in this locality. So successful was the potato raising project of the past summer that the league will again plant a considerable acreage, using only certified seed. The shipment of a large number of pheasants have been arranged for to be liberated in the swamps and woods of that locality. Also the planting of many perch, bass and bluegills in the streams and lakes of this vicinity will be undertaken. The highest point in this immediate part of the state, Denton hill,

located in Tyrone, Livingston county, has been selected as a point whereon an observation tower will be constructed.—E. G.

WOMEN OF MONTCALM LEAD IN FURNISHING STUDY.

THE interest in the extension work in home furnishing continues to grow in Cass, St. Joseph, Montcalm, and Kent counties. The groups enrolled in the project are studying the part which colors play in giving a room attractiveness. Seventy-six meetings were held in the four counties during the past month, and 810 women attended the meetings. The largest attendance at meetings was in Montcalm county where 249 women attended twenty-two meetings.

EXHIBITS IMPROVE EACH YEAR.

THE exhibits of canned goods and textiles made by Saginaw county women, and exhibited at the Chesaning Community Fair, improve in quality each year, according to the statement made by Julia E. Brekke, assistant state leader of home demonstration agents, who has judged the exhibits for the past three years. One of the features of the fair this year was a display of the work done by local groups in the home furnishing extension course. Local furniture dealers loaned materials to the exhibitors, who arranged a display of ideal groupings of furniture and room furnishings.

BOYS LIKE THIS ARE BOUND TO WIN.

GUSTAV AUE, Muskegon, was the state champion for poultry club work in Michigan in 1925. In 1926, Gustav used his flock as a demonstration flock for Muskegon county. In addition to winning the championship for the year in poultry club work, Gustav made a profit of \$735.98 on his flock. This young man has attended two short courses at Michigan State College, and is now at Ferris Institute, where he is doing preparatory work which will enable him to enroll in the regular course at Michigan State College.

GAINES PEOPLE INTERESTED IN DEMONSTRATION WORK.

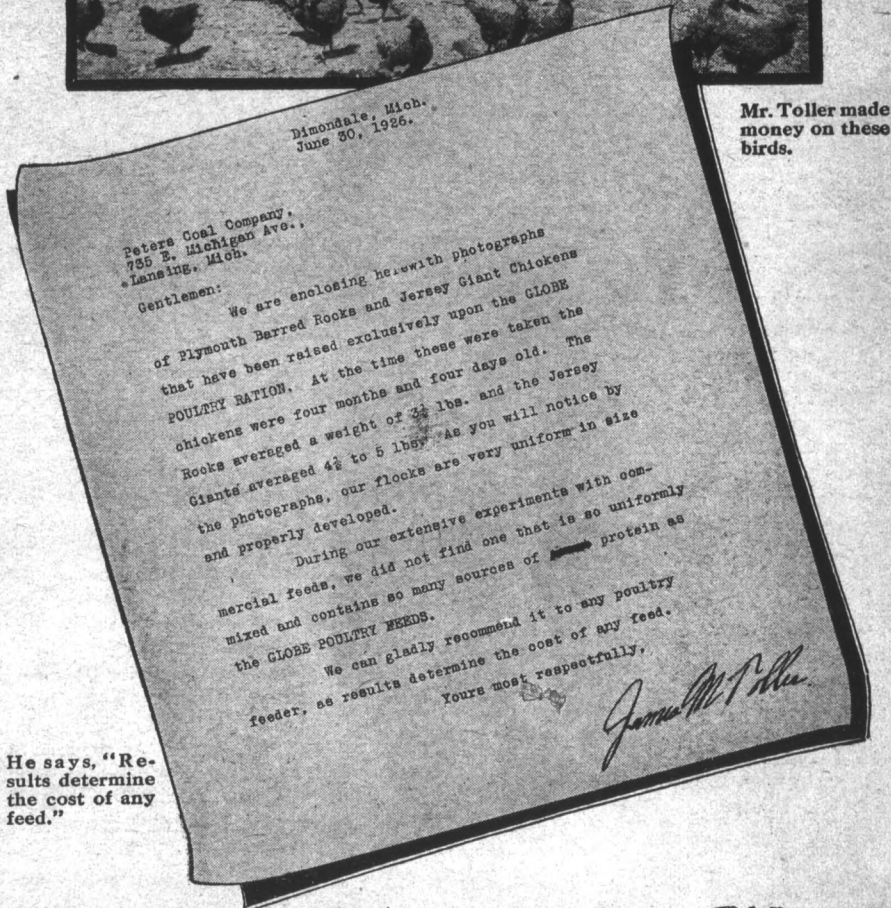
THE people living in the community at Gaines, in Genesee county, are interested in getting home demonstration extension work started in that community. Seventy-five people attended a community meeting there, at which Mrs. Louise H. Campbell, state leader of home demonstration agents, explained the way that the work is carried out in this state.

The farmer who fails to provide the best available seed supply for his own use, is missing one of the big opportunities in farming.

Does it Pay?



Mr. Toller made money on these birds.



He says, "Results determine the cost of any feed."

The One Thing You Want to Know About A Ration

Mr. Toller is right: if you are in the poultry business for profit, results—not price—determine the cost of a feed.

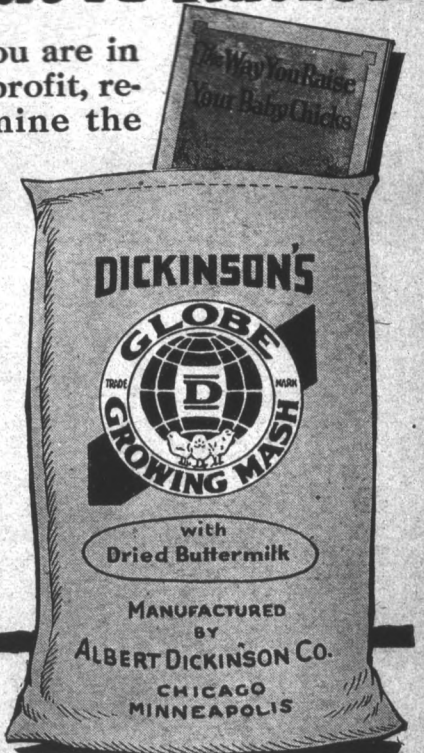
Globe Feeds are made for the poultry keeper who wants the biggest returns from his investment.

The Globe Method of getting the most out of chicks is described in the new booklet shown above, sent free on request.

THE ALBERT DICKINSON CO.
Box 788 M
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Look for the dealer who displays the Globe Sign



Please Mention The Michigan Farmer When Writing Advertisers

SAW YOUR OWN LUMBER
with a Howell Portable Saw Mill. Turn your standing timber into high price building lumber at the mere cost of sawing. Big demand for lumber, lath and shingles. Keep your engine busy the year round making Big Money in Custom Sawing for your neighbors. Howell saw mills are made in several sizes suitable for tractors of any size. Also Edgers, Planers, Lath and Shingle machines. Write for free Catalog, P-8
R. R. HOWELL & CO., Mfrs. Minneapolis, Minn.

State Capitol News

By Our Lansing Correspondent

A TRUTH-IN-FRUIT-JUICE bill has appeared in the state Senate, sponsored by Senator George S. Barnard, of Benton Harbor. For the past few years fruit men who formerly sold cherry juice and similar fresh fruit drinks, have complained of competition from artificial and imitation drinks. This bill would license all dealers in soft drinks, which license could be revoked in case the dealer did not live up to the terms of the bill. Imitation and artificial fruit juice drinks would have to be so marked.

Increased pay for three appointive state officials is proposed by Representative Fred R. Ming, of Cheboygan, in a bill empowering the state administrative board to fix the salary of the state health commissioner, the director of conservation and the secretary of the Michigan Securities Commission. Each of these officials now receive \$5,000.

A bill that would permit Governor Fred Green to have men of his own choosing in charge of the taxation affairs of Michigan, has been introduced in the House by Representative Wm. J. Thomas, of Grand Rapids. It would abolish the present state tax department and substitute a state tax commission composed of three men, each of whom would receive \$5,000 a year salary. The bill would take effect twenty days after it was passed and signed by the governor. It would automatically throw the present commissioners out of a job and empower the governor to appoint the three new commissioners, and permit the new commission to employ a secretary. This bill has already been reported favorably by the House committee on general taxation.

A limit of a total of twenty-five of all kinds of pan fish as the maximum that any person might catch in one day, has been approved by the Senate. The present law specifies ten of each kind of such fish as the limit, but Senator Charles R. Herrick, of Fenwick, is backing the foregoing amendment, which he declares is not only a good conservation measure, but is in accordance with common sense.

Wolves, coyotes and wild cats would be declared noxious animals and bounties would be placed upon them, under the terms of a bill by Senator Philip O'Connell, of McGregor, which has been reported favorably by the Senate committee of the whole.

The absolute power of the governor to veto actions of the state administrative board would be abolished by a bill sponsored by Senator Norman B. Horton, of Fruit Ridge, which has passed the Senate and been reported favorably by the committee of the whole of the House. Under the terms of this measure, five members of the administrative board could over-ride the governor's veto of any of their actions. There are seven members on this board. Senator Horton's bill is said to have the backing of the state administration. In his campaign, Governor Green attacked the present arrangement, which he termed "autocratic."

Amendments to the grape and apple standards laws, as embodied in bills sponsored by Representative Sheldon Coleman, of Lawton, and Representative Luther E. Hall, of Ionia, have been reported favorably by the House committee on horticulture.

The Horton bill to require hunters and other trespassers to obtain the written permission of the owner or his agent before entering any enclosed or

improved land, is still gathering dust in a pigeon hole in the Senate committee on conservation.

There is a great deal of talk about amending the gas and weight tax laws, but thus far no agreement has been reached and no legislation along this line has been reported from committees in either branch of the Legislature.

Two bills to discourage chicken stealing have been passed by the House, but neither has made any noticeable progress in the Senate as yet.

Governor Fred W. Green lost no time in signing the corn borer bill as soon as it was presented to him for his approval.

CONGRESS MAKES LARGE APPROPRIATIONS.

ONLY a few years ago, a billion dollar congress was considered to be highly extravagant in the appropriation of government funds. The sixty-ninth Congress, however, appropriated nearly nine billion dollars to carry on the government's work.

PLAN NEW FARM RELIEF WORK.

PROMOTERS of the McNary-Haugen bill are making preparations for an aggressive campaign this summer. Leaders say there will be no let-up in the fight for an equalization fee. Every possible means will be used to develop sentiment for the bill. This position, however, is not shared by Senator McNary, who is trying to draft a measure that will meet the requirements of the farmer and be acceptable to the President.

URGES ST. LAWRENCE PROJECT.

A JOINT governmental corporation which would issue bonds guaranteed jointly by the United States and Canada for the construction of the St. Lawrence ship canal is proposed by Secretary Hoover. He states that the canal would benefit 40,000,000 people, and that a thirty-foot channel would admit eighty-eight per cent of all ocean-going vessels. It would save

from eight to ten cents a bushel on the transportation of grain to the European markets.

DAIRYMEN TO MEET.

REPRESENTATIVES of all branches of the dairy industry are invited by the American Dairy Federation to take part in the activities of the second annual pilgrimage to Washington on April 26-28. Reduced rates have been granted on all railroads. A study of government activities in connection

with dairy work will be made.

WANT TO RESTRICT IMMIGRATION.

APPARENTLY, the committee on immigration in the lower House of Congress plans to further restrict the migration of people from other countries to America. The chief reason for the movement is to protect American ideals from being materially changed through the influence of European customs and habits of thought.

Corn Borer Control

Campaign Has Already Started

THE much-talked-of ten million dollar campaign to delay the spread of the European corn borer, recently authorized by Congress, began March 14. The United States Department of Agriculture, in cooperation with the five states of New York, Pennsylvania, Ohio, Michigan and Indiana, will conduct the campaign. In these states about sixty million acres are now infested. The appropriation will be used to compensate farmers for work done by them in connection with clean-up work not normal or usual in ordinary farm operations, and to purchase and operate such machinery and supply equipment as is required in carrying out control measures thoroughly.

The purpose of the campaign is to clean-up the borer as far as possible in the infested area. In the clean-up, the cornstalks either will be gathered and burned, or plowed under cleanly, care being taken not to drag any debris to the surface afterwards. Corn stubble will be destroyed with a stubble pulverizer. All cornstalks, pieces of cornstalk, and corn cobs around barnyards and feed lots will be cleaned up and burned. The plan is to pay the farmers for work that is done over and above their normal farming operations at a rate not to exceed \$2.00 per acre for field corn, and not to exceed \$1.00 per acre for sweet corn.

The first step to be taken in the campaign will be to notify farmers of the necessary measures which they must take according to the regulations adopted. It is expected that individual farmers voluntarily cooperating in the clean-up will take the necessary measures by May 1. Following May 1, all

infested farms will be inspected. If reported as meeting all requirements as to control measures, the individual farmer will be compensated for extra work, as provided by the regulations.

Where the regulations have not been complied with, either intentionally or unintentionally, the federal forces under the authority of the state departments of agriculture will conduct the necessary clean-up. The farm cost of such enforced clean-up will be charged to the individuals on whose farms the work is done, and will be collected on the same basis as taxes by the state authorities.

Prior to May 1, a large number of local field demonstrations in the selection and operation of machinery effective in borer control work, will be given as part of an intensive educational and publicity campaign to be put on cooperatively by the department extension service, the extension divisions of the state agricultural colleges, and county extension agents. This campaign will consist of educational field meetings, activities of the county and local committees in the interest of voluntary clean-up of the borer, supplying information to the press, and the distribution of educational material through the extension forces.

The campaign will be under the general direction of Dr. A. F. Woods, Director of Scientific Work, United States Department of Agriculture. R. R. Kauffman, special assistant, has been assigned to Doctor Woods' office to have general oversight of business and fiscal operations. The Department Bureau of Entomology will have direct supervision and conduct of the work, with W. H. Larrimer in administrative charge in Washington. L. H. Worthley, in charge of corn borer control work for the bureau of entomology for the past eight years, will head the field organization with headquarters at Toledo, Ohio.

The division of general operation, under the supervision of Mr. Worthley, will include sections to handle supplies and equipment, and all fiscal and accounting matters. The regulatory division, which, also, will be under the direct supervision of Mr. Worthley, will carry out the program for the inspection and certification of infested farms and the compulsory clean-up. The territory will be divided for regulatory work with one district comprising Ohio, Indiana, and Michigan, in charge of E. G. Brewer, at Cleveland, Ohio, and a second district, comprising New York and Pennsylvania, in charge of H. N. Bartley, at Erie, Pennsylvania. The engineering division will be in charge of C. O. Reed, of Ohio State University. This division will have charge of the inspection of machinery used in the campaign, the instruction of operators, the conditioning and operation of the machinery in the field, and like matters.

The following are the Michigan counties in which the clean-up will be conducted: Bay, Branch, Calhoun, Genesee, Hillsdale, Huron, Ingham, Jackson, Lapeer, Lenawee, Livingston, Macomb, Monroe, Oakland, Sanilac, Saginaw, Shiawassee, St. Clair, Tuscola, Washtenaw, and Wayne counties, and selected townships in Kalamazoo and St. Joseph counties.

"Rushing the Growler" Past and Present



ROADSIDE SIGN SELLS FARM PRODUCE.

JAMES A. GRIMES, of Montgomery county, Indiana, lives on an eighty-acre farm. He has a family of eight to support. The returns from the farm are not sufficient to provide properly for his family if he depended upon general farming. As a profitable sideline he grows plants and sells them to the neighbors.

Last spring he constructed an economical, but attractive sign, at his farm gate. This sign sold for him



The Sign that Sells. An Effective Silent Salesman.

12,860 sweet potato plants at fifty cents a hundred; 8,100 tomato plants at \$1.50 a hundred; and several cases of strawberries.

Mr. Grimes has the name of the farm

"INDIANA CREEK FARM," neatly printed, and passing motorists can readily see that his methods are first-class. There is an old saying, "You shall know a tree by its fruit," which might be modernized to read, "You may judge a farmer by the appearance of his farm equipment." Mr. Grimes would certainly "stand inspection." He has received requests for plants, which he has shipped, from people in Iowa, Minnesota, Illinois, and Mississippi. The only advertising he has ever used is the sign by the side of his driveway.

STARTING PLANTS IN CANS.

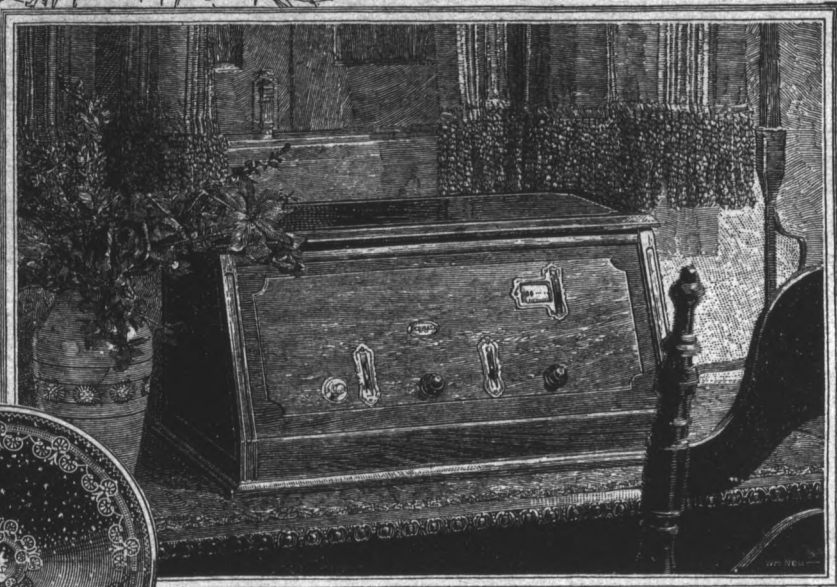
I HAVE found the five cent size condensed milk cans very useful in starting garden seed in. As soon as the contents have been used, I remove both ends of the can with a can opener. As soon as it gets time to start early seeds, I bake some rich earth to kill the weed seeds, then arranging these small cans on a board, I fill each can with earth, packing it down snugly. Then planting a few seeds in each can, I moisten the soil with warm water. Keeping them in a warm room, with a little warm water daily, until it is time to plant them out of doors. I have planted them, can and all, in the hill; and I have also dug a hole in the hill, set the can in, moistened the soil well, and pushed the earth, plant and all, out through the bottom of the can. Leaving the can in the hill presents an effective shield against the ravages of the cutworm. In setting out the plants in this manner, the root system is not disturbed and the growth is not retarded as in the usual method of transplanting. I have started melons, pumpkins, squash, cucumbers and garden huckleberries in this manner and had excellent results. This year I shall add tomato, and probably other garden truck to the milk can method. —G. Everitt.

He who waits for times to get normal before doing something, won't do it.

According to statistics compiled by the Metropolitan Life Insurance Company, the automobile is as great a menace to child life today as scarlet fever and whooping cough combined.

A mosquito sings at his work, but who admires him for it?

Peace makers are rarely out of a job.



The CROSLY MUSICONE
The finest loud speaker you can buy—not the costliest. Enormous demand has kept price at an incredible low level. Crosley patented actuating unit will reproduce sound perfectly. Volume is tremendous. 12 inch size, \$9.75—16 inch size, \$14.75.

New! Amazing! 6 tube
CROSLY
SINGLE DRUM CONTROL
RADIO \$ **60.**

Distant stations louder and clearer—cut through summer static with this powerful 6 tube radio.

Folks who own this new Crosley set are going to enjoy radio as much this summer as in winter. 1927 summer broadcasting will be more extensive than ever. With this 6 tube marvel stations formerly in the far-away class become neighbors.

Crosley radio is the farm radio because farmers as a whole spend their money very carefully. They are business men. They have learned to look for value. Actual count shows more Crosley radios owned on farms than any other make.

This new set of Crosley is a wonder. Match it against any set of 6 or 7 tubes. The volume of its reproduction will keep radio a delight all summer.

Crosley radios are high in quality. Finely finished cabinets, beautifully decorative in two tones and gold metal trimmings. Up to the minute single drum control. Easiest set on the market to tune.

Crosley radios are low in price, because Crosley mass production methods permit spreading expenses over many units instead of few. Second cost is reasonable too, because battery consumption is unusually low.

See them at your Crosley dealers. Write Dept. 205 for descriptive literature if your dealer cannot supply you

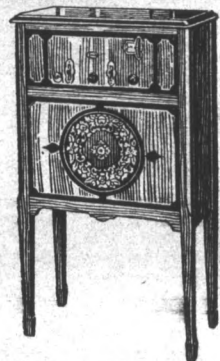
THE CROSLY RADIO CORPORATION

POWEL CROSLY, Jr.
President.

CINCINNATI,
OHIO.

Crosley sets are licensed under Armstrong U. S. Patent No. 1,113,149, or under patent applications of Radio Frequency Laboratories, Inc., and other patents issued and pending.

The 6-60 is a beautifully finished 2-toned mahogany cabinet. All stations found with and written down on single drum. Acuminators find stations missed on ordinary single dial control sets. Crescendos brings distant stations in like locals.



The 6-85. Same radio mechanism as in table model 6-60. Same startling results. Same complete radio satisfaction. Genuine Crosley Musicone built in this pleasing console. Beauty of tone and fidelity of reproduction unmatched. A rare value and a set that will give you pleasure for years to come. Price, without tubes and batteries..... \$85

When It Rains Let A FISH BRAND SLICKER KEEP YOU DRY!
THE GENUINE WATERPROOF OILED CLOTHING SINCE 1856
"The Rainy Day Pal"
A. J. TOWER CO. BOSTON, MASS.

KINKADE GARDEN TRACTOR and Power Lawnmower
A Practical, Proven Power Cultivator for Gardeners, Suburbanites, Truckers, Florists, Nurserymen, Fruit Growers, American Farm Machine Co. 1063-33rd Av. S. E., Minneapolis, Minn. Catalog Free

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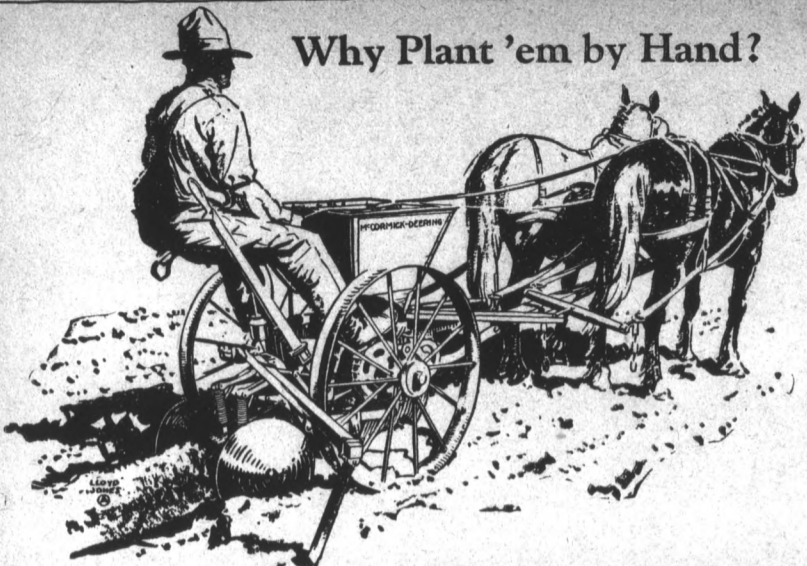
FRUIT TREES
Seeds—Berry Plants—Ornamentals
3-4 ft. Apple, 25c; 3-ft. Peach, 20c each post-paid. Guaranteed to grow. Flower and Garden Seed. We have 500,000 Fruit Trees, Evergreens, Shade Trees, etc., in fact, our 1927 Catalog has everything for Garden, Farm and Lawn.
ALLEN'S NURSERY & SEED HOUSE, BOX 7, GENEVA, OHIO
FREE CATALOG

Free: New Garden Book
Hardy fruit and shade trees, berries, roses, shrubs, vines, plants, flower and vegetable seeds—the best of everything from America's oldest and largest departmental nursery. 73 years of square dealings. 1200 acres.
Send for free new catalog.

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Try a Michigan Farmer Liner

Learn how the **BOLENS** saves time and energy in Garden Plowing, Seeding, Cultivating, Spraying, Lawn Mowing, Important New Tools. Attachments instantly interchangeable. Many vital patented features. Easy payment plan. Write today.
GILSON MFG. CO.
633 Park St., Fort Washington, Wis.



Why Plant 'em by Hand?

You Can Do It Better with the McCormick-Deering Planter!

Government Bulletin No. 1188 says: "It is significant that the yield of potatoes is less, and the cost of production greater on farms where planting is done by hand than on those planted with machines."

The McCormick-Deering potato planter handles cut seed and small whole seed with an accuracy as nearly one hundred per cent as it is possible to obtain with a mechanical planter. It possesses new and distinctively McCormick-Deering features, and employs the latest and approved principles of potato planter construction.

McCormick-Deering Potato Digger

The McCormick-Deering digger is made in a 6-ft. size for two horses and a 7-ft. size for four horses. The rear shaker thoroughly separates the potatoes from the dirt, and the vine turners throw vines and weeds to the side, leaving the potatoes in a clean row behind the digger.

Your local dealer can show you these McCormick-Deering planters and diggers. See him without delay.

INTERNATIONAL HARVESTER COMPANY
of America
606 S. Michigan Ave. (Incorporated) Chicago, Ill.

93 Branch Houses in the U. S.; the following in Michigan Farmer territory—
Detroit, Grand Rapids, Green Bay, Jackson, Saugatuck

**McCormick - Deering
Potato Planters and Diggers**

YELLOW AND LITTLE PEACH.

PEACH yellows and little peach, which practically put Michigan out of the peach business in 1905, again threaten to get beyond the control of the growers.

Little peach was said to be spreading more rapidly than yellows, and the epidemic of both diseases had reached a point where growers should become alarmed.

The township system of inspecting orchards and condemning trees is declared inadequate. Growers who said they depended upon peaches for their meal ticket, pleaded for the State Department of Agriculture to take over the inspection work.

E. C. Mandenburg, chief of orchard and nursery inspection, outlined a plan recommended by Dr. Bennett, of Michigan State College. It provided for the employment of local township inspectors, preferably growers, who would be trained by Michigan State College to identify trees infected with yellows and little peach.

Teeth would be inserted into the law to compel eradication and destruction of diseased trees. The cost of the work would be paid by the state instead of the township. Payment under the present law is by townships and in communities without funds, little or no inspection is being done. Most townships have no horticultural board or yellows inspectors, and the commercial growers fear this system is contributing to the spread of the virus diseases, jeopardizing peach growing in Michigan.

RID HOUSE PLANTS OF LICE.

What is the best method for getting rid of maggots in my house plants? The dirt is just full of them and they go right up the stems of the plants. My vines have white lice on them. I have boiled tobacco and sprayed them with the juice, but that doesn't do much good. What can I do?—P. D.

The white lice you speak of on your vines I believe to be the white-fly, and is very difficult to eradicate. Perhaps as good success as any can be obtained by the use of forty per cent alcolidal nicotine (nicotine sulphate). The following formula should be followed: One ounce of forty per cent nicotine sulphate to six gallons of soapsuds. The soap used should be common, ordinary laundry soap of the coarsest grade. The spray should be put on with an atomizer or a small garden pump, and it will be necessary to repeat the application several times, possibly five or six times, at intervals of from three or four days to a week. Ordinary soapsuds applied in this manner will give some results, though not as good as the application of nicotine.

If the maggots in the soil are as bad as described in your inquiry, there is little that you can do to save the plants. In the start, this trouble may be evaded by baking the soil. A pan of soil placed in the oven and held to 125 degrees for an hour, should be free from such trouble. After the maggots once get into the soil where plants are growing, it is next to impossible to eradicate the maggots without killing the plants.—Eugenia McDaniel.

ROOT CROPS FOR HOME USE.

(Continued from page 429).

beet greens is the fact that they never grow tough. Even when the stems get large and the roots of considerable size, the top cooks tender and is palatable. Swiss chard is a kind of beet which does not form a root, but the leaves may be used for greens all summer. New leaves grow from the heart as rapidly as the old ones are removed. For the first beets, plant a small-topped variety, like Eclipse, while for the main crop and for canning, the well-known Detroit Dark Red is the best. Varieties for winter use have long roots. These are of harder texture and keep better in storage

than the lighter-colored and softer sorts.

The turnip is a hardy vegetable and requires but a short season for development. It is a good plan to sow a few seeds early in the spring for early use. This sowing should be of the Milan type, roots of which will grow to table size in six weeks. One good thing about turnips is the fact that the seeds germinate quickly. The hard-type of turnips need to be planted at a time that will give practically three months of growing season before harvest. This does not mean three months before frost. The rutabagas make the best winter turnips. There are both white and yellow-fleshed varieties, the odds being slightly in favor of the former for table use. The quick-growing turnips may also be grown for winter use by planting as late as the last of July in most of our northern gardens. White Egg is the best of the varieties to plant late. A product similar to the turnip in taste is kohlrabi. The edible portion grows above ground, just at the surface of the soil. This product is best when the bulbs are about the size of hen eggs. As they increase in size, they become woody. The radish is too well known to need description. It will grow anywhere, the small rounded varieties being ready for the table in three or four weeks from planting. For summer use, one of the best varieties is Icicle, a long, white sort.

Onions need to be planted early in the spring. The easiest way to get a crop is by using sets. These are small onions grown the previous season and developed this year to edible size. If seed is planted, put it in the ground very early and firm the soil around it.

PLAN TO INCREASE POTATO ACREAGE.

THIRTY per cent of the 1,500 farmers who have visited the Michigan State College potato train in its swing through southwestern Michigan this week, over the New York Central Railroad, have indicated their intention of increasing their potato acreage this year. O. B. Price, Michigan Central agricultural agent, announced at Allegan, as the train departed for Plainwell.

The increase will be made chiefly by the small producers—farmers who grew only one or two acres of potatoes last year. A tabulation of the reports indicate many of the "one-acre growers" intend to plant two acres or more this season.

Mr. Price said it was striking to note that none of the farmers who grew five or more acres last year intends to increase his acreage this season. Several indicated they would reduce their plantings, approximately twenty-five per cent in an effort to do their bit toward offsetting the increases by small producers.

The greatest increase will take place in Hillsdale county. Approximately forty per cent of the growers who visited the train in that county indicated they would plant more this season.

The train is distributing northern-grown certified seed along the route. Farmers are showing a preference for Russet Rurals, although considerable Irish Cobbler seed, an early variety, was distributed at Hillsdale and St. Joseph counties.

Birds are said to have three kinds of language: alarm notes, call notes, and songs made up of call notes joined together.

The Bolivian government has established a professional school for women, to teach them principles of home-making, and to make them self-supporting.

Some doctors believe that yellow fever was known in America before Columbus' time, and that he caught the disease on his second voyage.

Graft FRUIT & NUT TREES!
THIS NEW EASY WAY!

With Seal Bark Nursery Wax you can graft 20 kinds of apples on one tree, grow Pecans on Hickory saplings, or top work old orchards. Grafted trees bear years before nursery stock. Send \$1 for enough of this wonderful grafting wax for 100 grafts with directions. Agents wanted. L. Grinnell, Box C Denville, N. J.

Agents Wanted

FULL OR PART TIME—to sell fastest selling item made. A thoroughly practical repeating shot gun selling at the extremely low price of \$14.98 retail. Liberal discount to agents. Write now to Herman Gun Co., 307 Fourth National Bank Bldg., Grand Rapids, Mich.

Try a Michigan Farmer Liner

HOLSTEINS Are Hardy

For 2000 years Holsteins have been bred for ruggedness. They thrive in all climates and sections without expert care and produce profitably under varied conditions.

Write for literature
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The HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA
230 East Ohio Street Chicago, Illinois

LEADCLAD FARM FENCE

Good Fences Make Good Neighbors

Nothing will cause bitter feeling between neighbors quicker than weak, broken down fences, that let the stock wonder at will. A good fence that stays good will keep your neighbors' stock out of your field, and keep your stock at home, too.

Leadclad fences stay strong years after ordinary fences have rusted away. They last because they are protected from the weather and rust by a jacket or coat of pure lead that's seven times as heavy as the coating on ordinary fences.

Leadclad Saves You Money Because It Lasts

It costs money to buy a fence. And then you're not done, for it costs labor and money to put it up. Why not save part of your money and labor by putting up a fence that will stay put up as long as three ordinary fences.

Write today for catalog and the facts about this fence. They are free.

THE LEADCLAD WIRE COMPANY
1211 Plainfield Ave. Moundsville, W. Va.

BOOKS FREE

(1) A review of the McLean County System of Hog Sanitation and how to make money on swine. (2) Fencing Farms for Profit. (3) What 17,000 Farm Folks said about the Advantages of a Well Fenced Farm. (4) How to Test Fence Wire. (5) Keystone catalog. The first three were written by farm folks and are chock full of practical suggestions and money making ideas. You should read them. Mailed free, postage paid. Send postal to-day.

Red Strand "Galvannealed" Fence

is the choice of careful buyers. They know its coppered steel and heavier zinc "Galvannealed" coating make "Red Strand" last years longer; that picket-like stays, wavy crimps, can't-slip knots keep it straight, trim, tight; that full gauge, honest weight add longer wear; that they pay no more for the extra years "Red Strand" gives. Ask your dealer for prices or write us.



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Insects eat up your profits

"Black Leaf 40" is the world's leading Nicotine insecticide. Effective as a spray or dust for insects; a dip for farm animals; a drench for sheep stomach worms. Made and guaranteed by world's largest producer of nicotine. Endorsed by Experiment Stations. Ask your dealer and County Agent or write us for particulars.

SPECIAL
Fertilizers containing our Sterilized Ground Tobacco Stems are superior. Specify Ground Stems in brand you buy.

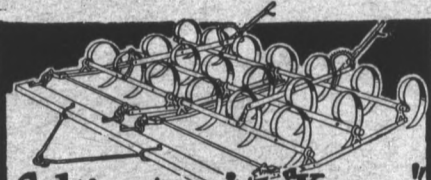
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Incorporated
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"Black Leaf 40"
40% Nicotine

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DIRECT FROM FACTORY

Send for my Free Catalog—see how my Direct From Factory Plan of dealing makes my prices lower, and I pay the freight. Big variety of styles in both Metal and Roll—splendid quality—Rock bottom prices. Satisfaction guaranteed. 24-hour service.—Jim Brown, Pres.

The Brown Fence & Wire Co.
Dept. 2827 Cleveland, Ohio



Cultivate with Kovar

Instead of using the ordinary harrow or cultivator thousands of farmers have increased the yield per acre by using the KOVAR Spring Tooth DIGGER. It eradicates quack grass and all other noxious weeds as well as lifts and aerates the soil leaving it finely pulverized and ready for seeding with one operation. This digger is adapted to the cultivation of all fields and is especially suited for alfalfa, orchards and other jobs that require thorough work. As many sections as desired—for any kind of power.

Get full information and illustrated booklet with name of your nearest dealer.

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Jos. J. Kovar Co. Owatonna Minn.

Handy Man's Corner

PAINTING OVER CREOSOTE.

ONE of the objections to using creosoted materials in a house or other building which is to be painted, is that it is very difficult to paint over it so that the creosote does not work through and cause a stain. This is most troublesome if the finish coat is to be light colored, but the stain is likely to show with any color. A good coat of shellac over the creosote will defer the stain coming through, but this adds to the expense and the creosote will eventually come through.

Where a dark appearance is not objectionable, such as fence posts, gates, corn cribs, hog houses, poultry houses, and so on, probably the best solution is to use the creosote by dipping or by brushing on two or three coats and leaving it that way. If a lighter finish is desired, it should be put on by means of creosotic stains, which are on the market and can be easily and quickly applied, and when the dark creosote begins to show through, another coat can be applied. It is hardly practicable for the ordinary farmer to mix colors with creosote as they must be ground together thoroughly, and hand-mixing is not likely to get uniform results.

KEEPING DOWN DUST IN BASEMENT.

As we have a dirt floor in our basement, we would like to know if cylinder oil would help in keeping the dust down, or could you suggest something that would do in place of concrete? We have a furnace in the basement, and that would be a help for drying clothes.—R. T. F.

No doubt used crank case oil spread over your basement floor would help in keeping down dust to some extent; but it seems to me that the remedy would be worse than the original trouble, since the oil would be continually tracked over your floors and rugs. Calcium chloride scattered over the floor would probably be more effective than oil in keeping down the dust, and would probably last for a couple of seasons, but to a certain extent would track on to the floors and rugs.

I think the only satisfactory floor for a basement that you use for furnace and wash room, is concrete, and where you do not have to buy anything but the cement, and can do the work with home labor, it is not a very expensive floor.

NEW PROCESS FOR PRESERVING POSTS.

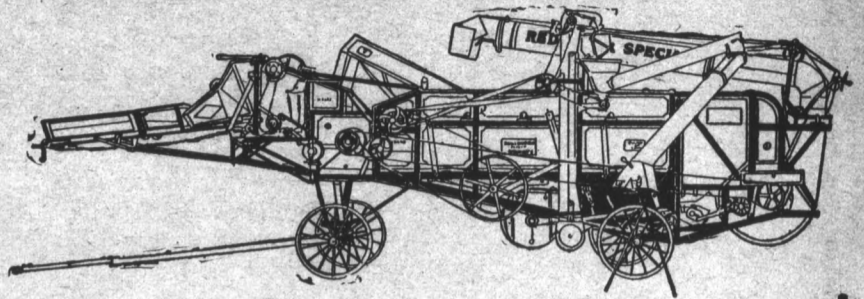
SOME of the experiment stations are now trying out a new process for preserving fence posts, mine timbers, and similar forest products. This consists, first in steeping or soaking the seasoned posts in a solution of some toxic or poison salt, such as sodium fluoride, zinc chloride, copper sulphate, and so on. After this treatment, the posts are given a light treatment with creosote, or creosote and gas house residue, to prevent the other solution from leaching or dissolving out.

While no authoritative statistics are as yet available, forestry experts believe that this process offers considerable advantages because of its comparative cheapness, especially in localities where creosote is high-priced on account of freight costs, and to the good results obtained by preserving companies who have been using these salt solutions without the creosote finish. Information in regard to this process can be obtained from the Forestry Department, Washington, D. C., or Iowa State College, Ames, Iowa.

Our teacher asked a classmate of mine what a skeleton was. She puckered her brows, then replied, "A skeleton is a lady with her insides out and outsides off."

—it SAVES the FARMER'S THRESH BILL

OFFERING YOU



Another Great Improvement 1st

Also 2 New Books Free

For years, the Red River Special Line has led in its ability to do clean threshing fast. It is nationally known as the machine that comes nearest to saving all the grain.

Having built the most efficient separating unit ever devised, Nichols & Shepard turned to bettering construction.

Three years ago Nichols & Shepard Company first offered in the Red River Special Line, the Hyatt Roller Bearings at every main bearing point. Last year, they added Alemite-Zerk Lubrication, and this year . . . the Red River Special Line is offered with another great improvement—Armco Ingot Iron—the great rust resisting metal.

Armco Ingot Iron is used in all sheet metal parts of the Red River Special Threshers. It makes the threshing machine as safe from rust as the steel machine made them safe from rot and fire.

Only on the Red River Special Line is Armco Ingot Iron used. And it is offered at no increase in price.

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22x36
28x46
30x52
32x56
36x60
Tractors
Lanson Built
16-32
20-40
N & S
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Red River Special Combine
15' cut
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Prairie Type
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However you thresh, no matter what grain or seeds you have to thresh, you will want to know more about the new and improved Red River Special Line. Our new book "Another Great Advance in Threshing Machines" will tell you all about it. Another book "The Book of Successful Threshing" covers in detail the advantages of the individual thresher and the neighborhood ring—You'll want it too. Send the coupon today, both books are free.

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My tractor is a _____ size _____ make _____

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FACTORY TO YOU FREE CATALOG FENCE. STEEL POSTS. GATES. BARB WIRE. PAINT. ROOFING

New Low Prices Now Ready
Big money-saving values in Farm, Poultry and Lawn Fence, Steel Posts, Gates, Barb Wire, Paints, Roofing. Buy now while prices are down. Prompt shipments. Factory to you. Satisfaction guaranteed. WE PAY THE FREIGHT. "I saved \$23.50" says Geo. Arney, Davies Co., Indiana. You, too, can save. Don't delay, write for our new FREE Catalog. KITSELMAN BROS. Dept. 278 MUNCIE, INDIANA

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Unhulled, re-cleaned, ready to sow, excellent quality. Also have highest quality scarified hulled seed at fully as attractive prices. We are headquarters on Sweet Clover. Investigate this wonderful crop and our low prices. Easy to grow. Unexcelled for fertilizing. Unsurpassed for pasture and hay. Save money by using Sweet Clover instead of Red Clover. We specialize in Grass Seeds. Write for Free Samples, Clover, Sweet Clover, Alsike, Alfalfa, Timothy and big seed guide. All FREE. Write Today. American Field Seed Co., Dept. 931 Chicago, Ill.

Try a Michigan Farmer Liner



Seed is the Greatest Single Factor in Determining the Prosperity of the Farm Home

WEATHER and disease may be uncontrollable, but the quality and adaptability of seed can be determined. It is a known factor that high quality seed insures a more certain crop than low quality seed. Everything on the farm depends upon the harvest. Livestock depend upon pasture, hay and grains, soil upon legume and man depends upon the results of both of these. You reap as you sow. If you sow well adapted, high quality seed, your chances for better banking credit, more comfortable living conditions, better opportunities for your family and your general well known prosperity would be much greater than with sowing poor quality unadapted seed.

Send for instructive folder "Take the Uncertainty out of Seed."

Michigan Farm Bureau Seed Service
Lansing, Michigan

Ask for Booklet

The only reason investors give for not placing their money in this safe old institution is because they do not understand just what it is and what it does.

They have never had it explained to them.

They are not familiar with its history nor the record it has for prompt payment (in hard times as well as good times) nor of the safe manner in which its business is conducted, nor of the many advantages afforded those who have their money here, and the ease with which they can draw their money when wanted.

We believe that if you will read the little booklet explaining our four savings plans, which we will be pleased to mail you free, that you, too, will be convinced and decide for yourself to place some of your money here earning

5% and 6%

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Resources
\$11,500,000

Established
1889

The National Loan & Investment Company

1248 Griswold St., Detroit, Mich.

Detroit's Oldest and Largest Savings and Loan Association
Under State Supervision

MY CHOICE IS SWEET CLOVER.

(Continued from page 429).

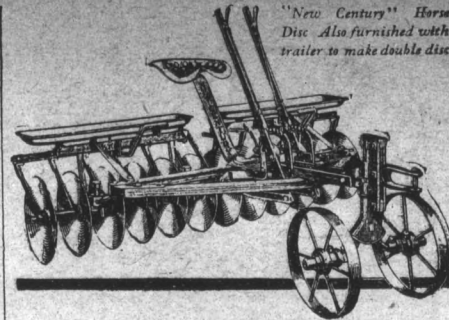
was tried on the farm at Holloway and in two years of trial gives promise of being a tremendous success. For two years we have cut sweet clover at early blossoming time with a grain binder. The bundles have been set up in long shocks just as if they were ripe grain instead of heavy green clover. It has been surprising to find that these soggy bundles, when set up at all carefully, cure within ten days into truly beautiful hay instead of turning into a moldy mess, as would be expected of a bundle of any other heavy, green stalks. The explanation of why this happens as it does, seems to lie in the fact that the stems of this clover are hollow and, because of their coarseness, the air is permitted to pass through the bundles on the outside and inside of the stems. Rain seems to be unable to spoil more than the extreme outside straws. Both years this method has been tried, a few shocks have been purposely left outside from the first part of June until October, in order to see how much weather they would stand. After four months of weathering such as they went through the latter part of the last two summers, we have come to the conclusion that this method of making hay is weatherproof. This story is hard to believe. It took a great deal of courage for me to try it, but I am glad that I did, for it works. Sweet clover hay need not look like brown, leafless brush, as it will usually appear when cut and handled loose in the windrow or cock, as the other hays are handled. When cured in the bundle, all the leaves are retained and, in spite of bad weather, they will be a bright green inside the outermost straw.

The binder method of cutting also permits leaving the coarsest parts of the plants in the field, which gives the second growth a much better chance than if the plants had been clipped lower. Hay made in the ordinary way in a very few cases have been accused of causing forage poisoning, which is quite serious. A mold which develops inside the stems seems to be the cause. I have never seen a case, though I have no reason to believe that binder-made hay is any better or worse in this respect from that made in the ordinary way. The way in which the curing is done probably does have some relation to the presence of this mold. Sweet clover is a new plant in the useful crop world, and there are a lot of things to learn about it. The behavior of the mold is only one mystery unsolved because of lack of experience in making and feeding this hay.

Sweet clover is not a competitor for the place of alfalfa on my farm, but I am convinced that the wild white blossom sweet variety deserves the place formerly given the red. The seed cost of the red is three times that of the white. Drought seldom kills the seeding of the sweet, while, far too often, the red winks out if the weather is hot and dry after the grain shade, with which it was planted, is cut. An acre of sweet clover will pasture at least twice as many animals as one of red will support. Sweet clover does not object to growing almost in water, and therefore means much to the farmer whose land is low and poorly drained. Sweet clover not only makes more hay than can be made from the red, and makes a hay of higher protein analysis, but makes that hay easier and without regard for the weather when it is made with the ordinary grain binder. As a soil builder, this once road-side pest is king of them all.

LEARNING BY PRECEPT.

LAST fall, at a school fair held in Lakeview, Montcalm county, there was one dress exhibited by a girl who made it herself. Since then a sewing club was organized in the school, and there are now fifty-six girls enrolled.



FOR ANY TILLAGE PURPOSE
FOR EVERY SIZE FARM
FOR HORSE OR TRACTOR

Roderick Lean HARROWS

In any Roderick Lean Harrow you use, you will find mechanical features and working advantages that provide better tillage and easier handling—features that set any Roderick Lean Harrow apart from ordinary harrows.

The Roderick Lean Harrows sold today are the result of sixty years of specializing in the manufacture, development and invention of better harrows. The world's best, most efficient harrows today bear the name, Roderick Lean.

There is a type and size fitted for every tillage need—disc, spike and spring tooth harrows for horse or tractor power. Before you buy any harrow this spring, it will pay you to get the facts about Roderick Lean harrows.

See your dealer today or write us for complete information.

The Roderick Lean Co.
Mansfield, Ohio.

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A COMPLETE LINE OF HARROWS
FOR THE FORDSON. Write for Folders



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Why experiment—use tried proven seeds that have made good for 48 years. Write today for 1927 Annual. **IT'S FREE.** Tells all about varieties, soil, when to plant, etc. Post card will bring it.

S. M. ISBELL & CO. Seed Growers (36)
322 Mechanic St. Jackson, Michigan

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200,000 all purpose, all fuel WITTE Engines from 1 1/2 to 30 H.P. in daily use. Sold all over the world, but to honest American farmers at Wholesale Magneto Equipped sale, **DIRECT** Factory Price, Easy Terms and No Interest. **The Standard Farm Power.**

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One of the 11 WITTE Power Plants. Saws from 3 to 6 inch wood. Popular and useful. Other Log and Tree Saw Outfits.

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All sizes, for every need. Have water all the time for stock, home, irrigation, etc. Direct gear or belt driven.

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FREE Big New Illustrated Catalog just out—shows complete line. How to make money with WITTE Outfits. Solves all farm power problems. 57 years practical experience. Send name—no cost—no obligation.

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Oats

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

Theo. Burt & Sons, Box 175, Melrose, O

DON'T WEAR A TRUSS

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

Brooks Appliance Co., 307 State St., Marshall, Mich.



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HOME OFFICE—FLINT, MICH.

Largest Farm Fire Insurance Co., in Michigan

A Blanket Policy Covering all Farm Personal Property.

Agents Wanted In Good Territory.

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SPRAY FOR PROFITS WITH A TRUE "Friend" Sprayer

NOW the small grower can buy a low price, high quality power sprayer. The New "Friend" Surprise is the only high quality, low price sprayer made.

Nothing like this little pump ever designed before. Simplicity throughout—nothing that any farm hand can not understand.

Pump capacity for one lead of hose at 300 lbs. pressure. 2 H. P. Engine, 100 gal. tank. Sold complete with light steel truck or complete on Bed above truck. Also sold without engine if desired. Easily hooked up with any make of engine. Present low price guaranteed only for a short time.

Write now, "before you forget it", for literature and full information on the Surprise Sprayer.

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142 EAST AVE. GASPOR, N. Y.



Why Burn Coal?

or Wood in Your Cook Stove or Heater when you can have instant heat with convenience by installing a Uni-Hete Kerosene Burner in five minutes' time!

For a limited time we offer to send C. O. D. this \$15.00 burner complete—including flexible fuel supply tubes, regulating valves and galvanized iron tank, ready to install, for only \$6.00.

Fits Any Stove or Range
Fully guaranteed against all defective workmanship and material for one year. Any part that proves defective, if returned, will be replaced free of charge.

New 1927 Uni-Hete Burner Outfit
vaporizes kerosene or distillate, mixes it with air producing an intensely hot, clean, smokeless, silent burning flame. Heat can be regulated to any degree by fuel controlling valves. Improves your stove 100%. Have been manufacturing oil burning devices for thirty-three years. We make this offer for a limited time only. Specify if for range or heater.

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Here's a Money Saver

With this Handy Farm Mixer you can make your own permanent improvements out of everlasting concrete and save about half the cost.

You can put in new walks and steps, make feeding and well platforms, put in concrete floors in your chicken and hog houses, stables and cow barns—make dozens of improvements that materially add to your convenience and to the value of your farm.

The "Handy" will thoroughly mix a wheel barrow load per minute. All metal construction—lasts for years. Can be operated by hand or with small engine. Used also for mixing slops, washing root crops—useful the year around.

You will be surprised at its low cost. It will actually pay for itself on a job or two.

If your John Deere dealer can't supply you, write us.

A Booklet Full of Helpful Suggestions—Free

"One hundred and one farm uses for concrete" points out many ways for profitably using concrete on the farm. Write to John Deere, Moline, Illinois, and ask for booklet MS-922.



Saving by Spending

You can actually save money this year by ordering an "Acme" Coupler Harrow. First of all, you save time and labor in preparing your fields for the spring planting.

More important still, you save the waste of seed and fertilizer by giving every seed a fine, moist, mellow soil in which to sprout and grow. You save the difference between fair crops and full crops. At the end of the season, you will have saved far more than the price of an "Acme" Coupler Harrow, and your Harrow is still good for many years.

Write for "Bigger Crops from Better Tillage"—FREE.

Nash-Acme Harrow Co.

941 Brexel Bldg. Philadelphia, Pa. No. 23 6 1/2 ft. wide

POWER MILKER \$35 COMPLETE READY TO USE

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

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

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

OTTAWA MFG. CO. 1822 White Street, Ottawa, Kans. 1822 McGee Bldg., Pittsburgh, Pa.

MICHIGAN Concrete STAVE SILOS

The last word in a permanent silo. Write for interesting free illustrated fact-proving literature. Tells how we manufacture silos under the best known process—and not stopping at that—how we erect them for you in a few days from ground to peak.

Special Terms if you order Now! Agents wanted in open territory.

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SAVE CALVES and prevent Barrenness

by using Aborno, the pioneer, guaranteed remedy for Contagious Abortion. Write for free booklet today. Aborno Laboratory 92 Jeff St. Lancaster, Wis.

SPECIAL LOW PRICES FOR ORDERS Now BUY NOW—PAY LATER

Made of copper-content ROSSMETAL galvanized

Easy erection. Permanent and tight. No shrinking or swelling. Can be increased in height. Movable. Safe against fire and wind. No freeze troubles. Secure wonderful booklet—"What Users Say."

Agents wanted. Check items which interest you and write for catalog.

Ross Cutter & Silo Co. 241 Warder St., Springfield, O. Makers of Metal Hog Houses—Brooder Houses—Silos

Cribs—Bins—Cutters—Roughage Mills.

Service Department

HAVE IT IN WRITING.

We are working my foster-mother's farm and keeping her. We board her and furnish her coal to burn in her part of the house, and also give her a third of all raised on the place. If she should die without a will could we come on the estate for our pay for keeping her? If she wills her share to some of her folks, could we get anything for her keep? Her husband died, leaving no will, and there was no joint deed.—Mrs. H.

In the case of parent and child, there is no implied promise to pay for anything done by one for the other, and it is believed the same rule would apply as to foster parents, especially under the circumstances stated in this case. She is living on her own premises and the foster children are having the use of them. The only safe method is to have a definite understanding in writing.—Rood.

RENTER'S SHARE OF MANURE.

A. rents his farm to B. A. owes on this farm and turns it back to C. at close of years. What share of the manure can B. hold? He has drawn crops from other farms and fed them up on this farm.—A. H.

Where a tenant draws feed on to a farm he has rented, and feeds it and mixes it with the feed grown on the farm, it has become impossible for him to separate the manure from the feed brought on the farm from that grown on the farm, and therefore he has no right to recover any of it.—Rood.

TAX EXEMPTION FOR SOLDIERS.

Is there any exemption of taxes on land or farm home for the Spanish-American soldiers, as there is for the Civil War veterans?—S.

Session Laws 1919 No. 331 provides, \$1,000 exemption on the homestead to soldiers and sailors of the Mexican, Civil and Spanish-American wars; but in order to obtain the benefit of it, it is necessary for the claimant to file with the supervisor an affidavit, setting up the facts each year at the time the assessment is made.—Rood.

TAX REDEMPTION.

I bought a 1923 tax in Missaukee county last may for \$23.48. The taxes have since been straightened up and the place sold, so a party declared. This party also informed me that if I sent the tax receipt I had to the auditor-general at Lansing he would send me double the amount I paid on the tax sale. However, the auditor-general sent me a check for \$25.35 and did not explain as to why he did not send the double amount. What should I do in this case?—C. M.

If the land is redeemed within a year after the sale, the owner pays only one per cent a month, plus \$5.00, in addition to the amount for which the property sold for. It is only in case of failure to redeem within the year after the purchaser is entitled to 100 per cent increase.—Rood.

LIABILITY FOR HUSBAND'S NOTE.

Before her marriage, my wife loaned \$500 to a neighbor who did all his business in his wife's name. He gave my wife a note bearing his wife's name, and he signed under her name. The note read, "I promise to pay," instead of "we promised to pay." Now both my wife and this man are dead, and I own the note. This man's wife declares she did not sign the note, although she had sent a check to my wife in payment of one year's interest. Can I compel her to pay this note?—Subscriber.

The form of the note makes it a point and several liability; provided it can be shown that the wife received the consideration for the note, as a married woman's promise to pay her husband's debts would be void.—Rood.

Cows that had a craving for rusty wire and nails, which showed an incomplete ration, were cured by giving them a well-compounded mineral mixture.

September 25, 1926.

THE FLORIDA GROWER

Start Truck Crops With Disease-Free Plants

THE COUNTRY GENTLEMAN

Damping Off **Gardens** (Continued from Page 186)

ONE of the chief difficulties of the gardener with his seedlings in the hotbed is damping off. Gardeners have many ways to wet the soil thereby preventing the damping off and at the same time injury to

\$50,000,000 for Crop Protection

FIFTY million dollars were spent for crop protection in the country last year. A large portion of the huge sum was absorbed in the use of the method of disinfecting seeds.

TO DISINFECT SEED

Crop losses in the United States caused by parasitic organisms, such as fungi and bacteria, amount to many millions of dollars annually. Some of these losses are directly traceable to parasites which are carried upon or within the seeds, as for instance wheat, oats, barley, corn, rye, beans, etc. It is estimated that all the cereal crops are reduced in value by 10 to 20 per cent on the average.

August 15, 1926

The Control of Plant Diseases Carried by Seeds

Help against vegetable crop diseases

ANTHRACNOSE! fusarium! rot! blight! rust scab
rhizoctonia! mildew! wilt! damping-off!—a dozen or more diseases to feed your crops to before you can get a harvest. Plant diseases take from 10% to, 90% of the fruits of your land and labor—and NEEDLESSLY! You can change this annual loss into an annual gain by stopping disease before it gets a start through disinfecting your seed with Semesan—the organic mercury disinfectant for fungous and bacterial diseases. Actually DOES what the old disinfectants failed to do and has none of their serious faults.

SEMESAN

MAKES SEEDS HEALTHY

Read what users of Semesan say about its practical results:

- BEANS—**
"I planted five acres of alfalfa sod to beans and treated one-half with Semesan and left the other half untreated. The treated part of the field made a good 90% stand while I had to disk up and replant the untreated part."
—Anton Herzinger, Buhl, Idaho.
- CORN—**
"On some of our seed corn which, thru accident, was permitted to mold and heat slightly in the sacks, the Semesan treatment proved decidedly effective. The untreated damaged seed corn germinated 66% strong."
—Stokely Brothers and Company, Newport, Tenn.
- PEAS—**
"I had remarkable results on early peas, my Semesan treated peas came up a perfect stand and were stronger and more vigorous than I ever had before. Believe from appearance of the two patches that I had twice as large a yield as my neighbors."
—Roy I. Shaw, Twin Falls, Idaho.

DU PONT

E. I. DU PONT DE NEMOURS & CO., Inc.
Dyestuffs Department,
Wilmington, Delaware

Gentlemen: Please send me your Vegetable booklet.

Name.....
St. or R.F.D.....
City.....State.....

MIF March

\$600.00 Starts You

Pay Balance Out Of Earnings!

Get into the Well Drilling Business. Earn from \$25.00 to \$50.00 per day clear profit. Be Your Own Boss! Exceptional opportunities are open in every community for drilling wells, which you can work at the year 'round! A Machine for every depth, built in gasoline traction and non-traction models. Write TODAY for our BIG FREE BOOK describing ARMSTRONG ALL-STEEL WELL DRILLS. Address
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Canvas Covers

Truck and Stack Covers made to fit your need. Sample on request.

Tents, Awnings, Camp Supplies, Covers

FOX TEXTILE CO.

603W Michigan Ave. Ypsilanti, Mich.

Planet Jr. How far do you walk behind a cultivator?

WHEN you hook the single-tree into the clevis of a walking cultivator you may be off for a few hundred yards through the family truck patch. Or for several miles between rows of corn, or potatoes; tobacco or beans. What sort of a job will it be when it's done? Don't wait until cultivating days are upon you to make up your mind that you'll have a Planet Jr. No. 8 Horse Hoe this year. Planet Jr. No. 8 is the most famous five-tooth walking cultivator made. It is the last word in easy handling; for strength and rigidity; for convenience in adjusting by handy levers to the just right depth and width of cut. It sure lays by clean crops.

Full information about this famous tool is given on pages 34-36 of the Planet Jr. Catalog. Mailed free on request with handy home gardening manual—"Home Gardens—How to 'Grow What You Eat'".

S. L. ALLEN & CO., Inc.
For 55 Years Largest Manufacturers of Specialized Field and Garden Implements in the World
Dept. 58-E, 5th & Glenwood Ave. Philadelphia

Grow what you eat!

YES." Jim looked about to be sure no one was in the store. "He is wanted by the authorities for posing as a railroad claim agent." "Really?" Her voice was not quite itself.

"Yes. That is enough to send him to jail. I think it is my place to speak to the sheriff about it."

"No!" She took one step forward. "You promised me you would not do that, Jim. I trusted your word." And before he could stop her she was out the door.

Jim wiped his face again, then he clicked his teeth. "But I never promised not to lick him," he said, and went to wait on a customer who was entering.

Looking back over this story, it seems to be all talk, like a French fight. It is tiresome, and yet, while it was happening, a little at a time, the touch of mystery gave it a kick. It was not a blood and thunder affair, but, as Bill said, some of Sherlock Holmes' best cases were that way. Bill prefers murders, but when no one accommodates him with one, he is willing to make the most of the next best thing.

ON the face of it there is nothing very exciting about a piano leg, or a dozen piano legs, or a trainload of piano legs, but this was different. Life was full of piano legs, not the peaceful parlor variety, but a livelier kind that kept popping up in all sorts of unexpected ways, and each had a little mystery all its own. For instance, that afternoon when on my way to school, I stopped at Deacon Brown's on an errand for Ma, the deacon was telephoning.

"It is a square antique model," he was saying, as though describing his own head.

"My son has owned it only a short time.

"Yes; the legs are all in perfect condition."

"I said 'All.' It is customary for me to speak the truth."

"Sir! . . . Good-bye!"

He hung up the receiver and swung around with a red face. "Some people are intolerable," he sputtered to his wife.

"Yes, Josephus, how true that is," she purred.

"This fellow with whom I was talking wanted to buy a piano. I informed him, as you heard, that we did not care to sell ours, but he must keep on talking about it."

"How rude, Josephus."

"Ignorance, pure ignorance, Henrietta. After I had plainly told him that we would not sell, he asked the style of the piano, how long we had owned it, and if the legs were all in good condition."

"As though that was any of his affair!"

"Exactly. So it seemed to me and I answered him sharply, at which he became profane."

"Josephus!" Mrs. Brown threw up her hands.

"Naturally I terminated the conver-

The Piano Leg Complex

By Merritt P. Allen

Author of "The Wiggins Bond Mystery," "The Spirit of Spencer Spudd"

sation abruptly," continued the deacon. "I should hope so. Who was the wretch?"

"I failed to catch his name, but the call came through East Hillbrook."

"Some vulgar person," Mrs. Brown decided.

I had more than half an idea about him myself so when I saw Jim going down the street I caught up with him. "Still want to punch friend Fitzhugh?" I asked.

"You bet I do."

"Haven't found him yet?"

"No; I haven't had much time to hunt for the yellow sleigh."

"If I tell you where he is, will you let me go after him with you?"

He smiled. "Sure thing, Speck."

"Then call up some of your friends in East Hillbrook and have them locate the gink who hired a bay horse and yellow sleigh there last night. I

of a man, and two boys and a dog. This one did not.

"Cold today," Jim said, warming his hands at the stove.

"Yuh," the chuck answered, half opening his eyes.

"Not a bad winter, though."

"Yuh."

JIM looked disgusted. "Is there a fellow named Thompson staying here?"

"Yuh."

"I would like to see him."

The chuck sighed and yawned. "I reckon he'll be down to supper."

"I can't wait until then," Jim said.

"Will you call him?"

"Lordy, his room is w-a-a-a-y off in 'tother end of the buildin'. He couldn't hear if I was to holler."

Jim said something under his breath, then aloud, "Where is the room?"



guess they can find him easy enough." And I went along to school feeling pretty Sherlockey myself.

That was Friday. School was out early and as we hit the street there was Jim with his delivery rig. He took us in and when he had shaken off the other kids he told us he was on his way to East Hillbrook where he had located that low lived son of a sea cook's sister, meaning Fitzhugh. Only now he went by the name of Thompson and set up to be some kind of an agent. We stopped at the house for our overcoats and Scotty and told Ma we were going with Jim to deliver goods, which was no lie, for by the looks of him he intended to deliver the goods to Mr. Fitzhugh.

He didn't say much on the road and neither did we, for there wasn't much to talk about except piano legs and we were getting fed up on them. East Hillbrook is big enough to have a hotel instead of a boarding house, and it also has what most towns don't have nowadays, a livery stable with at least two rigs to rent. Jim left his rig there and in one corner of the barn we saw Fitzhugh's yellow sleigh. The hotel itself is quite a place in summer, but when the automobiles stop traveling it puts on its slippers and takes a nap. Only one door had been shoved out that winter, and going through that we entered a sort of office where, on a sofa beside a red hot chunk stove, lay the proprietor in his shirtsleeves and stocking feet, just about as lively and bright-looking as a woodchuck on New Year's day. Less so, for an ordinary woodchuck would take notice

"Oh-hum!" Two more yawns. "You go through that door and up the stairs and along the hall and around a corner and along to a door marked No. 14—that's him."

"Thank you. Sorry to have troubled you."

"Yuh." And the chuck was asleep again.

We wandered around and up and down in the old shack until we came to No. 14 which seemed to be the only one in the whole building that was occupied, as the dust was thick on all the other door knobs. Jim rapped and suddenly, without any sound from within, the door opened and there was Fitzhugh.

Jim bowed. "Mr. Thompson?"

"Yes, sir." He had recognized Jim and started to close the door, but Jim's foot was in it.

"I thought I would drop in and see you," Jim said, pushing the door open in spite of him and stepping into the room followed by us and the dog.

"This is a private room, my man," Fitzhugh said, backing up.

"That's good." Jim shut the door. "What I have to say its not for the public."

"I shall call, if you raise any disturbance."

Jim smiled. "You couldn't raise any one here with dynamite."

"What is your errand?" Fitzhugh growled, less smooth.

Jim wasn't flush with words. "I want you to clear out of here. If you try to see Miss Dirkin again or cause her any more annoyance I'll maul you within an inch of your life."

Fitzhugh raised his eyebrows. "Will you?"

"Yes, I will."

"She is your friend?"

"She is."

"And she has asked you to threaten me?" It seemed to me that Jim was losing the lead to this smooth guy.

"She hasn't," Jim denied. He was too hot headed to argue well, anyhow. "If she wasn't so kind-hearted you would be in jail where you belong for posing as a railroad claim agent."

"So these youngsters say, I presume." Fitzhugh had recognized us and now smiled in our direction, a pleasant eat-you-by-and-by-little-mousie smile. "They are clever lads."

Jim dove ahead. "I know you figure on seeing her again or you wouldn't be staying here where you can drive over after dark. You are the kind that has to work in the dark. But if you aren't out of this country within twelve hours I'll have you jailed regardless of what she says."

Fitzhugh seemed pleased. "I trust there are two cells in the local lock-up, for when I go Miss Dirkin goes with me. Don't forget that, my friend."

"You lie!" Jim roared.

Fitzhugh shrugged his shoulders. "Very well, put it to the proof. If you want your girlie behind the bars, put me there."

Jim said something that you probably will never see on Sunday school memory cards and dove for him. But he stopped short, his nose not an inch from a mean-looking revolver.

"The thing to do," Fitzhugh said in his oily voice, "is to leave this room at once. I am defending myself in my private apartment and will be justified in shooting if necessary. Your superior intelligence must perceive as much. I am very fond of men and boys and dogs, but at present I crave solitude. Move—now!"

We weren't exactly cowards, but we weren't fools enough to tackle an armed man who had the drop on us, so we moved, feeling mighty foolish.

CHAPTER XII.

THERE was a large thick slice of silence wherever we went until we were in the sleigh and headed for home; then Jim said, "I am going to have my picture taken. Some time there may be a prize contest for damn fools and they will want a photograph of the winner."

Scotty looked up and wagged his tail, Bill said nothing, and I finally got out, "Oh, well."

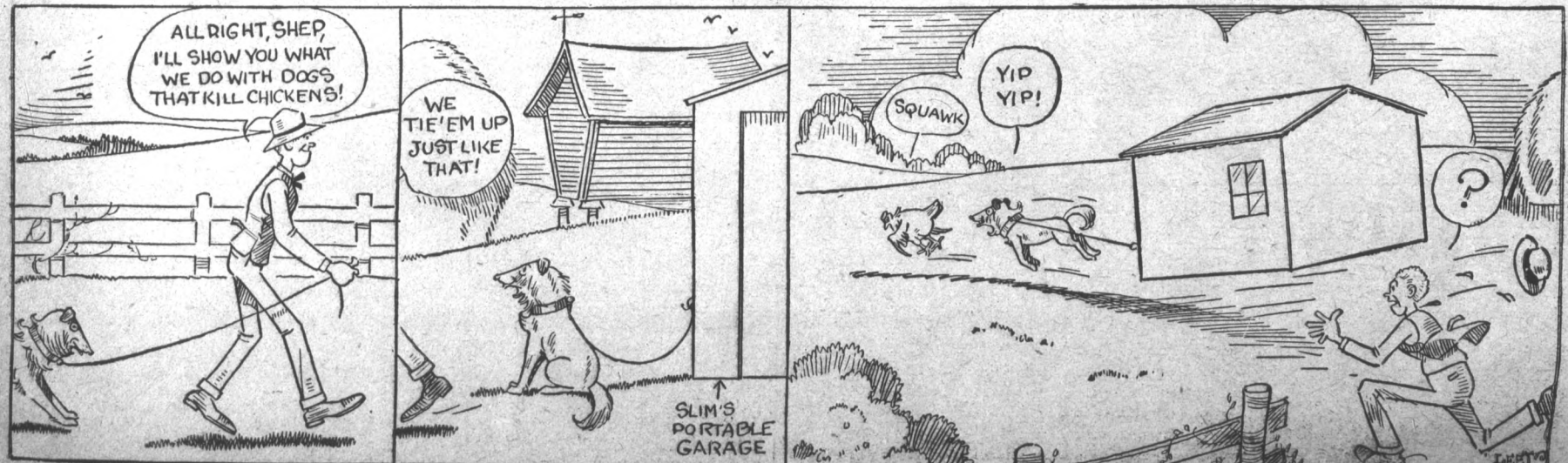
After half a mile, Jim said, "I wish I were half mule, then I could kick myself harder."

Another half mile during which the conversation was about as lively as the man in the hotel office. "I'm a smart one," Jim growled, "blundering into a man's room that way. Of course, he had the law on his side. If I had only coaxed him outside."

"But he had a gun," I reminded him. "I might have known he would have one. Cowards and thieves always go armed. He is a thief. He didn't deny that he ought to be in jail."

Activities of Al Acres—Slim's Flivver Cage Wasn't for a Dog House

Frank R. Leet



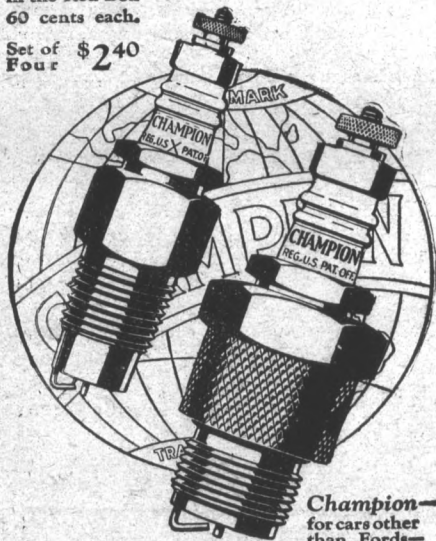
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"And," I said, making a clean breast of it, "he was pretty sure he could drag Miss Dirkin with him."

"I would thrash you for that," Jim said slowly, "but you can't be blamed for saying it. From what she has said and from what he has said, it looks to you as though they were tied up together in some crooked business."

"That's what," I agreed, though I hated to.

"Naturally." He made a few curleyques in the snow with his whip. "Two and two makes four except when you are in love. That's why I don't believe it. I am in love with her." He cut a terrific slash in the snow. "I don't care who knows it. I was in love with her before I saw her or I would have let Mel arrest her that first night. But Fate knew she was

innocent. Fate knew I was the only one who could have her so it sent her to me or me to her. And, by thunder, I'm going to save her." He was actually sweating there in the north wind and his honest face had the painful, stern expression that generals put on in pictures just before they do something big.

"Boys," he burst out, slashing at the snow, "that girl is in trouble. It is up to us to help her. What can we do?"

"The first thing," Bill spoke up at last, "is to find out what ails her."

"You've said it," Jim agreed. "But how can we do that?"

"That's your job," Bill told him, as cold blooded as a frog. "Pet her and wheedle it out of her. Get her to weep on your manly chest."

(Continued next week).

Review

Our Weekly Sermon—By N. A. McCune

WHAT is the good of reviewing? Why go over things that one has already read or studied?

Because our forgetter is in such perfect working order. Because, too, the second time one goes over a lesson, he often gets from it more than he did the first time. Reviewing is one of the prime requisites of good teaching and of thorough learning. The brain needs to have more than one impression made upon it. Habit is formed because the same impression is made on a certain part of the brain many successive times. You who read this always lace up one shoe before you do the other. You comb your hair in the same way and with the same



hand, or with the one hand before you use the other. You hold a cup in a certain way when you drink your morning coffee. Truth requires reiteration, to get well settled into the mind.

John Wesley, the founder of Methodism, was one of nineteen children. All the Wesley children were taught at home by the mother. She was firm but patient. One day the father said to her, "My dear, why do you tell that child the thing you are teaching twenty times?" "Because," she replied, "nineteen times are not sufficient."

The Christian follower of Jesus. We who allow ourselves to be called Christians, are followers of the greatest Teacher in the history of the human race. To become even ordinary pupils requires discipline and effort. We cannot drift into excellence, nor slouch into the kingdom. Do we not often hear a voice whispering, "Up, up, and at it!" To be a follower of an eminent scientist is counted an honor, but sincere followers of the Galilean Teacher have done the most to make a livable world of any inhabitants of this interesting planet.

The Standard. It is high, in fact, impossible, without outside assistance. "Be ye therefore perfect." Perfect! Going pretty strong, isn't it? People whom we have known who claim perfection have not been particularly successful advertisements of their craft. Sanctification has often meant crankification. But we must have a lofty standard, something to aim at. The man of low ideals never rises very high. Great abilities married to low ideals have made no end of misery in the world. In what are we to be perfect? Not physically, nor in knowledge. But in love we may approximate perfection. In fact, Wesley maintained that it is possible to become perfect in love in this life. "Do unto others, as—" And actually do it!

The use of the Bible. To use the old book "broadens the brain, kindles the imagination, purifies the heart and transforms the life." One of our contemporary American writers says he

reads the Bible, because it makes the reading of many other books superfluous.

Prayer. Says Dr. Samuel McComb in his bright little book, "The New Life:" "Now it is prayer that arms the will to beat down temptation, or to concentrate its forces on the accomplishment of some forbidding task. This statement is supported by abundant testimony. Here is a letter from a physician to his nephew: 'Cultivate the habit of prayer. Pray to the Great Spirit every time you start out to do anything that you know will test your powers. Pray at any time and everywhere. I say to the Great Spirit, for that is the name I love best for God, whenever I feel I am up against it and weakening, or likely to prove not myself in some trying situation: "Help me out, Great Spirit, will you? I am a poor fellow; I lack strength of character in many ways; help me out, Dear Great Spirit." And just in proportion to as I am in earnest and have faith, my prayer is answered.'

Overcoming Temptation. God does not create temptations, but He allows them, and expects us to overcome them. Jesus passed through the worst of ordeals, and later related how He met the temptations of that hour—by prayer and the use of the Bible.

Stewardship. The steward of a large hotel or of an ocean liner is an important post. And life itself is a stewardship. We are God's agents, God's trustees, given large responsibility, for which we will have to give account. A good type of steward is a collie dog. He watches over the flock, bringing up a straggler here, turning back another over there. When night comes, the chances are that every sheep will be accounted for.

Making the Home Christian. A nation of Christian homes would be a Christian nation. Fathers, this lesson says, do not provoke your children to wrath. Sometimes fathers do, unintentionally, provoke their children. We ought to be careful about that. Looking back, twenty years hence, we do not want them to bring up unhappy memories of injustice. The home will be Christian if father and mother start out to make it so. When the knot is tied, and the youthful couple begin living together, if they invite in a Third Person, who listens to every conversation and is the delightful guest at every meal, those young people have gone a long way toward creating a Christian home.

Serving through the Church. The church needs consecrated workers, and in turn the workers get much more than they invest. The interest returns are large.

SUNDAY SCHOOL LESSON FOR MARCH 27.

SUBJECT:—Studies in the Christian Life—Review of the Quarter.
GOLDEN TEXT:—If ye love me, ye will keep my commandments, John 14:15.

Are you feeding the right Salt?



A NOTED agricultural expert, after a series of tests, found that when stock goes without salt it is not long until they take on a haggard appearance, the coat roughens and loss in weight and productivity follows.

Livestock needs salt to be well-conditioned and efficient. But you must feed them salt they will eat. An untouched salt pile does no good.

Feed your farm animals Diamond Crystal Salt. It is pleasant to the taste and free from impurities. The stock will eat it—all they need; instinct tells them when to stop. Diamond Crystal Salt always makes better animals; better producers.

There is a Diamond Crystal Salt for every farm use—for livestock, for curing meats, for table and for cooking, for canning, for butter and cheese-making. Be sure to ask for Diamond Crystal at the store where you trade.

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Woman's Interests

What of the Years Beyond?

Do Daily Problems With Your Children Overshadow Compensating Years?

THERE is something about the mellowness of spring days that profoundly recalls our own "childhood" days. Perhaps it was the promise of the barefoot hours ahead, or the coming of the dandelions and green verdure that made our childhood hearts so fluttery and our feet so tingly and impatient.

At school, we pondered over our books half-heartedly—waiting! waiting! We must have been peculiar specimens of spring fever as we chewed on our penny cedar lead pencils, glanced at the coaxing sun—and meanwhile studied "jography."

We felt toward geography as the little girl did about the cow. She didn't like milk; she didn't like butter; she didn't even like cottage cheese—so she felt the cow could "go to grass" as far as she was concerned.

Today, perhaps, most of us have children of our own. We are learning more and more each day about the eccentricities of childhood. So it is, and so it should be. We are learning indeed, that: "It takes a heap of livin' in a house to make it home."

When parents are rearing their children, if they could catch a vision of their compensating years, the ones beyond, they would shoulder their responsibilities more sturdily and happily. They would have greater strength for the increasing burdens, more incentive to "carry on."

There will be perplexing moments when company comes and one of them will be sure to say: "Why can't we have this sometimes when company isn't here?" There will be the ardent stomach-aches which start at 7:30 and abate shortly after the other children have gone to school. There will be dozens of "Oh Gee!" "Good Garsh!" Last, but not least, there will be someone to always relate the unexpected.

All of these are just childhood eccentricities, just plain phases. They will come and go; you will learn to despise and love them. Invariably, they will right themselves—but in the meantime, be patient and tactful.

Those are your hardest years. It will seem at times that your children step on your feet and on your heart. But you must remember that you and their father are not the only ones watching the children. God is still in the Heaven, you know. But He cannot help you unless you are willing to help yourself. Keep cool—be firm—and do not lose your balance.

When things look unusually cloudy, think of John Wesley's mother with nineteen children. When asked to give a rule for raising children she explained that she had used nineteen different rules. No two children were alike; hence, each one required a new set of tactics.

After all, your youngsters are probably just normal, lively, nice, naughty youngsters and you are making Himalayas out of mole hills.

Remember, you have always before you the compensating years, the ones beyond—today plus a few tomorrows away.

PLAN DIFFERENT MEALS FOR SPRINGTIME.

SPRING calls for something new. When the first warm days come we get busy and fix up the house with new accessories here and there and plan our new spring clothes. Perhaps if we will hunt out some new recipes, or revive some past favorites, it will

help to restore lagging appetites. Ginger bread would be a welcome change from plain bread and butter.

Sour Milk Gingerbread.

1/2 cup sour milk 2 tsp. cinnamon
3/4 cup molasses 1 tsp. soda
2 cups flour 1/2 tsp. salt
1 lb. ginger 2 to 4 tb. melted butter

Mix sour milk and molasses. Sift dry ingredients. Combine mixtures. Add butter and beat vigorously. Pour into a greased pan and bake twenty-five minutes in a moderate oven.

Fairy Gingerbread.

1/2 cup butter 17-8 cups bread flour
1 cup light brown sugar 1 tsp. ginger
1/4 cup milk

Cream the butter, add sugar gradually and milk very slowly. Mix and sift the flour and ginger. Combine mix-

tures and mix with a knife until smooth. Spread very thinly on a buttered inverted pan or on a baking sheet. Bake in a moderate oven. Cut in squares before removing from pan.

Mixtures containing a large amount of molasses or sugar burn very easily and should be baked in a moderate oven.

DO YOU KNOW

That puddings must be cooked at a low temperature to avoid wheying and that undesirable "livery" appearance?

That pudding is best cooked in a container placed in hot water deep enough to come almost to the top?

Designs Easy to Make



DECIDEDLY youthful is Design No. 600. Cut in sizes 16 years, 36, 38, 40 and 42 inches bust measure. Size 36 requires 2 3/8 yards of 40-inch material, with 3/8 yard of 36-inch contrasting and 2 1/4 yards of ribbon.

Diagonal lines is the feature of Design No. 709. Cut in sizes 16, 18 years, 36, 38, 40, 42 and 44 inches bust measure. Size 36 requires 2 5/8 yards of 40-inch material, with 5/8 yard of 40-inch contrasting.

Sport dresses are very important this spring, and Design No. 711 is especially attractive. Cut in 16 and 18 years, 36, 38, 40, 42 and 44 inches bust measure. Size 36 requires 3 3/8 yards of 40-inch material.

Design No. 726 is a child's frock especially easy to make. It cuts in sizes 6, 8, 10, 12, 14 and 16 years. Size 8 requires 1 3/4 yards of 40-inch material.

Combination undergarment No. 471 allows freedom of motion without drawing. It cuts in sizes 16 years, 36, 38, 40, 42 and 44 inches bust measure. Size 36 requires 2 1/4 yards of 36-inch material.

Smartly different is frock No. 483. It cuts in sizes 6, 8, 10, 12 and 14 years. Size 8 requires 2 yards of 36-inch material with 1/4 yard contrasting.

The price of each of these patterns is 13 cents. If you enclose an extra 13 cents with your order, a spring and summer fashion catalog will be sent to you. Address all orders to the pattern Department, Michigan Farmer, Detroit, Michigan.



Use this department to help solve your household problems. Address your letters to Martha Cole, Michigan Farmer, Detroit, Mich.

TO REMOVE RUST.

Could you please tell me how to remove rust from my kitchen range? It was stored in a damp place all winter and looks very bad.—Mrs. O. D. L.

First rub the rust spots with kerosene and let stand for twenty-four hours. Then rub the spots with steel wool. This process may need to be repeated if the rust spots are very deep. When the spots are removed, go over the stove with a good stove polish.

TO PRESERVE EGGS.

We are getting more eggs now than ever before, and I would like to preserve them. Please tell me how to do it.—Mrs. C. L.

Of all the methods of preserving eggs, the water-glass method gives the

best results. Spring eggs keep better than summer and fall eggs, and only strictly fresh ones should be preserved. To make the water-glass solution for thirty dozen eggs, mix three pints of commercial water-glass with eighteen quarts of boiled water. Pack the clean eggs into clean earthenware jars, and pour the water-glass solution over them. There should be at least two inches of the solution above the top of the eggs. Cover the jars to prevent evaporation, and keep in a cool place. The eggs should be washed before using, and the solution should not be used the second year.

CAN YOU HELP?

Could someone tell me the best solution to use when washing varnished tile wall paper on kitchen walls?—Mrs. D. J. D.

Would some readers who have had experience with washing this kind of wallpaper, please write a letter to this department?—M. C.

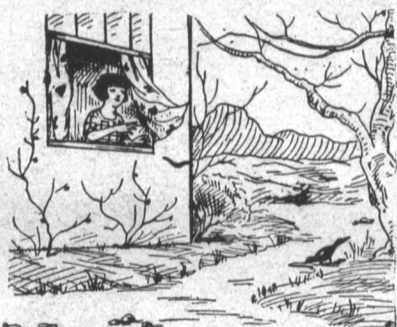


Twenty Tales from Timberland

Jean Helps the Bluebirds Build Their Nest—No. 12

JEAN was a little girl just five years old, but she really helped Betty Bluebird and Johnny Bluejay build their nest. The queer thing about it was, that Jean did not know she was helping them.

It happened this way. One warm day in early spring Jean sat by an open window. She was making a new dress for her doll, Sue. She snipped here and she snipped there with her scissors into the piece of blue gingham



"That's a Joke on You, Mr. South Wind," Laughed Jean.

that her mother had given to her. "There, there," sighed Jean, "at last Sue's dress is done. But I must gather up my scraps or mother will scold."

Right then South Wind blew by. "Puff, puff," he said, and carried two of Jean's blue gingham scraps out of the window.

"Ha, ha!" laughed Jean. "That's a joke on you, Mr. South Wind, for I did not want them anyway."

"Ha, ha!" laughed South Wind, "but I know who does!" South Wind was so far away though, that Jean did not hear him.

"I hear South Wind laughing," said Betty Bluebird, as she flew that way. "I think he has something for us." Betty Bluebird looked around.

"Oh, here it is," called Betty to Johnny Bluejay, as she spied the piece of blue gingham.

"I've found one, too," chirped Johnny Bluejay, and he came hopping to his mate with the other scrap of blue gingham in his bill.

"They'll make fine lining for our

new nest," said Betty Bluebird, and both flew up in the cherry tree near by and were soon weaving the scraps of blue gingham among the grasses they had collected to make their nest.

The next afternoon, when Jean was playing hide-and-go-seek with Jip, her dog, she caught her hair in the hedge as she was trying to find a safe hiding place.

"Ouchie, ou," she cried, and she skipped on through the hedge, leaving a lock of her brown hair dangling at the end of a branch. Soon Betty Bluebird came flying by, and spied it.

"Chirp, cheep, chee, that is just the soft lining for my nest that I have been looking for," sang Betty Bluebird, and she grasped Jean's lock of hair in her bill and flew off to her nest.

And so in two ways, Jean had helped Betty Bluebird and Johnny Bluejay build their nest. Did you ever help the birds build their nest?

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Michigan Hatchery Customer CLEARS \$635.00 Above All Expenses On 200 Pullets

Another reports \$618.00 profit on 200 Pullets

And they were not Poultry Specialists, merely farm raisers. For Better Producing Baby Chicks, order our heavy-laying superior strain Barron and Tancered Strain S. C. White Leghorns; Sheppard's Anconas, and Holterman and Parks Strain Barred Plymouth Rocks.

All Michigan Accredited. Priced as Low as NINE CENTS each. Write us quick for immediate deliveries or later shipments. \$1.00 Down Books Your Order. Balance C. O. D. We Guarantee 100% Live Delivery.

Now is the time to place your order for 8 to 12 weeks' old pullets for May and later.

Michigan Poultry Farm, Box 2, Holland, Mich.



Leghorns that Pay

\$375.00 net profit in one month

That is what Guy Burgis of Fair Grove, Mich., made last January with 832 pullets raised from 2000 Superior chicks bought last June. Write today for our latest low prices and get started with the right stock. Stock of this quality is cheap even at prices much higher than we are asking.

A BIG BREEDING PLANT

Right on our own breeding plant, the largest of any hatchery in Ottawa County, is where we blend our Tancered and Barron strains to produce those big bodied, profitable birds that are so characteristic of Superior stock. 600 pullets are entered this year in official R. O. P. We are individually pedigreeing thousands of chicks. Write for complete information.

EVERY CHICK MICHIGAN ACCREDITED

In addition to the beneficial results of a big breeding plant, scientific incubation, proper shipping and expert management, you have that official added assurance of the quality of our stock by the fact that our chicks are accredited. Every individual breeder has been approved by trained poultry specialist under supervision of the Mich. State College. Provide yourself with the best. Write for latest special prices.

SUPERIOR POULTRY FARMS, Inc., Box 359 ZEELAND, MICH.

Buy Only MICHIGAN ACCREDITED Baby Chicks



OVER 8,000,000 IN 1927

Michigan Accreditation provides Competent Inspection of all flocks, hatcheries and chicks for 117 member hatcheries of the Michigan Poultry Improvement Association, furnishing Michigan Accredited or Certified Chicks and Eggs of known high quality. All inspection under supervision of Michigan State College.

Accredited Chicks are from Inspected flocks, hatched in Inspected Hatcheries and carefully culled before shipment.

Certified Chicks are from Inspected Flocks, sired by 200 egg males, hatched in an Inspected Hatchery and carefully culled before shipment.

For Full Particulars and a list of Michigan Accredited Hatcheries Write—

J. A. HANNAH
Michigan State College, East Lansing, Mich.

Town Line POULTRY FARM

Michigan Accredited 96 UNCULLED PULLETS LAY 7,611 EGGS FROM SEPT. 1, 1926, to JAN. 1, 1927. This is an average of 21 eggs per pullet per month. YOU can do the same with our stock, which is the result of 14 years of breeding for SIZE, TYPE, WINTER EGGS and HIGH FLOCK AVERAGE, instead of a few high individuals. We have HOLLYWOOD, TANCRED, and ENGLISH type S. C. White Leghorns, SHEPPARD'S Anconas, Brown Leghorns and Barred Rocks. Hollywood foundation stock from 260-290 egg record; Tancred foundation stock from 250 up egg record stock. Ancona foundation direct from Sheppard. The very best in Brown Leghorns and Barred Rocks. Our chicks are HEALTHY, VIGOROUS, Newtown hatched chicks from free range breeders. The strongest proof of the quality of our chicks is, that we have doubled our hatching capacity over last year. With "TOWNLINER" you also get "PERSONAL SERVICE. LARGE NEW CATALOG FREE. NOTE THESE LOW PRICES.

English type S. C. W.....	100 \$13.00	500 \$60.00	Anconas and Br. Leg.....	100 \$13.00	500 \$60.00
Hollywood or Tancred	15.00	70.00	Barred Rocks	16.00	75.00

Chicks shipped postpaid. 100% live delivery guaranteed. Discount on early orders.

J. H. GEERLINGS, Mgr. R. F. D. No. 1, Box M. ZEELAND, MICH.

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.

LEGHORNS Get Our Illustrated Literature **BARRED ROCKS**

We have prepared a big, illustrated circular which tells all about our chicks. It is worth your while to get it if you expect to buy chicks this year.

PRICES: Our prices are reasonable. Our chicks are good. Write today.

WASHTENAW HATCHERY, 2501 Geddes Road, ANN ARBOR, MICH.

"DEPENDABILITY"

THROUGH THE YEARS we have earned the name of producing **DEPENDABLE CHICKS**. The development of first-class stock has been rewarded by the confidence and satisfaction of our customers. **MICHIGAN "ACCREDITED" CHICKS**. Purebred Bloodtested parent stock. Two leading breeds S. C. White Leghorns and Barred Plymouth Rocks. Write for catalog.

RICHARDSON HATCHERY, Dundee, Mich., Box B

LAKEVIEW POULTRY FARMS

Buy Michigan Accredited Chicks from Lakeview. Official records up to 252 eggs. Mich. Egg Contest 1923, 24, 25. Every Breeder inspected and passed by inspectors supervised by Mich. State College. Smith hatched.

Prepaid Prices on..... 25 50 100 500 1000

White Leghorns (Tancred)..... \$3.75 \$7.00 \$13.00 \$62.00 \$120.00

Barred Rocks, S. C. & R. C. R. I. Reds..... 4.25 8.00 15.00 72.00 140.00

Special matings higher. Mixed chicks \$10.00 per 100. All heavies \$12.00.

Order from ad. New catalog free. Write today. Member I. B. C. A.

LAKEVIEW POULTRY FARM, R. R. 6, Box 6, HOLLAND, MICH.

DUNDEE ACCREDITED CHICKS

Every breeder approved by State Inspectors under supervision of Michigan State College. Blood tested for White Diarrhea for the past three years. Three leading breeds, B. P. Rocks, R. I. Reds and English and American Leghorns. 100% live delivery. Write for free catalog and price list.

THE DUNDEE HATCHERY
Box A DUNDEE, MICHIGAN

HOLLAND HATCHERY

It will pay you to investigate one of Michigan's oldest and best hatcheries. Nineteen years' experience. Every chick hatched from rugged, free range breeders officially accredited by inspectors supervised by Mich. State College. Large percentage of business to satisfied old customers. White Leghorns (English and American), Barred Rocks, Anconas. Your Mich. Accredited Chicks bought of this old reliable concern with an established reputation for square dealing are sure to please. 100% live delivery, prepaid. Get our new FREE catalog before placing your order.

VAN APPELDORN BROS., HOLLAND HATCHERY & POULTRY FARM, R. 7-C, HOLLAND, MICH.

PROFIT PRODUCING CHICKS

ROCKS LEGHORNS R. I. REDS

MICHIGAN ACCREDITED CHICKS that are bred from proven blood lines. Every breeder wears a sealed leg band indicating official approval by authorized state inspectors. **PAY \$1.00 DOWN—BALANCE C. O. D.**

Pay for your chicks when you get them. Send \$1.00 and we will ship C. O. D. Get our big new catalog. It is free. It will help you. Choice of three profitable breeds. 100% live delivery guaranteed. First hatch Jan. 31st.

BRUMMER-FREDRICKSON POULTRY FARM, BOX 20, HOLLAND, MICH

Michigan Accredited CHICKS

Blood Tested for the Past Three Years
Barred Rocks, R. I. Reds, White Leghorns, 100 per cent live delivery. Holterman Strain Barred Rocks. Trapnested hatching eggs.

Krueper Poultry Farm & Hatchery, R. No. 3, Milan, Michigan

MICHIGAN ACCREDITED CLASS A CHICKS
from well developed, strong, healthy layers. S. C. Eng. White and Brown Leghorns, Sheppard's Anconas, R. I. Reds and Assorted Chicks. No money down. Pay a week before chicks are shipped. 100% live delivery. Postpaid. Catalogue free. **THE BOS HATCHERY, R. 2-M, ZEELAND, MICH.**

WOLVERINE S. C. WHITE LEGHORN BABY CHICKS

BLOOD SAFE ARRIVAL WILL GUARANTEED TELL

Your next winter's egg production depends on the quality of the Chicks you order NOW!

Our 1927 Free Catalog tells how. Write for a copy.

WOLVERINE HATCHERY & FARMS
H. P. Wiersma, Owner and Breeder
Dept. 4, Zeeland, Mich.

POULTRY

SMALL EGGS PRODUCE SMALL CHICKS.

A RECENT experiment at Michigan State College Poultry Department tends to prove that a normal size chick cannot be hatched from a small, undersize egg. This experiment was conducted to determine the difference in weight between day-old chicks hatched from normal to large size eggs, and chicks hatched from small, undersize eggs.

An even hundred small eggs weighing from one and one-half to one and three-fourths ounces each, were placed in the same incubator with an even hundred eggs weighing from two to two and one-fourth ounces each. Each set of eggs received exactly the same treatment throughout the entire hatching period. They received the same amount of moisture, were kept at the same temperature, and were turned at the same time. The tests for fertility showed twenty-two of the normal size eggs were infertile, while twenty-four of the small eggs were discarded for the same reason. The difference in fertility was negligible, and is of little value, in that fertility is not determined by the size of the egg.

When the hatch was completed there were fifty-one chicks from the normal size eggs, and forty-eight from the small eggs. This part of the experiment where the large eggs hatched three more chicks than the small ones, is of little consequence, because over a series of experiments the number of chicks hatched from large and small eggs would probably be about the same.

When the chicks were weighed at the completion of the hatch, those from the large eggs weighed 1.48 ounces each, while the chicks from the small eggs weighed 1.06 ounces each. This was a difference of .42 ounces per chick, or nearly half an ounce difference. In fact, the chicks from the normal size eggs weighed approximately forty per cent more than the small ones.

and a breeding pen of the best birds were picked out and mated with the best male that could be found. Selection was made for color and production. From this choice mating seventy-seven pullets were raised. From these seventy-seven, ten birds were put in the International Egg Laying Contest, and finished fourth with an average of 180.4 eggs per bird, with three of the hens making 200 eggs or better.

In the fall of 1925, the owner had 140 pullets after they had been culled carefully, and another breeding pen was picked and mated with a good male. It was the practice of the owner to use only the eggs from the small breeding pen for his own flock. In this way it gave about ten birds from which to pick one for the breeding pen. Also, out of this 140 birds another pen of ten hens was selected for the International Contest. The ten birds had laid an average of 178.8 eggs, with two birds having gone wrong. Eight birds averaged 202 eggs each.

In the fall of 1926, the owner had selected 110 pullets again from twice that number and now has a beautiful flock which has been producing very well all winter. Another pen was selected for the contest last fall. This pen is now holding second place and all the birds, with the exception of one, are making good records.

This strain of Sanilac county Rhode Island Reds has all come from this one particular strain, until now several flocks have both color and production and extra ordinary vitality. It is also stated by authorities who know, that this strain of Reds is about the best that can be found for both color and production.

A PROFITABLE FLOCK.

WILLIAM J. LINTELMANN, a Gogebic county poultryman residing at Bessemer, Michigan, is the owner of a high-producing flock of Leghorn pullets. During the month of December, this flock of 290 birds produced 8,150 eggs, or an average of 28.1 eggs per bird. On the first of December they produced 239 eggs; on the twenty-third of December, 282 eggs, and on December 31, 269 eggs. At no time did they produce less than 239 eggs daily.

Below is a list of the feeds consumed by the flock, and the prices paid for the same, from which it will be evident that even though the cost of feed was high, the flock showed a handsome return for the month:

Mash, 1,400 lbs.....	\$ 49.00
Scratch feed, 1,400 lbs.....	42.00
Straw, 1,090 lbs.....	9.81
Grit, 50 lbs.....	1.25
Oyster shell, 300 lbs.....	3.75
Charcoal, 100 lbs.....	2.50
S. S. with oil, 68 lbs.....	3.40
Cabbage, 415 lbs.....	8.30

Total \$120.01

Owing to the fire which destroyed Mr. Lintelmann's hen laying house last fall, the birds are being kept in rather crowded quarters. Electric lights are being used early morning and late evenings. The birds are maintaining their weight, look sprightly and active, and do not seem at all lacking in vitality despite their unusual steady production.—C. E. Gunderson.

BROODING BABY CHICKS.

POULTRY flocks to remain profitable must be reproduced economically. More than 175,000 farmers in Michigan raise some baby chicks annually. Thousands of these farms lose millions of dollars, and more thousands lose millions of dollars in baby chicks that are poorly grown, and lack the ability to convert foodstuffs into mar-

THE selection of this strain started in the spring of 1923, when one of the demonstration farms was started in cooperation with John D. Martin, county agricultural agent, and the Michigan State College. This farmer purchased five females from a man who had been trap-nesting, and one male from the college. From this mating, sixty-six pullets were raised, and that fall were carefully culled, and mated to some college males.

In the spring of 1924 this flock of sixty-six pullets was made a demonstration flock, and was carefully culled

Free Test



Avicol For White Diarrhea

In few hours, disease is stopped and sick chicks full of pep.

It's easy to stop chicks dying from white diarrhea. All you need do is drop an Avicol tablet in the drinking water. Thousands of poultry raisers, year after year, raise nearly every chick by this simple precaution. Mrs. E. E. Franks, Ramsdell, Tex., writes: "I was losing 10 to 15 chicks a day before I received the Avicol. I haven't lost one since."

A free test of Avicol will show how easily white diarrhea is prevented and stopped. The way it makes sick chicks lively and healthy, in just a few hours, is positively amazing. If you have never tried Avicol, write for a free sample, or send 50c for a full-sized package to **Burrell-Dugger Co., 842 Postal Station Bldg., Indianapolis, Ind.** It costs nothing to try the 50c package, because Avicol is guaranteed to do the work or money refunded. But if you prefer, try the free sample first.

BOWERS Colony Brooder

Save \$5 to \$8—Lowest Prices

Get a SAFE brooder that raises more chicks and healthier chicks. Stoves air-tight, self-regulating. Best in the world to hold fire—14 to 24 hours on one filling. Burns SOFT coal better than any other brooder. Also hard coal, wood, etc. Automatic regulator holds uniform heat night and day. Canopy spreads heat evenly, keeps chicks cozy, gives pure air. Backed by 10 years' success. Guaranteed.



Write for express E. of Rockies. Flue-pipe outfit sent FREE with brooder. 500 and 1000-chick sizes. Write **F. M. Bowers & Sons, 1423 W. Wash. St., Indianapolis, Ind.**

C-H-I-C-K-S

S. C. W. ENGLISH LEGHORNS, \$11 per 100, discount on orders of 500 or more. 100% live delivery guaranteed. **HENRY WATERWAY, R. No. 4, Holland, Mich.**

BIG ALMANAC 10¢
WORTH \$3. CONTENTS—BEST FISHING-DAYS, BEST BAIT, HOW TO PLANT BY THE MOON, WEATHER FORECAST, HOW TO MAKE MEDICINE FROM ROOTS AND HERBS. **HERBALIST P.O. BOX 5 HAMMOND, IND. 1927**

Lessmann Loaders at Reduced Prices

Easily keeps 6 to 8 spreaders going. Clean your neighbor's feed lot at 25c per load and make money.



Do county work with either the high or low lift model and pay for the outfit in a few weeks. Write today to Dept. MO.

Lessmann Loader Mfg. Co. BOX 1593 DES MOINES, IA.

A Rose Garden!

The finest hybrid June and Monthly roses, hardy climbers, moss roses, etc. Dependable stock, from our 75-acre rosery, acclimated to northern winters. Many wonderful new varieties, at exceptionally low prices. America's oldest and largest nursery. Established 73 years.

FREE Complete garden and orchard book, shows what, when and how to plant for best results. Send for it today.

Storrs & Harrison Co. BOX No. 219 PAINESVILLE, OHIO

BEE HIVES

Section boxes, Comb foundation, Smokers, etc. A. I. Root Co. goods in Michigan. Beginner's Outfits, or equipment for bees you now have. Send for catalog.

Berry Baskets

Strictly high grade basswood quarts, kept white and clean in heavy cartons of 500 each. Special prices in lots of 10,000 to a carload on early orders. Farm Bureaus, Gleaners, Granges, and groups write us at once. Your combined order wanted.

GRAFTING WAX

either hand or brush wax. Mich. State College formula. Per pound 45c. Five pounds \$2.00. Ten pounds \$3.75. Postage extra. Immediate shipment. **M. H. Hunt & Son, Lansing, Mich., Box 525**

ket eggs and table meat economically. To reproduce a poultry flock economically, or to raise chicks successfully, chicks' quarters, range, and feed must be regarded. Cleanliness is of utmost importance. The baby chicks themselves must be clean, free from inherited diseases, and then must be brooded in clean, properly constructed houses, fed sanely on clean properly balanced feeds, and grown on clean ranges.

Twenty years ago, practically all baby chicks were reared by the natural method; hatched and brooded by the mother hen. Today, practically all farmers are brooding chicks artificially, so here the brooding of chicks by natural or mother hen is not regarded, and deals only with artificial brooding and rearing of chicks in large numbers.

Proper quarters should be provided before the chicks are purchased or hatched. A portable colony house should be provided. If a new colony house is to be constructed, plans and bills of material for the Michigan type portable colony house can be secured from Michigan State College Poultry Department.

It is important that the building used for the brooding of chicks be portable and it should be moved not less than once a year, and preferably several times during the growing season. The germs or organisms carrying bacillary white diarrhea and coccidiosis and the eggs of the intestinal worms may remain in the soil from season to season, and it is therefore, mandatory that the chicks be reared on ground where chicks have not been raised for three years previous. So far as we know, chicks should not be brooded on the same ground more often than once in any four-year period.

With a portable colony house, moved to clean ground, we are ready to start our preparation for the season's chicks. If the house has been used in previous years, it should first be thoroughly disinfected, with some good disinfectant, and the disinfectant should be used only after a thorough cleaning. The ceiling, wall, and floor should be swept carefully. The walls and floor should be scrubbed thoroughly with soap and water, and then the entire building flooded with disinfectant. Any good coal tar disinfectant may be used, or chlorinated lime solution, iodine suspensoid Merck, or any other accepted disinfectant.—J. A. Hannah.

RURAL HEALTH

By Dr. C. H. Lerrigo

NERVOUS DISORDER.

I have a queer feeling in my flesh in different spots all over my body, sort of bubbling, trickling, gurgling feeling, which lasts only a second perhaps longer by spells, and no pain. I have had it for the last six months. Sometimes it is a twitching feeling and my upper lip twitches. I am thirty-six years old.—W. F.

Naturally one thinks of some nervous trouble in connection with symptoms, but that is too vague to be a satisfactory diagnosis. I can only tell you that these symptoms are important enough to lead you to go to a physician for examination. Be sure that it includes a careful test of blood pressure, as well as a test of the nerve reflexes.

OPERATION FOR APPENDICITIS.

My doctor operated on me for appendicitis, but I don't feel so much better. Now he wants to open it again. What do you say?—J. F.

Your doctor should tell you what he expects to gain by re-opening wound. Your description is too vague to give me much idea of the trouble, but if the appendix is safely removed I fail to see what is to be gained by a second incision.

PAN-A-CE-A

Prevents and relieves little-chick ailments

GIVE chicks no feed until their systems are strong enough to receive it. Nature provides nourishment for the first 48 hours. Then raise them the Pan-a-ce-a way.

Pan-a-ce-a prevents indigestion and indigestion leads to bowel troubles which cause more chick losses than all other causes combined.

Pan-a-ce-a keeps the system free from poisonous waste materials, which are often the cause of fatal maladies. No indigestion, no bowel troubles, no gapes, no leg weakness where Pan-a-ce-a is fed regularly.

Pan-a-ce-a is a valuable nerve tonic which brings into healthy action every little-chick organ. It whets the appetite and enables chicks to get the good of their feed.

Pan-a-ce-a contains the best blood builders known. It supplies the important minerals so necessary to bone development, muscle making and feather formation. A Pan-a-ce-a chick outfeathers a non-Pan-a-ce-a chick every time.

Pan-a-ce-a your half-grown fowls

If you want early broilers, if you want pullets that will mature into fall and winter layers, you must prevent the backsets in your flock. Pan-a-ce-a is your insurance policy. Add it to the ration daily—one pound to every fifty pounds of mash or feed. Costs little to use. The price of one two-pound broiler will pay for all the Pan-a-ce-a 200 chicks will require for 60 days.

If Pan-a-ce-a does not do all we say, and if it does not make you a real profit, take the empty container back to the dealer and he will refund your money.

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

THEY BEAR INSPECTION
Reliable Poultry Farm



RELIABLE EGG-BRED BABY CHICKS

Bred 30 Years for Egg Production

Our long experience in breeding and raising pure-bred chicks paves the way for you to bigger profits from your flocks. Customers everywhere endorse our stock. We specialize in producing stock for Commercial Egg Farms. Pay Only ONE CENT Per Chick With Order. Tom Barron Strain S. C. White Leghorns, 270-300 Egg Foundation; 300 Egg Strain Anconas; all large combs. Heavy winter layers. Also Ever-

PULLETS
Right Now is the time to order your 8-12 weeks' Pullets for May and later deliveries. Write for Prices.

large, long bodied birds with green Strain Rose Comb White Wyandottes.	Per 50	100	500
S. C. English White Leghorns, Selected	\$6.50	\$12.50	\$60.00
S. C. Sheppard Anconas, Selected	6.50	12.50	60.00
Rose Comb White Wyandottes	9.50	18.00	85.00
Broiler or Mixed Chicks	4.75	9.00	40.00

Write for prices on other quantities, also for prices on our Extra Selected Matings. We Guarantee 100% Live Delivery on all Chicks. Shipped post-paid. Reference, Zeeland State Bank.
RELIABLE POULTRY FARM & HATCHERY, R. 1, Box 42, Zeeland, Mich.

Dead or Alive?

It's up to you, Mr. Poultryman



Chick losses are due to wrong feeding and lack of proper care at the start. Stop the losses—save the baby chicks by feeding Blatchford's Chick Mash. Contains exactly the ingredients chicks need to keep them healthy and make them grow big quicker. Easy to feed and most economical.



125 years experience in preparing feeds and the Blatchford reputation is your guarantee of highest quality and maximum efficiency. Recommended and used by leading poultrymen everywhere. Means better results and more profit to you. Try a bag and see the chicks and money you save.

Send for FREE Sample

Just a bit but enough to show quality. Send coupon. Also if interested in MORE EGGS AT LOWEST COST PER EGG send for FREE SAMPLE and complete information about the old reliable

Blatchford's "FILL THE BASKET" Egg Mash
Blatchford Calf Meal Co., Dept. 4703 Wanuegan, Ill.

Blatchford's Chick Mash

Blatchford Calf Meal Co. Dept. 4703 Wanuegan, Ill.

Send me free sample of:
Chick Mash Egg Mash

and valuable poultry information.
Name _____
Address _____



DILIGENT CHICKS DID IT

and will do it for you

High in quality, low in price. "I have always liked your chicks the best," one customer writes. Do not pay fancy prices for chicks that are not better. Twelve years of honest dealing behind us. Pulletts after May 1st.

Postpaid prices on	25	50	100	500
Single Comb White Leghorn, English Strain	\$3.25	\$6.25	\$12	\$57.50
Barred Plymouth Rocks, Park Strain	4.00	7.75	15	72.50
S. C. Rhode Island Reds	4.00	7.75	15	72.50
Mixed Chicks	2.50	4.75	9	42.50

Diligent Hatchery & Poultry Farm, Harm J. Knoll
R. R. No. 11, HOLLAND, MICHIGAN.

Babion's Pure Bred Chicks

Also BLOOD TESTED CHICKS from highest producing strains in all leading varieties. 100% Live Delivery Guaranteed. 35 VARIETIES.

Prepaid Prices on	25	50	100	500
S. C. White, Brown & Buff Leghorns	\$3.75	\$7.00	\$13.00	\$62.00
Barred & Wh. Rocks, R. I. Reds	4.25	8.00	15.00	72.00
Wh. Wyandots & Buff Rocks	4.50	8.75	17.00	82.00
Mixed all Heavies	3.75	7.00	13.00	62.00

Send for large Price List, including Ducklings. Please remember, Quality goes ahead of Price. Consider this when you place your order. No C. O. D. orders shipped. 10% will book your order, balance 2 weeks before chicks are delivered. BANK REFERENCES. You cannot go wrong in ordering from this ad direct. CHICKS Hatched from TRAPNESTED LAYERS, 3c per Chick higher than above prices. CHICKS Hatched from BLUE RIBBON PENS, all BLOOD TESTED, 8c per Chick higher. Write at once today. BABION'S FRUIT AND POULTRY FARMS, Look Box 354-A, FLINT, MICHIGAN.

Buy Insured Baby Chicks

Insurance Covering Brooding for 30 Days

Eight Pure Breeds for building up farm flocks. Barred and White Rocks; Reds, Wyandottes; Minorcas; Anconas; White Leghorns—separate breeding—from both Tanager and Hollywood foundation stock; 100% live delivery postpaid. Hatching eggs; also Duck, Geese, and Turkey eggs. Send for new catalog, insurance plan, and Credit Certificate plan. Everything explained. Cod Liver Oil \$1.75 a gallon postpaid.

STATE FARMS ASSOCIATION
Masonic Temple KALAMAZOO, MICHIGAN

WOLF SELECTED CHICKS

Baby chicks of highest quality. Special Pen Mated Stock and Extra High Bred Stock at slightly higher prices, if you prefer. Fine healthy pure bred utility chicks at following prices. Catalog free.

Prices postpaid, (100% live del. guaranteed).	25	50	100	500	1000
S. C. Wh., Br. & Buff Leghorns; Anconas	\$3.75	\$7.25	\$13	\$62	\$120
Wh. & Bd. Rocks; S. C. & R. C. R. I. Reds;					
Bl. Minorcas	4.00	7.75	15	72	140
Wh. Wyandottes; S. C. Buff Orpingtons	4.25	8.25	16	75	145
Jersey Black Giants	7.00	13.00	25	115	
Mixed Chicks (Heavies)	5.50	6.50	12	60	120
Mixed Chicks (Lights and Heavies)	3.25	6.00	11	55	110
Mixed Chicks (Light)	3.00	5.50	10	50	100

WOLF HATCHING & BREEDING CO. BOX 42, GIBSONBURG, OHIO.

Our Pure Blood

Selected Chicks, 9c up. Can Ship at Once. 15 Varieties, Rush Orders.

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

CHIX LAWRENCE HATCHERY, Phone 76761, Grand Rapids, Mich.

HIGHLAND LEGHORNS

Order your Leghorn Chicks now right from this ad. Highland Leghorns are Production Leghorns. Can furnish Tanager, Hollywood and Barron Strains. Satisfaction indicated by large percentage of customers that come back each year.

UNUSUAL VALUES—GET OUR LATEST PRICES.

Our big free catalog is ready. Write for it today. Describes our stock and special matings at higher prices. 100% prepaid live arrival guaranteed. HIGHLAND POULTRY FARM, Box C, HOLLAND, MICH.

Pure-Bred BABY CHICKS

S. C. White and Brown Leghorns. Bred for high average egg production. In all our breeding we have based our efforts on the development of vigorous, healthy chicks that will Live and Lay and Produce Profits. 1927 CATALOG TELLS ALL.

Send for your copy and learn how you, too, can profit with these better chicks.

Borst & Roek Hatchery Dept. 2 Zeeland, Mich.

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

15 pure bred varieties of Barred, Buff, White Rocks, Single Rose Comb Reds, White, Brown, Buff Leghorns, Shepperd's Best Anconas, White Silver Wyandottes, Buff Orpingtons, Black Minorcas, Mixed Chicks 9c up. Some won 1st and 2nd prizes in production class. Won many 1st prize blue ribbons in large poultry show. Also have one flock of Morgan-Tanager Strain, blood tested White Leghorns of 250 to 312 egg breeding. Owner paid \$150 for 6 eggs to improve our flocks. Every breeder culled and selected for heavy production. Get free circular. Big discounts on baby chicks and brooders.

BECKMAN HATCHERY, GRAND RAPIDS, MICHIGAN

ROYAL EGG BRED LEGHORNS

CHICKS FROM CONTEST WINNING BLOOD LINES.

Our White Leghorns won the 1925 Michigan Egg Contest. Contest average 176 eggs. Our pen averaged 241 eggs. You get same blood lines as produced these winners in Royal Chicks.

303 EGGS AT AMERICAN EGG CONTEST.

This year our hen No. 251 laid 303 eggs at the American Egg Contest. Is it any wonder "75% of our business is from old customers?" In spite of heavy demand as a result of these winnings, our price remains the same. Order early and be sure. Money refunded if order can't be filled when specified. Free literature.

ROYAL HATCHERY & FARM, S. P. Wiersma, Prop., R. 2, Box M, Zeeland, Mich.

Worth While Chicks

S. C. Buff Leghorns our specialty, also hatch White Leghorns, Reds and Rocks. Send for Catalog of Walhalla Wonderful Worth While Chicks, now. Don't delay.

Walhalla Poultry Farm
Noblesville, Ind., Box 50

Better Chicks

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

Cert-O-Culd

Quality comes first. They'll live, grow and pay. Smith-hatched, healthy, vigorous and full of life. Order early. Shipped when wanted. Postage prepaid. Live delivery guaranteed. Write for circular.

Klager's Hatchery
Box 6
Bridgewater, Mich.

ASSURE BIG C. O. D. CHICK OFFER!

You pay for your chicks when you see them. Pure-bred stock of high quality. Carefully selected breeding birds. Our big illustrated catalog tells all the story. Write for it today.

J. W. Gosage Hatchery, 21 Main St., Ottawa, Ohio



OUR BOYS AND GIRLS

More G. C. Messages

From the Golden Circlers

Friends.

When Uncle Frank asked for contributions from the Golden Circlers, I was at a loss for something to write about. Of course, I wanted to write something that had not been discussed before in the Merry Circle column.

At last I hit upon the subject of "Friends."

Of course, I believe that God is our best and truest friend, but I mean to write about our friends on earth.

I do not consider a speaking acquaintance a friend, neither do I mean the neighbor who calls up when we are sick or in trouble, to ask if there is anything they can do for us. To be sure, I would appreciate their interest in our plight, but I do not call that "True Friendship."

A true friend would not wait to be called. They would stand by us through thick and thin. They would willingly share our sorrows and joys. Our troubles would be theirs. I think that whoever said, "A friend in need is a friend indeed," must have known what real friendship means. We have few true friends in life.

I can only think of one who would measure up to my ideal friend standard. My mother is my idea of a true and ideal friend.—Nellie Priest.

You have spoken well of friends and you have come to a wise conclusion.

To the Blind.

What kinder hope than just to live
In never ending cheerfulness;
The flower learns thy soft caress;
A friendly smile is what you give,
A love that lasts from day to day,
Though tireless dreams forever play.

You who never saw the light
Nor viewed the colors of the earth,
To you, who can but feel the hearth,
Our lovely days are always night.
Still do you sing and seldom sigh—
I love your bright and friendly eye.

And if we all could be like thee,
If that dark eye could only see,
The world might all the better be—
'T would sing along more merrily.

—W. F.

The blind are only those who will not see, for often those who can not see, see more than we who can.

Au Revoir.

With a bowed down head and an incomprehensible burden on a breaking heart, a girl of eighteen summers will turn her footsteps away from a beloved union and "Our Page." Then no longer will it be "Our," but "Their Page."

But it will never be cast aside. Throughout the years to come, the one great event will remain anew! What is that event? How so miraculous?

One beautiful spring day, the day of the arrival of the M. C. pin and an announcement of being crowned a Golden Circler, was and will be the treasured event.

"Good-bye" is a hard word to say. But without hesitation I must contin-

ue my journey. For the wings of time fly too fast for the remainder of my seventeen years. Without further interruption, I must go, leaving all the success and prosperity available, in memory, to "Our Page," and all its members.—Ida Kaspala.

Please do not leave. You are still a Golden Circler and a Merry Circler, and we hope to hear from you at Home-coming time and during the Golden Circle Reunion each year.

The Harbor.

I dream—
I rest in the arms of rose-tinted clouds that float in a sea of blue. My misty ships have golden sails, tiny, fluttering, thin-veined things. When zephyr breezes softly blow with balsam-scented breaths, these gossamer wings swiftly fill, and off we glide to a far distant magic port.

We sail and sail—

And then, as the sun sinks low in the west, we come to The Harbor. Like a beautiful gem in a jewel case, rare it nestles among the shadowy hills. The sea, in shades of violet and rose, lies calm in the evening hush, and clinging close to its faintly rippled edge are the houses small and white, like tiny, slender lady fingers clasping the amethyst waters, while to the left, against the dark green of the hills rises the snowy spires of the cathedral. Peace and quiet caresses the little town by the sea.

As into The Harbor we glide the glowing sun sinks behind the dark hills, and as Lady Night hovers above us, through the gathering dusk comes the clear tinkling of the chimes. Music, sweet and soothing to a traveler's soul.

Darkness—

As swiftly as it falls, I must leave my little golden ship and embark on another, a dark and sinister boat, that takes me back to the world of reality. So swift we fly! So silently we glide on that dark stream! Back to the things that are real!—Dreams.

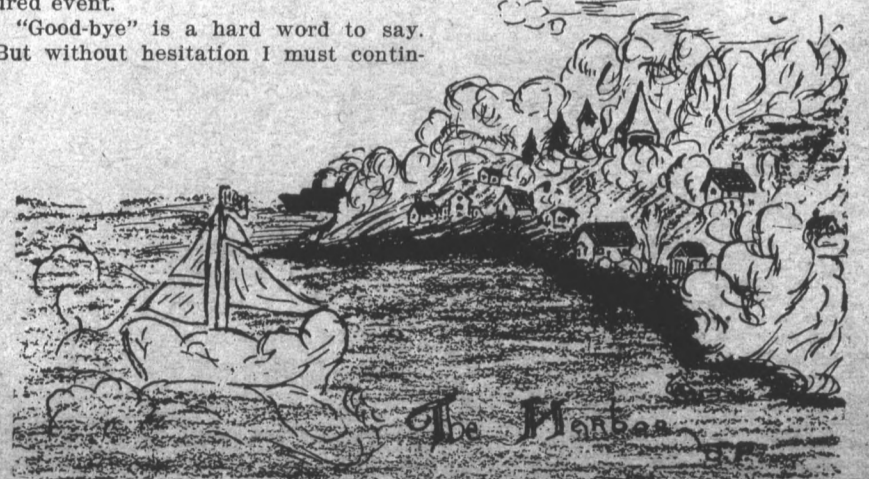
—Just Peggy.

You have a helpful imagination. What a factor in life imagination can be—for failure or success, for suffering or enjoyment.

Music.

I would like to hear some discussion on an ever-popular subject, "Music." I wonder if music has the same power over everyone that it has over me. There is nothing that arouses my emotions as much as music. It has the power to make me happy, sad and thoughtful, reckless and gay, or some religious pieces make me feel very keenly the presence of the almighty power, God.

One of the most beautiful pieces I



"Just Peggy's" Artistic Idea of "The Harbor."

White Diarrhea

Splendid Success of Mrs. Ethel Rhoades in Preventing White Diarrhea

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Rhoades tell it in her own words:

"Dear Sir: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. My first incubator chicks when but a few days old, began to die by the dozens with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally, I sent to the Walker Remedy Co., Dept. 508, Waterloo, Ia., for a \$1.00 box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhoades, Shenandoah, Iowa.

Cause of White Diarrhea

White Diarrhea is caused by microscopic organisms which multiply with great rapidity in the intestines of diseased birds and enormous numbers are discharged with the droppings. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea but it gives the chicks strength and vigor; they develop quicker and feather earlier."

Never Lost One After First Dose

Mrs. C. M. Bradshaw writes: "I used to lose a great many chicks from White Diarrhea, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 508, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail."—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of Walko (or \$1.00 for extra large box)—give it in all drinking water and watch results. You'll find you won't lose one chick where you lost dozens before. It's a positive fact. You run no risk. We guarantee to refund your money promptly if you don't find it the greatest little chick saver you ever used. The Pioneer National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee.

WALKER REMEDY CO., Dept. 508, Waterloo, Iowa.

Send me the [] 50c regular size (or [] \$1 economical large size) package of Walko White Diarrhea Remedy to try at your risk. Send it on your positive guarantee to promptly refund my money if not satisfied in every way. I am enclosing 50c (or \$1.00). (P. O. money order, check or currency acceptable.)

Name.....

Town.....

State..... R. F. D.....

Mark (X) in square indicating size package wanted. Large package contains about two and one-third times as much as small.

ever heard is "Beautiful Isle of Somewhere." No matter how often I hear this piece, it always seems to take me a little closer to the Almighty Father, and to renew my faith in heaven. I think that anyone who cannot play some musical instrument, or does not have a chance to listen to the different kinds of music, is missing something very valuable in life, don't you, Uncle Frank? I once heard a man say that a person's character could be judged very completely by their taste in music. And, to say it in slang, "he said a mouthful, all right."

What a dull, dreary world this would be without music. But then, could there be a living world if there were no music? I think not.—Music Lover.

Music often expresses what words cannot. The world is full of music. What is more pleasant than to listen to the morning and evening symphonies of nature? I feel sorry for the one who cannot find enjoyment in real music.

THE G. C. REUNION.

THIS is the third week that we have devoted our space to, contributions from Golden Circlers. I hope that all of you have enjoyed these messages. I know that I have. There are still on hand several more articles from Golden Circlers which will be used in the Golden Circle corner, one or two each week, until all are used. It would please me to have comments on this reunion idea, and also to have a few words from those G. C.'s who have not taken part in the reunion.—Uncle Frank.

MONEY-MAKING STUNTS.

IT'S spring and many are planning on what they are going to do this summer. Most boys and girls like to make money on the side, and there are many wholesome ways of doing it on the farm. I believe others can gain benefit from the method you used to earn money, so in this contest we will give prizes for the best papers on actual money-making experiences. Five prizes will be given to boys and five to girls. The first two prizes for boys will be dandy fountain pens, and the next three, combination pencil and knife. The first two girls' prizes will be boxes of stationery, and the next three, beads. Don't forget to put your name and address in the upper left-hand corner of your paper, and be sure to put M. C. after your name if you are a Merry Circler. Send your paper to Uncle Frank, Michigan Farmer, Detroit, Michigan, before April 1, as the contest ends then.

JOKE WINNERS.

I KNOW that M. C.'s read jokes because so many sent in replies. And same ones. The boys and girls who, we thought, sent in the best jokes, are

Fountain Pens.

Chester Lattin, R. 1, Holton, Mich.
George Staebler, R. 2, Ann Arbor.

Pocket Knives.

William Harju, Box 137, Paynesville,
Raymond Thomas, R. 3, Three Oaks,
Arthur Sturgis, R. 2, Onaway, Mich.

Stationery.

Lorraine Curtis, Lake Odessa, Mich.
Dagmar Thompson, 1301 South Madison Street, Ludington, Mich.

Beads.

Marella C. Cox, R. 1, Trenton, Mich.
Myrtle Borek, R. 3, Reed City, Mich.
Ruth Johnson, R. 3, Clio, Mich.

BARRED ROCK CHICKS



MICHIGAN ACCREDITED
Pinecroft Barred Rock Chicks will satisfy you. Three hundred pullets now being trapped in Record of Performance work under supervision of M. S. C. We are never satisfied until you are.
Write for our free circular.
PINECROFT POULTRY FARM and HATCHERY.
C. E. Norton, Prop., R-6, Owosso, Michigan.



Blood Tested Baby Chicks

Selected for quality and heavy laying. Three leading breeds, B. P. Rocks, R. 1 Reds and S. C. White Leghorns. 100% live delivery. Write for catalog and price list.
Carleton Hatchery, Carleton, Mich.

WHITE LEGHORN BABY CHICKS



10% OFF

MICHIGAN ACCREDITED

THESE PRICES FOR APRIL DELIVERY

Increased size of our flocks, Higher Egg Fertility, and Larger Hatches have combined to provide us with more chicks for April delivery this year than ever before in our 21 years' breeding experience. The Saving is YOURS.

ALL FROM OUR CONTEST QUALITY LAYING STRAIN

All Michigan Accredited

New, High egg-bred blood lines. 10 hens alone produced 2,393 eggs for us last year in Mich. International Egg Laying Contest in 51 weeks. This strain now mated to 400 new Hollywood Cockerels out of 200 to 268-egg record hens.

PRICES FOR APRIL DELIVERY

	DEDUCT 10% FROM THESE PRICES AND ORDER DIRECT FROM THIS AD.		
	Per 100	500	1000
S. C. White Leghorns, A-Mating.....	\$20.00	\$95.00	\$185.00
S. C. White Leghorns, B-Mating.....	17.00	80.00	155.00
S. C. White Leghorns, C-Mating.....	15.00	70.00	135.00
S. C. Mottled Anconas.....	17.00	80.00	155.00
Odds and Ends (not Accredited).....	11.00	50.00	95.00

Hatching Eggs are 1/2 the price of Chicks.

Deliveries April 5th, 11th, 18th, 25th. MAY Prices on Request.
Send only \$2.00 for each 100 chicks ordered. Balance when notified.

Wyingarden Hatchery & Farms
BOX M ZEELAND, MICH.

SILVER WARD SELECT CHICKS



ACT PROMPTLY if you wish your chicks on any certain date. Delay may be costly. Write at once for our new free catalog that gives the whole story of Silver Ward Chicks.

Michigan Accredited Chicks—Strains of Master Breeders.

All breeders are selected and sealed leg-banded by specialists approved by Mich. State College. The careful breeding of such famous strains as Barron and Tanager Leghorns, Sheppard Anconas, etc., account for the superiority of Silver Ward stock.
Get our NEW, BIG FREE BOOK. It's free and it will help you. Write today for latest prices.

SILVER WARD HATCHERY
Box 29, Zeeland, Mich.



Caball & Jackson Farms, Inc.

Breeders of Nationally Known

Barred Rocks and White Leghorns

Our National Contest Records

Won 1st Production Cockerel, Philadelphia Sesquicentennial, World's Largest Poultry Show ever held. Same bird has won FIVE FIRSTS this year in OTHER SHOWS.
Won 1st Hen, Missouri International Contest, record 293 eggs, highest over all breeds.

OUR BIRDS WIN IN PRODUCTION CLASS

We have won 10 Silver Cups this year and are Always Among Laying Contest Leaders. Can Any Breeder equal these records?

SOME FACTS EVERY POULTRY RAISER OUGHT TO KNOW

That we use only males in both Rocks and Leghorn Matings from hens with records of over 200 eggs. That each year we are forced to turn down orders, and the reason is—Satisfied Customers.

Yet Our Prices are LOW on Chicks, Eggs and Stock. Write at once for Price List and Free Literature.

Caball & Jackson Farms and Hatcheries, Inc.
Box M, Hudsonville, Michigan

KARSTEN'S QUALITY

DON'T BUY YOUR BABY CHICKS BLINDFOLDED

Your Source of Supply is Dependent Upon the Quality of the breeding stock.

Karsten's Known High Quality Chicks

Are from thoroughly culled matings. Long, deep-bodied, wedge-shaped birds, with wide backs and large lopped combs, are used in our matings. To these birds are mated our

MATURED MALES

Sons of the champions of the Michigan 1924-25 International Egg Laying Contest. Your profits are assured by large egg production and longer laying life, with chicks from those known producers.

Our 1927 FREE Catalog describes our matings in full. Send for your Copy Today.

Karsten's Farm Box 104 Zeeland, Mich.

EARLY MATURING CHICKS Of Improved Breeding and Quality

Michigan Accredited and blood tested for White Diarrhea for past three years. When better stock is obtainable we will produce it for our customers. We have B. P. Rocks, R. 1 Reds, S. C. W. Leghorns, W. P. Rocks and W. W. 100% live delivery. Write for circular and price list.

MILAN HATCHERY, Box 4, Milan, Michigan

BABY CHICKS YOU CAN DEPEND ON

Our twenty-third year, 96,000 capacity. 80% of our chicks are already sold for the season, showing we have satisfied customers and they come back year after year.
S. C. W. Leghorns.....\$13.00 \$60.00 \$115.00
S. C. Mottled Anconas.....\$13.00 \$60.00 \$115.00
S. C. Black Minorcas.....15.00 65.00 125.00
Left-over Odds and Ends..... 9.00 40.00
After May 15th, 2c per chick less on all varieties.
PINE BAY FARM, R. 4, HOLLAND, MICHIGAN.

PURE BRED CHICKS

FROM HIGH EGG RECORD FLOCKS. All leading varieties, America, Cert-O-Culd. 21 years' reliability. Large and small poultry raisers buy our strong healthy baby chicks which are easy to raise. Write today for free catalog and price list. Quick delivery and lowest prices, sent prepaid. 100% live delivery guaranteed.

LANTZ HATCHERY, Box J, Tiffin, O.

THE HOUSE OF Ryde & Co.

GUARANTEES entire satisfaction with every bag of feed bearing the name "RYDE." Exhaustive tests have proven that better ingredients or better combinations of materials cannot be had at any price. Therefore, insist that your dealer give you RYDE'S FEEDS. Be sure the name is on the bag. Don't accept a substitute. Years of fair dealing and guaranteed satisfaction are typified in the slogan

RYDE'S FOR RESULTS



Ryde's "Startrite" Chick Food

With Buttermilk, will raise every normal chick to maturity. It is a safe, natural food and contains every element necessary to rapid, uniform growth. Includes choicest GRANULAR grains, hulled oats, selected whole seeds with natural oil retained, fresh meat scraps and a liberal portion of dried buttermilk. Easy to feed. Economical; one lb. will raise a baby chick well past the danger period. At your dealer's in 25, 50 and 100 lb. bags.

For the growing chick nothing equals RYDE'S HAV-TO-GROW Chick Mash, With Buttermilk. Has minerals, fats and best growing feeds in abundance. Makes broilers or layers in double-quick time.

To make that hen "lay an egg a day" feed RYDE'S HAV-TO-LAY EGG MASH, With Buttermilk. Supplies egg making elements for maximum egg production in one convenient-to-feed, unequalled food. Contains choicest ingredients. Economical. At your dealer's in 25, 50 and 100 lb. bags.



Ryde's Cream Calf Meal

(with concentrated sweet skim milk)

is an economical milk substitute on which your calves will thrive and grow. Save the milk and earn two profits; one on milk and the other on the market value of the home grown animal. 100 lbs. RYDE'S CREAM CALF MEAL makes 100 gallons of rich, nutritious milk substitute. Choicest materials, not a "by product." Especially milled and steam cooked for easy digestion. At your dealer's in 25, 50 and 100 lb. bags, or write us.

RYDE & CO., MFRS., 5434 Roosevelt Road, Chicago, Ill.

Live Stock

DAIRY PROGRESS IN MISSAUKEE COUNTY.

THE fourth Missaukee county cow testing association, with headquarters at McBain, has hired C. R. Moorehead as tester. He began work on March 8. Dick Erdman, a local boy, is testing for Association No. 1, which includes dairymen around Lake City and Lucas. John Goodall, of Cass City, the county's first tester, has been rehired for Association No. 2, composed of dairymen in the eastern part of the county, around Merritt. John Scott, of Oceana county, with headquarters at Falmouth, is tester for Association No. 3. Ten per cent of the farmers and fifteen per cent of the dairy cows in the county are enrolled in testing associations.

Scrub and grade bulls are now practically unknown in Missaukee county. During the past three months ten new pure-bred dairy bulls were purchased and five more will be added to this list shortly. A herd of six pure-bred Guernsey females was also brought into the county during February. Albert Bielby, a young farmer near Lake City, bought the animals for foundation stock.

At a meeting of Guernsey breeders, held in Lake City on March 9, W. D. Burrington, secretary of the State Guernsey Breeders' Association, organized the Missaukee County Guernsey Breeders' Association, with eighteen charter members. P. S. Cadell was elected president; Mark B. Ardis, vice-president, and Harold Dennis, secretary and treasurer. One of the aims of this organization is to work with the agricultural agent in the promotion of dairy calf clubs among the boys and girls.—H. L. B.

THE PIGS THAT DIE TAKE AWAY THE PROFITS.

THE cost of producing pork depends to a very large degree upon the number of pigs that can be saved in each litter. If the number is large, then the cost of keeping the mother and other general charges, can be spread over the larger number of pigs. Otherwise these charges against the pigs becomes excessive.

In one county where cost accounts were kept on a score of farms, the number of pigs farrowed on these farms was 8.6 pigs. But by the time these pigs were ready for market the average litter had shrunk to 5.4 pigs.

These farmers discovered some things which aided them in keeping up the proportion of pigs saved. Guard rails in the farrowing pens, good feed and clean bedding, and pens thoroughly cleaned with disinfectants before the sows are put in. The largest mortality came before weaning time. After that only one pig out of every hundred was lost; this includes those lost from cholera.

GIRL REALIZES GOOD PROFITS FROM SHEEP.

VIRGINIA GRANT, an Oakland county girl, who is a member of a sheep club, bought a pure-bred Shropshire ewe in the winter of 1922. Since that time, the ewe has dropped six pairs of twin lambs and only three of the lambs have died. During 1925, the show premiums won on the ewe, the money received for the fleece, and the sale price of that year's lambs amounted to \$125. Virginia believes that it is possible to make a profit from sheep in Michigan.

It is usually assumed that when cattle are fed alfalfa for roughage that there is no need for minerals other than salt. However, work at the Iowa station has not borne out this assumption.



When the milk comes hard—when the cow is nervous and fidgety—you are losing milk you ought to be getting. Any disorder or hurt to the udder or teats, no matter how slight, can undo all of your efforts to get a full milk yield.

Bag Balm is a marvelous healer of all injuries to the delicate tissues of the udder and teats. Sore teats, chaps, cuts, inflammation disappear quickly under the soothing, penetrating action of this great ointment. For Caked Bag, Bunches, Cow Pox or any stoppage of the milk passages Bag Balm gives quick relief.

Bag Balm is a wonderful healer of all annual sores—and it can't taint the milk. The big 10-ounce package, 60c at feed dealers, general stores, druggists. Beware of substitutes. Order direct from us if you have difficulty in getting Bag Balm.

DAIRY ASSOCIATION CO., Inc.
Lyndonville, Vt.



Try a Michigan Farmer Liner

The Portable HINMAN MILKERS

The Hinman Gas Engine Milker & The Hinman Electric Milker

Here are two machines you ought to know more about!

Complete milkers—power and all—ready to go to work for you the minute they arrive.

So light and compact, you can easily lift either machine—roll them anywhere—turn in narrow spaces. And you ought to see them do that milking job!

Power? Hardly anything. Cleaning? These are milkers you can keep clean—with ease. Dependable? Valve chamber guaranteed for life of machine. These are Hinman milkers—the machines that have helped dairymen earn better profits for 19 years straight!

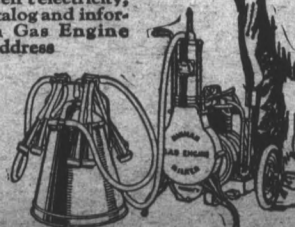
SEND FOR CATALOG

You want to know more about these Hinman Portables.

If you have electricity—write for catalog and information on Electric Portable.

If you haven't electricity, write for catalog and information on Gas Engine Portable. Address

HINMAN MILKING MACHINE CO.
6th St.
Oneida,
N.Y.



Mention the Michigan Farmer When Writing to Advertisers

HUNDERMAN 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.

	25	50	100	400	1000
S. C. White & Brown Leghorns	\$3.75	\$6.50	\$12.50	\$48.00	\$115.00
Barred Rocks	3.00	8.50	16.00	62.50	150.00
S. C. Reds	4.75	8.00	15.00	58.00	140.00

Light Mixed, \$9.00; Heavy Mixed \$13.00 per 100. 100% live delivery prepaid. Our chicks are Michigan Accredited. 10% down books your order. Free catalog. HUNDERMAN BROS., R. R. No. 3, Box 50, ZEELAND, MICH.

DEAN CHICKS

Michigan Accredited Chicks—Free Catalogue

White Leghorns a Specialty—also best strains of Barred and White Rocks, R. I. Reds, White and Silver Laced Wyandottes, White Anconas. Expert selection of breeding stock, together with scientific incubation methods, assure husky, liveable chicks.

DEAN EGG FARM & HATCHERY
Birmingham, Mich.
Box B

Established 1911—Free Catalogue—

Michigan SILER'S PUREBRED CHICKS Accredited

Buy Blood-tested chicks, they cost no more. All large poultrymen demand them. We guarantee 100% strong, healthy chicks delivered at your door. Two big money-making breeds, bred to live, lay and pay.

Barred Plymouth Rocks and S. C. White Leghorns

Write for free catalog and prices.

SILER HATCHERY, BOX A Dundee, Michigan

\$1064 Egg Revenue From 680 Unculled Pullets In Seven WEEKS

One customer reports this splendid return from our April hatched Grade A White Leghorn Chicks, Nov. 1 to Dec. 19, 1926. This is a fine, but not unusual record for our regular stock. 750 surplus cockerels raised from his 1000 chicks also gave him additional revenue. Our hens now leading Michigan and Oklahoma Contests are birds of similar breeding. All our stock blood-tested, and every breeder on our own farm transported from its first to last egg. All birds have been handled, passed, Leg-banded and CERTIFIED by the Michigan Poultry Improvement Association. Write at once for Price List and FREE Catalog on Baby Chicks and Hatching Eggs.

W. S. HANNAH & SON Route 10, Box M Grand Rapids, Mich.

Fairview Profit Producing Strains

Michigan Accredited
Six Leading Varieties to choose from.
Trap-nested Leghorns under R. O. P. Work.
Records show 67 to 71 eggs laid per hen 92 days.
S. C. Heavy Type White Leghorns, White and Barred Rocks.
S. C. Anconas, S. C. Rhode Island Reds.
S. C. Brown Leghorns. We Guarantee Satisfaction.
Write for our Live and Let Live Prices.
FAIRVIEW HATCHERY & POULTRY FARMS,
Box M, Zeeland, Mich.

Baby Chix and Pullets

S. C. White Leghorns, Tanager strain, Michigan Accredited. Keep 1700 on our own farm. Hatch our own eggs and from 3 neighbors. All our own stock. Use 200 to 326 (egg) Pedigreed males only. Blood-tested for 3 successive years. Quality chicks. Prices right. Descriptive circular before buying.

Simon Harkema & Son, HOLLAND, MICH.

before the spring rush



Now is the best time to repair your old separator or milker—or—if you are considering a new machine—to take advantage of the most liberal trade-in proposition ever offered.

The New Sharples

Quiescent Current Separator is unequalled in quality of work and ease of cleaning.
A Sharples Portable or Pipe-Line Milker at the new reduced price will pay for itself in a year.
Special prices and special proposition for those who order now.

SHARPLES SEPARATOR COMPANY
Dept. "D", West Chester, Pa.
Repairs for all Sharples Separators and Milkers

Wool

Send your wool to us and we will make you pure woolen goods—blankets, robes, wool batts for quilts, knitting yarns, pants, shirts, flannels, etc.

Send for free sample catalog.
If you have no wool send to our mill for Consumers Selling Price List.

Merrill Woolen Mills Co.
DEPT. 150 WISCONSIN
MERRILL

BREEDERS' DIRECTORY
Change of Copy or Cancellations must reach us Twelve Days before date of publication.

CATTLE

Registered **ABERDEEN ANGUS BULL** For Sale
Age 2½ years. **FRANK ROGER**, Montague, Mich.

FOR practically pure-bred **GUERNSEY** or **HOLSTEIN** calves, from heavy, rich milkers, write **EDGEWOOD DAIRY FARMS**, Whitewater, Wis.

Guernsey Dairy Heifer Calves, practically pure-bred \$25.00 each. We ship C. O. D. Write L. Terwilliger, Wauwatosa, Wis.

Guernsey Bull For Service Special terms and prices on A. R. O. Stock. **J. M. WILLIAMS**, No. Adams, Mich.

Registered: **Guernsey** bull calves, cows, heifers and heifer calves. **E. A. BLACK**, Howard City, Mich.

MICHIGAN STATE HERDS
Offer a Son of Bell Farm King Sylvia

Born March 3, 1926.
A light colored calf and a good individual. His dam is a 29.5-lb. Jr. 4-year-old with a good yearly record.
His three nearest dams average 950 lbs. butter and 24,515 lbs. milk in 365 days.

Send for Pedigree of Tag No. 223.

Bureau of Animal Industry
Dept. C
Lansing, Michigan

AT THE TOP

A Colantha cow from our herd was high butter-fat cow in Cow Testing Association work in Michigan in 1925. This herd of cows averaged 11,988 lbs. milk and 588 lbs. butter in 1925.

Typey Colantha Bulls from cows standing high in Official and Cow Testing work insure unusual production. Ask us about them.

McPHERSON FARM CO., Howell, Michigan

HOLSTEIN BARGAINS

Having decided to specialize further in Horticulture, we are offering our herd of 21 pure-breds, including some excellent producers, backed by 20 years of consistent breeding, at bargain prices. Close descendants of the famous Flint Hengerveld Lad, Champion Echo Sylvia Pontiac, and Sir Pietertje Ormsby Mercedes. Call or write for prices or descriptions.
F. H. HEMSTREET & CO., Belfaire, Mich.

A GOOD ONE

Ninety dollars will buy a large, handsome Holstein bull, 8 months old. He is of good breeding, a little more white than black, and a fine individual. The first check for \$300 gets him. **F. O. B.**, Fowlerville, Mich. Can spare a couple of good yearling heifers.
I. W. SHORMAN, Fowlerville, Mich.

FOR SALE, my entire herd of Jersey cattle, 30 cows including seven 2-yr.-old heifers, 5 yearling heifers and 7 heifer calves. Also 2-yr.-old herd bull **COLON C. LILLIE**, Coopersville, Mich.

Choice Jersey Bulls ready for service, and bull calves, for sale from R. of M. dams accredited herd. **SMITH & PARKER**, Howell, Mich.

SERVICE KEEPS UP C. T. A. WORK.

WHERE a good system of financing the association is used, and when a tester renders complete service to his members in the activities of the dairy herd, improvement association or cow testing association, little difficulty is experienced in the promotion of the cow testing association. "Every tester," said A. C. Baltzer, of Michigan State College, "should be an advertisement standing for high personal ideals and furnishing his members with dairy information, dairy explanation, and dairy inspiration for larger dairy profits." Certain definite goals were emphasized by A. C. Baltzer, that the dairy department desires each tester to try to accomplish during 1927. These goals are the following:

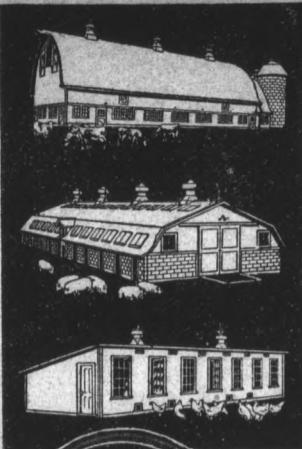
1. Each tester is to strive to have a waiting list of members anxious to join in the testing association.
2. Each tester is to bring the pure-bred sire situation among the cow testing association members up to 100 per cent use of pure-bred sires. At present the rating is ninety per cent of the 2,600 members using pure-bred sires.
3. Sectional meetings will be held during the spring and fall months.
4. Each tester is going to endeavor to have two safety bull pens built among the members of his cow testing association. Plans have been furnished each tester. These may be built as a demonstration or as direct personal work by one or another member. At any rate, this is a goal that each tester will try to live up to this coming year.
5. The alfalfa acreage, which is nine-tenths acres per cow under test in Michigan cow testing associations, will be increased to one acre per cow under test if possible. Likewise the sweet clover acreage is due for enlargement. At present there are three-tenths acres per cow under test, and it is desired to increase this to five-tenths acres.
6. Each tester will endeavor to make greater use of the Michigan Record of Performance. With 1,342 entries in the first volume covering nearly two years' work, and 1,050 entries in the second volume covering the year 1926, it may be possible to have a larger number entered during 1927.

VETERINARY.

Stifle Lameness.—My six-months-old colt got caught on fence and now she is stiff and stifle joints crack when she walks. Also has swelling on stifle. **C. M.**—The stifle joints were no doubt injured by the accident. Clip the hair and apply the following blister over the joints: Red iodide of mercury and powdered cantharides, two drams of each, and four ounces of vaseline. Rub in for five minutes, wash off in twenty-four hours, and apply vaseline. The colt should be prevented from reaching the blister with its mouth. If this cannot be done, rub in tincture of iodine once daily instead of blistering.

Stringy Milk.—Have five cows, all tested for tuberculosis, whose milk becomes stringy before it sours. Have kept the milk of each separately with the same result. What would you do? **D. J.**—This is caused by a bacteria which enters the milk after it has been drawn from the cow. Usually due to contamination of the water in which the utensils are washed. A leaky milk cooler might be responsible. Examine your water supply or storage tank and see if it cannot be cleaned up in some way. In the meantime, wash your utensils in boiled water then set them on the stove to dry; get them real hot, afterwards place them upside down in a clean, dry place until ready for use.

Sweeny.—My nine-year-old mare was sweened last spring when doing ordinary farm work. Could you suggest a remedy? **A. S.**—Sweeny is usually the result of a long-standing soreness or lameness in some part of the leg or foot. Occasionally it is caused by a poorly-fitting collar. A careful examination would probably show the lameness to be in some other part of the leg, instead of the sweened shoulder muscles. It would be advisable to have the mare examined by your local veterinarian before attempting any treatment.



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for
Cow Barns Horse Barns Hog Houses

Jamesway
POULTRY Equipment-Ventilation-
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Poultry Houses



W. J. James
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SALE ANNOUNCEMENT
THURSDAY, MARCH 31, 1927 - 10 O'CLOCK
ENTIRE HERDS and FLOCKS of the **BARBER STOCK FARM**
consisting of
35 Registered Holstein Cattle, 60 Shropshire Sheep, 20 Poland China Hogs

The Holstein herd consists of 13 Cows, records 21 to 30 lbs., fresh since Jan. 1st, or due about sale time. 5 yearling heifers, 6 heifer calves, 7 bull calves, 1 9 months old, and two great herd bulls, Idylwild Johanna Pietertje Weg. Sr. sire whose dam averages 33 lbs. butter for 5 years in 7 days; 1,009 lbs. 365 days, 26,000 lbs. milk. The Jr. sire, bred by Hargrove & Arnold, Norwalk, Iowa, is sired by Triune Ormsby Piebe and his 10 nearest dams average over 1,000 lbs. butter in a year. All heifers of breeding age sired by the sr. sire have been bred to this great young bull. Here is a wonderful pair of bulls fit to head any herd.
The sheep consist of 40 ewes and 20 rams. Strong in the blood of Buttar, McKerrrow, Leland and Broughton. Many have been prize winners and their lambs have been in demand. Ewes with lambs will be sold as one.
Poland Chinas, herd sire, Daddy Long Legs, many times gr. champion 1,000-lb. boar Lady Ambition, 2 yrs., bred to D. L. L., a prize winner in fast company in 1925. Miss Bob Wonder, 3 yrs., a great brood sow, a dam of prize winners and herd sires, and a wonderful sow. 14 fall boars and gilts from above sire and dams.
All show stock of the above 3 breeds intended for showing in 1927 fairs, included in this complete dispersion.

Farm adjoins Town of Williamston. Write for Catalog.
MURRY & PRICE, Auct.
FRED P. HAMPTON, Herdsman and Sheperd.
DR. C. L. BARBER, Owner.

JERSEYS Registered calves, males and females. \$15 to \$30. High-producing stock. **TEN HAVE FARM, R. 2, Holland, Mich.**

HEREFORD STEERS

CALVES, YRL'S & TWO'S. Well marked, beef type, showing splendid breeding. Dark reds. Most all bunches dehorned. Good stocker order. Can show few bunches around 45 to 90 head. Each bunch even in size. Also a few bunches Shorthorn steers. Will sell your choice of one car load from any bunch. Write, stating number and weight you prefer, 450 lbs. to 800 lbs.

Van D. Baldwin, Eldon, Wapello Co., Iowa.

SHORTHORNS For sale, several good cows with calves at foot, and bred again. Also bulls and heifers sired by Maxwalton Mock or Edlink Victor, two of the good bulls of the breed. Will make very attractive prices on all of these cattle. **GOTFREDSON FARMS, Ypsilanti, Mich.**

SHORTHORNS milk or beef bred. 20 bulls, 40 females, all ages, at farmer's prices. **CENTRAL MICHIGAN SHORTHORN BREEDERS' ASS'N.** Write for New List. Oscar Skinner, Sec., Gowen, Mich.

FOR SALE Milking Shorthorn bull calves, sired by Prince Albert 8th. **WASTA HUBER, Gladwin, Mich.**

MILKING SHORTHORN BULL born in January. 12 of his nearest grand dams have an average record of 10,751 lbs. **IRVIN DOAN & SONS, Crosswell, Mich.**

Shorthorns Best of quality and breeding. Bulls cows and heifers for sale. **BIDWELL STOCK FARM, Box D, Tecumseh, Mich.**

For Sale—Three Shorthorn Bulls
NEIL MARSHALL, Cass City, Mich.

ROAN SHORTHORN BULL, 14 mos. old. Sire Rodney's Model. Dam, a Bellows, bred Duchesse of Gloster. **W. E. MORRISH, Flint, Mich., R. 5.**

HOGS

Berkshire Gilts bred for April, May and June farrow. For breeding and prices write **A. H. BLAKESLEE & SONS, St. Johns, Mich.**

SPECIAL SALE DUROCS BRED SOWS AND GILTS
SERVICE BOARDS
Cholera immune, popular blood lines, typy. **LAKEFIELD FARMS, Clarkston, Mich.**

O.I.C. HOGS on time Write for HogBook
Originators and most extensive breeders.
THE L. B. SILVER CO., Box 196, Salem, Ohio

O. I. C.'s. BRED GILTS, ALSO FALL PIGS
MIL O. PETERSON & SON, Ionia, Mich., R. 2.

FOR SALE Chester White fall boars out of Grand Champion Son and boar at West Michigan Fair, 1925. **JOHN C. WILK, St. Louis, Mich.**

LARGE TYPE P. C. Bred gilts all sold. Fall pigs, inspection invited. Expenses paid if you are not satisfied. **W. E. LIVINGSTONE, Parma, Mich.**

BIG TYPE POLAND CHINAS. Bred gilts, big, smooth, stretchy. We like the good ones and believe you do. Write us
WESLEY HILE, Ionia, Mich.

B.T.P.C. FALL PIGS either sex, and they are good.
G. W. NEEDHAM, Saline, Mich.

A Few good Hampshire spring boars at a bargain. Place your order for bred gilts. **JOHN W. SNYDER, St. Johns, Mich., R. 4.**

SHEEP

For Sale—40 Shropshire Ewes & Lambs
F. J. CHAPMAN, Northville, Mich.

Registered Delaine Ewes
fine ones, bred. **F. H. RUSSELL, Wakeman, Ohio.**

HORSES

CLYDESDALES,
stallions, mares and young stock, imported and home-bred. Prices reasonable. **DR. GEO. W. PEART & SON, Burt, Mich.**



THE LATEST MARKET REPORT



GRAIN QUOTATIONS.

Tuesday, March 22.
Wheat.
 Detroit.—No. 2 red at \$1.28; No. 2 white \$1.29; No. 2 mixed \$1.27.
 Chicago.—May \$1.32½; July \$1.27½; September \$1.29½.
 Toledo.—Wheat, No. 2 red \$1.28½ @ 1.29½.
Corn.
 Detroit.—No. 2 yellow 75c; No. 3 yellow 71c; No. 4 yellow 64@66c; No. 5 yellow 61@63c.
 Chicago.—May at 72½c; July 77c; September 80½c.
Oats.
 Detroit.—No. 2 Michigan 50c; No. 3, 47c.
 Chicago.—May at 42½c; July 43½c; September 42½c.
Rye.
 Detroit.—No. 2, \$1.
 Chicago.—May at 98c; July at 96c; September 93c.
 Toledo.—Rye \$1.
Beans.
 Detroit.—Immediate and prompt shipment at \$4.35 f. o. b. shipping points.
 New York.—Pea domestic at \$4.75@5.50; red kidneys \$6.75@7.25 to wholesalers.
 Chicago.—Spot Navy Michigan fancy hand-picked in sacks, \$4.50@4.55; dark red kidneys \$5.15.
Barley.
 Detroit.—Malting 83c; feeding 73c.
Seeds.
 Detroit.—Cash red clover at \$27; cash alsike \$23.75; timothy, old \$2.45; new \$2.60.
Hay.
 Detroit.—No. 1 timothy at \$17@18; standard \$16.50@17.50; No. 1 light clover mixed \$16.50@17.50; No. 2 timothy at \$15@16; No. 1 clover \$16@17; oat straw \$12@13; rye straw \$13@14.
Feeds.
 Detroit.—Winter wheat bran at \$36; spring wheat bran at \$35; standard middlings at \$36; fancy middlings at \$37.

\$41; cracked corn at \$34; coarse corn meal \$32; chop \$33 per ton in carlots.

WHEAT.

Wheat prices have been weak recently, with some markets reaching the lowest points seen during the crop year. Slow demand for cash wheat in this country, an easy tone in Europe because of large arrivals from the southern hemisphere, and ample offerings for future shipment, favorable prospects for the new crop in practically all countries, and speculative liquidation were the factors responsible for the decline. To supply the needs of importing countries up to August 1, the beginning of the next European wheat year, there is probably a total supply of 370,000,000 bushels. It is possible that importing countries will require this amount, but rather unusual if they would. If not, it is necessary to conclude that the carry-overs in exporting countries will be somewhat larger than usual. Under these conditions, another large wheat crop in 1927 would point toward a lower level of prices. On the other hand, a small crop would enhance the value

of the carry-over. However, with the crop news coming uniformly favorable from all sources, it can change only in one direction.

CORN.

Country offerings of corn have fallen off, as was expected with the start of spring work, and some of the Missouri river markets have experienced a fair demand. These conditions, together with fairly aggressive speculative support, caused a period of stability recently. But the corn market yielded when wheat broke, dropping to new lows for the winter.

OATS.

Demand for ordinary grades of oats is slow, while high grades are easy to sell. Most of the receipts and most of the supply at terminals, consist of the lower grades.

EGGS.

The decline in egg prices has been checked, at least temporarily, although many dealers still consider the market too high to risk buying for storage. Prices already are one to two cents lower than at any time in the

spring of 1926. If the weather continues favorable, it would not be surprising to see a still lower level reached. Poultry prices are somewhat lower than at this time last year and dealers are not obtaining satisfactory returns on the frozen poultry now being moved out of storage. They are pushing their holdings on the market aggressively in order to avoid competition with the new crop, which is expected to be quite large.

Chicago.—Eggs, fresh firsts at 24@24½c; extras at 31½@32½c; ordinary firsts 23c; miscellaneous 23½c; dirties 23c; checks 22¾c. Live poultry, hens 26c; springers 31c; roosters at 19c; ducks 34c; geese 18c; turkeys 30c.

Detroit.—Eggs, fresh candled and graded 24½@25c. Live poultry, heavy springers 27@30c; light springers at 27c; broilers 45@53c; heavy hens 28@30c; light hens 28c; roosters 20c; geese 23c; ducks 35@38c; turkeys 42c.

BUTTER.

Butter prices have weakened decidedly in the last few days. The market has been high enough to permit imports, and large offerings of foreign butter caused weakness in New York which spread to other points. Aside from the offerings of foreign butter, the situation is quite healthy. Production is increasing quite slowly and it will be six to eight weeks before the current make will be sufficient to supply the total consumptive demand. Prices on 92-score creamery were: Chicago 45½c; New York 46c; Detroit, fresh creamery in tubs 45½@47c.

POTATOES.

Stocks of potatoes on March 1 were more liberal than generally expected, including potatoes held for seed or for food on the farms where grown, as well as those available for sale, the holdings were 86,948,000 bushels, compared with 68,709,000 a year ago, and 131,088,000 two years ago. Potato prices have weakened under the influence of larger carlot shipments, and bearish reports on the new crop acreage and old potato stocks. Northern round whites, U. S. No. 1, are quoted at \$1.80@1.95 per 100 pounds, sacked.

BEANS.

The bean market is extremely inactive, but quotations hold around \$4.50 per 100 pounds for C. H. P. whites, f. o. b. Michigan shipping points. All grocery lines are dull at present, and the bean market is in a state of lethargy along with the rest.

WOOL.

Wool trade is spotted, but mostly quiet at present. Mills seem to have only a moderate demand for goods, and are not accumulating raw material in advance of their needs. Boston reports a few sales of fine and half-blood territory wools, and the dealers have resold to mills at a profit, some of the contracts for the new clip. Additional contracting is proceeding slowly as bids are two to three cents lower than the prices paid two or three weeks ago.

DETROIT CITY MARKET.

Apples 50c@2.50 bu; beets 75c@1.10 bu; cabbage 60@85c bu; local celery 25@75c dozen; carrots 80c@1.10 bu; dry onions \$1.25@1.40 bu; root parsley at 75c@1.25 bu; potatoes 85c@1.40 bu; turnips \$1.50@2 bu; Hubbard squash \$2@2.50 bu; pears 75c@1.50 bu; parsnips \$1.50@2.25 bu; eggs, retail 30@35c; hens, wholesale 30@33c; retail 33@35c; springers, wholesale 28@31c; retail 32@34c; Leghorn springers and hens, wholesale 27@29c; veal 19@21c; dressed hogs 17@19c; dressed poultry retail, hens 35@38c; springers 35@38c pound.

COMING LIVE STOCK SALES.

Holsteins.
 March 29—Complete dispersal sale of Thornapple Hill Stock Farm Holstein herd. W. R. Harper & Sons, Middleville, Mich. Other live stock and tools on March 31.
 March 31—Walter T. Hill, Davison, Dispersal, Guy E. Dodge, Mgr.
 April 12-23—Wisconsin Holstein Sales Association—15 of the leading Holstein counties in Wisconsin cooperating—600 head of registered Holsteins. James R. Garver, Madison, Wisconsin, in charge of publicity and sales correspondence.

Poland Chinas.
 Cattle—Sheep—Hogs.
 March 31—Dr. C. L. Barber, Williams-ton, Mich.

Live Stock Market Service

Tuesday, March 22.

DETROIT.

Cattle.

Receipts 139. Market is active and steady.
 Good to choice yearlings dry-fed \$ 9.75@10.50
 Best heavy steers, dry-fed 8.50@ 9.75
 Handy weight butchers .. 7.25@ 8.50
 Mixed steers and heifers 6.25@ 8.25
 Handy light butchers 6.00@ 7.25
 Light butchers 5.25@ 6.25
 Best cows 6.00@ 7.50
 Butcher cows 5.00@ 5.75
 Cutters 4.25@ 4.50
 Canners 3.50@ 4.25
 Choice light bulls 6.50@ 7.00
 Bologna bulls 5.50@ 7.00
 Stock bulls 5.00@ 6.00

Feeders 6.00@ 7.50
 Stockers 5.50@ 6.75
 Milkers and springers... \$55.00@100.00

Calves.

Receipts 547. Market steady.
 Best \$14.50@15.00
 Others 3.50@14.00

Sheep and Lambs.

Receipts 798. Market is steady and 10c higher.
 Best lambs \$15.50@15.75
 Fair lambs 12.00@13.00
 Light to common lambs.. 6.00@11.25
 Fair to good sheep..... 5.50@ 8.75
 Culls and common 3.00@ 4.50
 Best clipped lambs 13.00@13.50

Hogs.

Receipts 1,955. Mixed 10@20c higher; lights 15c higher, others steady.
 Mixed \$ 11.80
 Roughs 10.00@10.25
 Pigs, lights and yorkers.. 9.75
 Stags 8.50
 Heavies 10.50@10.75

CHICAGO.

Hogs.

Receipts 40,000. Market on most light hogs fairly active, generally 10@15c higher than Monday's average; butchers slow, about steady; good kind above 300 lbs. practically unavailable; early tops \$12.05; bulk of 150-200 lbs. \$11.10@12; 210-250 lbs. \$11.75; 250-300 lbs. \$10.10@11; most packing sows at \$10.25; most slaughter pigs \$11.50@12.

Cattle.

Receipts 11,000. Market on heavy fed steers and fat cows steady; big steers and yearling heifers weak to 15c lower, others unchanged; stockers and feeders very scarce at \$8@9.25; liberal supply of the steer run selling at \$10@11.50; best heavies at \$12.65; early sales \$10@10.50; outsiders at \$12@13.

Sheep and Lambs.

Receipts 12,000. Market active and 25@50c higher; best handy weight lambs to shippers up to \$16.25; a few bulk wool lambs at \$15.25@16; heavy lambs \$15.50; choice lambs are selling around \$16; no clipped lambs sold; choice handy weight clipper are held above \$14.50; sheep slow; best medium weight fat ewes \$10; bulk medium to good kind \$8.25@9.50; feeding and shearing lambs are scarce, normally strong to 25c higher; fat medium lambs \$13.50.

BUFFALO.

Hogs.

Receipts 400. Market fairly active; pigs and light lights scarce, mostly 15@25c higher; pigs mostly \$13 down; light lights \$12.75 down; few 180 lbs. \$12.40; bulk of 190-210 lbs. at \$12.25; few 240 lbs. \$11.90@12; packing sows \$10.50 down.

Cattle.

Receipts 100. Market steady.
 Receipts 200. Market steady; tops \$15; culls and common \$10@12.

Sheep and Lambs.

Receipts 500. Market strong to 10c higher than high time Monday; good fat lambs \$16; culls and common are mostly at \$12@13.60.

QUALITY CHICKS at ORDINARY PRICES

White Leghorns - Barred Rocks
 Sanilac County Rhode Island Reds

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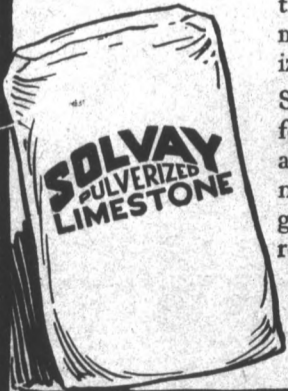
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Does a 50% — a 100% profit interest you?



This is not an advertisement of a get rich quick promoter — it is just to tell you that thousands of farmers have increased their crops 50% — 100% — and more, — much more, by spreading Solvay Pulverized Limestone.

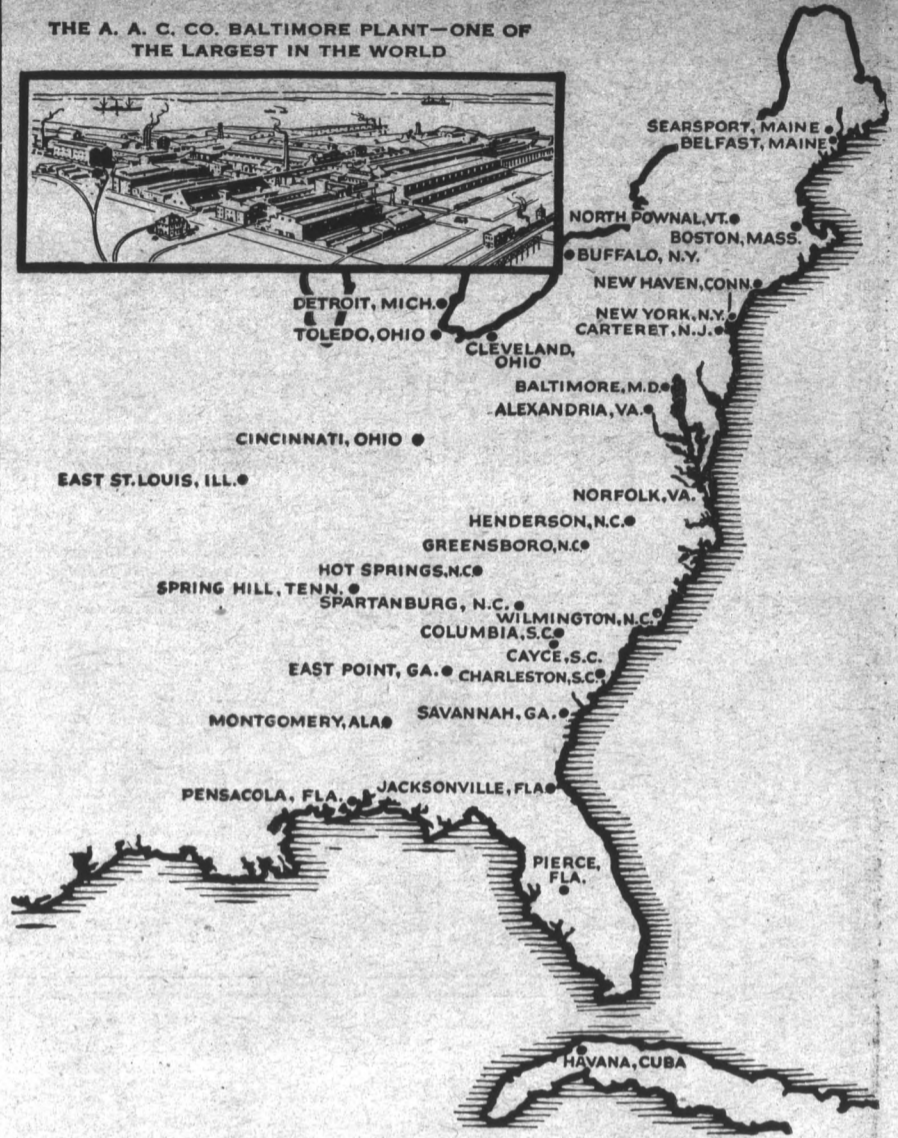
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Agricultural Chemical Company, since its beginning over sixty years ago, the largest manufacturer of fertilizers in the world.

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