

MICHIGAN FARMER

AND
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The William Pitt Tavern, Portsmouth, N. H., Built in 1770, Was Originally Called the Earl of Halifax Tavern and Served as a Meeting Place for Tories and Officers of the Crown. On Threat from the "Sons of Liberty" the Name Was Changed. Its Famous Visitors Were Washington, Lafayette, John Hancock, Knox, and Louis Philippe

THIS YEAR successful farmers will demand larger yields *per acre*

1 Use a fertilizer *made right*

2 Fertilize *liberally* the acres you plant

3 Use a *high analysis* fertilizer

4 Consult the A. S. A



For bigger *extra yields* in 1927 Swift offers this 4-point plan

This year successful farmers are planning for larger production *per acre*. They know they must produce a certain amount on each acre to pay the cost of production. Beyond that, in the *extra yield*, is their profit.

To help farmers bring through a larger *extra yield* this year Swift & Company recommends the 4-point plan outlined above. This is the plan successful farmers will follow because they know—

1. They can get this *extra yield* by using fertilizer of the right *kind* and *quality*.

2. They can save on costs of bagging, labor and freight—get their plantfood for less money—by using *high analysis* fertilizer.

3. They can obtain larger yields with less labor and at lower cost by fertilizing *liberally* the acres they plant.

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extra yield. Use the Swift 4-point plan. It is your best assurance of success.

Take no chances with the quality of fertilizer you use. *The kind and quality of plantfood in the fertilizer you buy depends upon the manufacturer who makes it.* Put your faith in Swift's Red Steer Fertilizers, as successful farmers do. They know that the Swift name on any product means the best product of its kind—has meant that for 50 years.

Talk over this plan with the A. S. A. (Authorized Swift Agent). He knows good fertilizer practice in your locality. Get his advice. Look for his sign. It marks the place to get "the fertilizer the best farmers use."

Swift & Company
Fertilizer Works

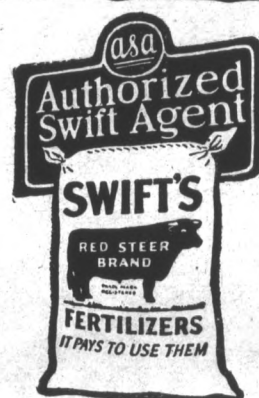
Hammond, Ind.

Cleveland, O.

Follow the advice of your Experiment Station

It is based on the results of years of careful study and field tests. Swift & Company's staff of fertilizer experts, adding their own knowledge to these results, have worked out recommendations for

the profitable use of Swift's Red Steer Fertilizers. Ask your A. S. A. (Authorized Swift Agent) for these recommendations—the kind and amount of Swift's Red Steer Fertilizer to use on your soil.



Look for my sign

Come in and let's talk over this profit-making 4-point plan. I co-operate with Swift & Company and keep informed of the work of our Agricultural College. I can help you select the analysis and the amount of Swift's Red Steer Fertilizer to make you the most profit.

asa.

Authorized Swift Agent

Swift's Red Steer Fertilizers

"It pays to use them"

DEVOTED
TO
MICHIGAN
VOLUME CLXVIII

MICHIGAN FARMER

AND LIVE STOCK JOURNAL
PUBLISHED WEEKLY
ESTABLISHED 1843.

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

QUALITY
RELIABILITY
SERVICE
NUMBER III

Success As Tenant Farmer

Sam Langdon, Master Farmer, Pays Landlord Good Dividends

By B. Wermuth

LANDLORDS of late have been long-faced. During the recent agricultural depression, their incomes have been reduced as much as have the incomes of their tenants. Complaints have been so general that it is refreshing to find a tenant who has not only secured a satisfactory income, but also one who has paid the landlord a good return on his investment.

Such an example is furnished by Sam Langdon, of Clinton county, who owns forty acres and rents an additional 240 acres. We inspected the books showing all the farm transactions for nearly a decade, and from them found that for the preceding five-year period, the net rentals paid to the owner of this 240 acres exceeded six per cent interest on a valuation of \$100 per acre.

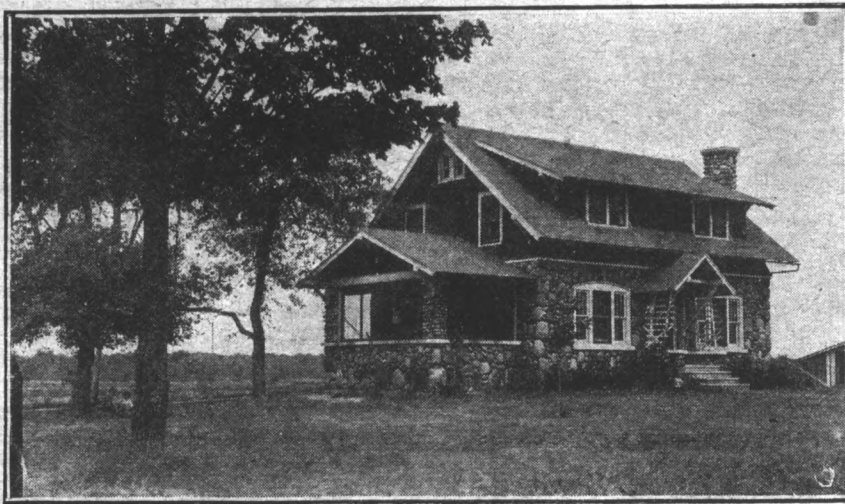
The lease under which these results were obtained, provides that one-third of the income goes to the landlord and the rest to the tenant. One-third of the seed is furnished by the landlord, who also pays the taxes and insurance, and stands one-third of all permanent repairs. The tenant meets all threshing expenses and provides most of the new machinery and repairs.

The books for 1925, the last full season's figures available at the time of the writer's visit, showed that after making deductions for repairs, insurance, taxes and seeds, a net total of \$1,684, or a little more than seven per cent on a valuation of \$24,000, was turned over to the owner of this land at the end of the year. When presented to the committee of judges in the Michigan Master Farmer contest last September, these figures were quite largely responsible for including Mr. Langdon as one of the men in the

first class of Master Farmers in this state.

The type of farming practiced by Mr. Langdon is typical of central Michigan agriculture. College professors call it general live stock farming. "The only criticism of this kind of farming," states Mr. Langdon, "is that it requires a lot of hard work." But, he

months. From 250 to 400 gallons of high quality maple syrup is sold each spring at prices ranging up to \$2.50 per gallon. Clover seed usually brings in an acceptable return, although the seed crop was a failure in 1926. The wheat and bean crops also aid in keeping the exchequer supplied. A twelve-ton sugar beet crop was harvested this



The New Home of the Langdons' Contains Practically Every Convenience for which the Good Wife Might Wish.

further reflected, "a fellow can expect a full year's pay only when he has put in a full season's work."

This farm provides many sources of income. Each year two carloads of finished cattle are turned off. The cream from seven cows is sold to a local creamery, and two or three pure-bred cows are bought each year by neighbors. From \$1,500 to \$2,000 worth of hogs are shipped every twelve

year, while in 1925 the yield was fifteen tons per acre. An old orchard still yields fine fruit. A carload of lambs is being turned off this winter. These, in the main, are the sources of revenue on this Clinton county farm.

The soil is variable. Much of it is clay loam, but there is also a fair acreage of gravel and sandy loams. These soils are friable and filled with

humus. They have been well farmed. The good crops are the best evidence of this.

Four- and five-year rotations are followed. Clover sod is plowed for corn and beans. If the beans can be removed in time, the land is sowed to wheat. The remainder of the bean ground and the corn fields are seeded to oats the following spring, and then to wheat in the fall. All wheat ground is seeded to clover.

In these rotations fertilizer is added to the corn, wheat and bean crops. About 200 pounds of acid phosphate per acre is used on wheat; from 125 to 150 pounds per acre goes on the corn and bean fields, and about 350 pounds per acre is sown with the sugar beets.

"Fertilizer," says Mr. Langdon, "is the best investment a farmer can make. It costs practically nothing to apply after the fertilizer is delivered at the farm. You sow it when the seed is put in. This year oats receiving 200 pounds of acid phosphate yielded twenty bushels more per acre than did untreated fields."

A good supply of manure is made on this farm. There is sufficient to cover from forty to fifty acres each year. In addition, much straw, not worked up into manure, is hauled to the field to increase soil humus, and usually there is also an abundance of clover chaff to be used in the same way. When clover is not cut for seed, it is plowed under. There are fourteen acres of alfalfa on the farm; this and the other roughage produced, together with all grains except wheat and beans, are fed on the farm. Besides, a large amount of concentrates is purchased for feeding, thereby adding to the income. (Continued on page 69).

Plan to Beautify the Farm Home

Once Planned the Work Can be Spred Over a Period of Years

By O. I. Gregg

Specialist in Landscape Gardening

ONE has said that a house is a place in which one can exist, a home is a place in which to live. Even though it may lack paint, although the roof may leak and the rooms be small, it is still home. The same place may be a home to one person, but to another simply a house. A house then, to become a home, depends upon the people who live in it.

Home folks make happy homes. One need not be rich to be happy, but improvements about or in the home may make one live with greater satisfaction. Satisfaction in life is what we are all striving for. Flowers, plants, shrubs and trees are means of adding satisfaction to one's life through natural beauty. Many farm homes, over fifty per cent, in fact, are devoid of shrubs or plants to help make them more pleasant places to live.

Every person has within them a sense of pleasure on seeing a thing of beauty. Most people take pleasure in caring for plants, either in the home or outside. If shrubs and flowers have not been used, it is generally because

of lack of time or fear of planting them out in a place unsuited for them, or not knowing the right thing for the right place.

A home includes not only the building itself, but a properly planted yard about it and the other outbuildings. This area may vary widely. It is better to have a well cared for place than a poorly kept large one. However, considering the extent of the surrounding fields, the farm home yard would look pinched if no larger than the city lot. One hundred twenty-five to 250 feet make a very satisfactory area for frontage. Too large a place means an increase in the unproductive acreage of the farm, as well as too much time to properly care for it, time that should be used for more productive work.

The house, with its surroundings, should make a pleasing picture, with the house the center of attention.

Plant shrubs about the foundation so as to tie the house with the lawn. This is called foundation planting. The height of the shrubbery used should vary with the height of foundation and the house itself. The strongest plantings should be placed at the corners. All plantings should be at least two feet from the foundation, giving plenty of room for each individual, varying the distance with the size of shrub when mature.

Choose kinds of shrubs with care. Have a variety, yet do not mix them. Have a background, say of spirea, with barberry in front. Shrubs should not be used individually about the lawn, as this lessens the seeming size and gives a museum effect to the place. Shrubs, other than foundation plantings, are best used in masses about the borders to make the frame or margin of your picture. They are used also, to separate different parts of the

grounds, as well as to screen unsightly objects, such as outbuildings, wood-piles, and fences.

Trees must be used with caution, as it is easy to have too many, and yet, a few are very essential. Trees are used for shade and to frame the house and give distinction to the whole. Trees, as well as shrubs, should not be planted in straight lines or equal distances from each other. Trees planted in groups give the effect of being planted naturally. This should be the aim of all plantings as the formal method is not adapted to country homes.

It is not necessary to do all of the planting about the home at one time, although this is desirable. In any case, a planting plan is the first essential. Know from the beginning just where you are going to put the trees and shrubs. Locating these on a sheet of paper is a very good way. Have the plan laid out to scales. Then, although one may be five years in completing the plantings, the whole will look like a finished picture in the end.

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 home problems.

VOLUME CLXVIII NUMBER THREE

DETROIT, JAN. 15, 1927

CURRENT COMMENT

The Governor's Message

THE first message of Governor Green to the legislature was a statesman-like document, touching on the various problems of state government in a business-like manner which will go far to firmly seat in the public mind a full measure of the confidence expressed in him at the polls. His appreciation of the importance of a square deal for agriculture was expressed in the following paragraph:

One of the great issues in the United States today is the situation in which the farmer, the producer of the necessities of life, finds himself. For a state administration to promise relief for all that harasses and perplexes the farmer would be folly, but in every department of state government the needs, the rights and the hardships of this section of our population must be kept actively in mind. Those in charge of our finances, of our institutions of science and learning, our law-making, and of every other branch of state administration, must do everything, at all times, to safeguard and promote the farmer's interests, and to cooperate with the national agencies in the improvement of conditions that are at the very foundation of our economic system.

In discussing the important matter of conservation, the governor allied himself solidly with the farmers of the state in the following forceful language:

The farmer, whose rights and interests have been to a large extent disregarded in the conservation movement throughout the country, is vitally concerned. The state should proceed to give him full control of his own property by the strengthening of our trespass laws. These laws must be tied up closely with our game laws, as has been successfully done in other states. It should be necessary for the hunter to get the farmer's permission to hunt upon cultivated land rather than for the farmer to be obliged to post warning signs.

This is exactly in line with the campaign started by the Michigan Farmer last June, and will be most gratifying to the farmers of the state. Our con-

servation and game laws have been repeatedly revised in recent years without adequate protection of the interests of the farmers of the state, and in recent litigation conservation officials were apparently concerned in establishing the rights of sportsmen as opposed to those of farmers. It is indeed refreshing to note the very different attitude of Governor Green on this point, as expressed in his first message.

How About Your Budget?

HALF the battle of life is economy, and our wise economists vouch that it is not as difficult to earn money as it is to spend well that which we have earned. Recognizing this, some ten years ago the Young Men's Christian Association sponsored National Thrift Week, January 17-23. Since that time this thrift movement has been endorsed every year by a growing number of organizations.

Their program is based on a ten-point success creed: work and earn; make a budget; record expenditures; have a bank account; carry life insurance; own your own home; make a will; invest in safe securities; pay bills promptly; share with others.

Important as each of these points are, it would seem that after we have fortified our earning power with good health and plenty of determination, the next important thing is to budget our income. Setting down our possible expenditures for the coming year defines for us our standard of living. It indicates what we can and what we cannot afford. As Kipling put it, a future spending plan develops "a certain strictness—let us call it a decent and wary economy—in domestic matters, which teaches us to look at both sides of the family shilling."

It is the first month of the new year, and resolutions are still in order. What better one could home managers make during Thrift Week than to resolve to establish a family budget, hold to it for the coming year, and plan so that the family reserve fund will grow a little larger next year?

Industrial Prosperity Good

THE present industrial prosperity which has prevailed for a number of months, will continue throughout 1927, according to a number of our foremost financial and business observers. Practically every person whose business forecast is worth publishing, takes this attitude.

The public buying power is greater than it has ever been before. The present condition of the railroads in this country is the best since the war. Building operations set a new record in 1926 by totaling nearly seven billion dollars, and it is predicted that these operations for 1927 will equal the volume of last year.

The director-general of the United States Bureau of Employment, states that conditions are healthy throughout the country; optimism and confidence prevail; capital and labor generally have a better understanding and no dark spots appear on the industrial horizon, with the probable volume of employment as large, or larger, for 1927 than for 1926.

The highest total production and consumption of any year in the history of the United States was the record of 1926, according to Secretary Hoover. This prosperity, he contends, is to continue during 1927. Defining economic progress in the terms of the individual, we have more and better homes, more electric lights and power, more transportation, more roads, more substantial buildings, more radios and automobiles, more savings, more life insurance and more of a long list of things than ever before. The disappearance of much of chronic poverty should make us more sensi-

ble, the secretary thinks, to the remedy of individual misfortune, and the high recovery of industry and commerce from the losses of the war also should make us more sensible of the needs of agriculture.

In the face of all this, the past year proved disappointing to a number of groups of farmers by reason of droughts, floods, epidemics, and overproduction. Particularly were the cotton, grain, and some of the fruit farmers discouraged. On the other hand, producers of potatoes, winter wheat, sheep, and dairy products, fared much better.

It is the position of business and government prognosticators that the farmers can look toward the new year with reasonable confidence. But farmers generally should read their lesson from the book of 1926. For example, take the cotton growers. In 1921 these growers produced thirty million acres of cotton. This acreage increased to forty-seven million acres in 1926. It is little wonder that the marketing of this crop got in an extremely bad way. Conservative planting in the spring of 1927 will go far toward making this year satisfactory to the farmers.

For the Farm Optimist

THE year 1921 was a bad one for farmers, but even so, farmers, as a class, were wealthier during that year than any other group of citizens. That is the finding of W. I. King, of the National Bureau of Economic Research.

In speaking recently in Detroit on "The Wealth of the Continental United States, on December 31, 1921," Mr. King said that the average wealth of the farmer was \$8,144, as compared to the average of \$6,638 for the rest of the citizens. But while the farmer had more wealth accumulated at that time, his income for that year averaged only \$701, as compared to \$1,600 for the rest of the citizenry.

We hope that Mr. King will be able to give us more recent figures in the near future, but venture that if he does the farmers' wealth will compare favorably to that of others, because the farmer puts much of his income into his farm, his manufacturing plant, while others are likely to spend theirs on more perishable products.

Observation assures one that the person who drives the best automobile and wears the best clothes, is not always the richest, although he may give that impression. The assets of the farmer do not stimulate in him the desire to keep up with the Joneses, but nevertheless they are sound and substantial assets.

The Bean Situation

IN about one-quarter of the counties of our state, about three-quarters of the white beans of the United States are grown. This season has been so unfavorable to the bean growers, that nearly a quarter of the crop has not been harvested, and about twenty per cent of those harvested are not marketable.

This is a heavy blow to the farmers of the bean growing section, but we hear no loud complaints, no calls for federal aid in price fixing, or other forms of government support.

This situation demonstrates the substantiability of a diversified agriculture. It shows the wisdom, in agriculture at least, of putting your eggs in more than one basket. Most bean growers have had a decidedly unpleasant year, but their diversified farming will enable them to weather the storm and to come back soon.

There is no state in the Union which demonstrates so well that diversity is agriculture's safeguard. It survived the post-war slump much better than most states, and it survives with very little unpleasantness, almost complete failures of any one of its multitude of crops. The south and the west, where

one-crop states abound, are taking the lessons Michigan is teaching.

The Farmer and the Banker

THE financial side of the farming business has most always been a handicap, because the farmer has not been able to get financial accommodations as easily and as favorably as those in other lines of endeavor. But gradually the banker and the farmer are trying to understand each other better and this should result in more favorable relations in the future.

One of the steps in advance in this respect, is the action taken by the Michigan Bankers' Association. In each county the agricultural committee of the association will appoint a county key banker to keep in touch with the agricultural conditions of his county, especially with reference to the relations between bankers and the farmers. This arrangement will furnish the bankers more "at-hand" information than they have been able to obtain before, and with this they will have a better understanding of the farmer and his financial requirements. This should stimulate a business friendship between the farmer and the banker which should prove mutually beneficial.

Getting Started Again

AS I was saying last week, I'm beginning to commence another year and, like all good farmers 're doin', I'm plannin' already for the coming season. That's what everybody should do, because no man ever built a house or did anything else worth while, without having plans.

For inst., I'm going to see our banker and act awful nice to him so he will let me buy a tractor. You see, with a tractor I kin get my plowing done early and get the ground fitted up, and then I'll have time to go fishin'. Well, then after I get my corn and potatoes in I can go fishing again, and when they ain't biting I can come home and cultivate a little, and then go



back fishing again.

And then there comes haying. Well, I'm going to arrange it so it's all done before the Fourth of July, so we kin really celebrate. There ain't no fun celebrating if you know that you've got lots of work to do after you get through celebrating.

We're going to get the neighbors to milk the cows and feed the chickens, and then we'll celebrate the Fourth for four days. One day ain't enough to celebrate such a important day—the anniversary o' our liberty. And I'm going to celebrate it just like we really got our liberty—by doing like we darn please. What good is liberty if you can't use it—that's what I want to know.

Of course, there's corn to cultivate and potato bugs to fight, but I'll get them in between fishings. Then, too, we want to go camping this summer, to make use of some of them state parks we're paying taxes for. There's nothing like getting your money's worth, 'specially if the getting is pleasant. And camping is pleasant because it makes you think of the time people lived when there was no work. Them was the good old days when you could camp and hunt and fish. But now, all you kin do is camp and look out for game warden, and work the rest of the time.

Now, this is just part of my plans. But from what I've given, you kin see I'm ambitious. Most farmers would just plow, cultivate, chase potato bugs and such like, while I'm working in fishing and etc. Don't that show I'm industrious?

HY SYCKLE.

Success With Everbearers

A Factor That Makes it Possible
By a Successful Grower

SUPPOSE you owned a race horse which you could drive, under average conditions, at a two-ten gait, and suppose when someone else drove him he could only strike a three-thirty gait. Would he be classed as a two-ten or a three-thirty horse, and would his inability to strike his average gait when driven by another be his fault?

Now, if one grower can make a success growing everbearing strawberries when another cannot, is the everbearing strawberry to be considered as worthless, unprofitable, and a failure?

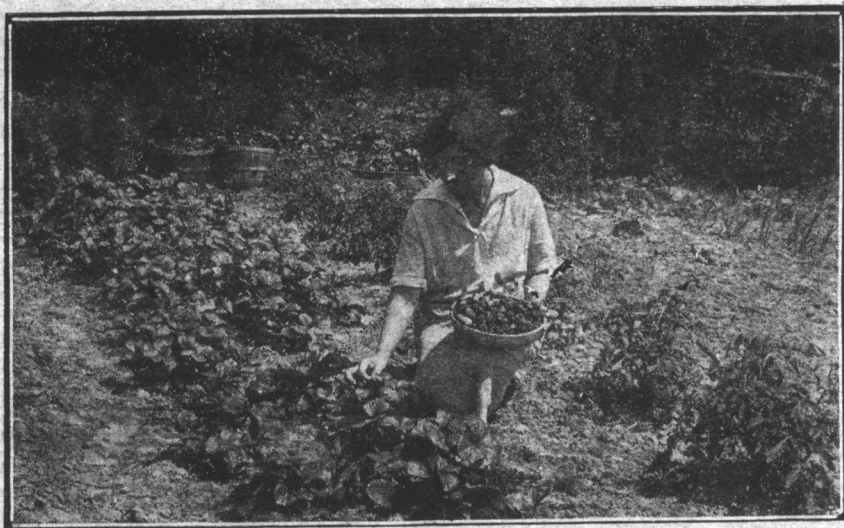
Ever since the everbearing strawberry was introduced in 1902, there has been varying results from this class of berries, due to variety characteristics, soil and weather conditions. The first variety of this class of strawberries to attract much attention was the Progressive, introduced in 1912. It was the result of a cross between the Pan-American, the original everbearing variety, and the Sen-

ator Dunlap. Although the Superb, a well-known variety, was introduced a year previous to the Progressive, it never gained in popularity to equal that of the Progressive, for it was not so sure a cropper—fruiting very sparingly some summers and falls, if at all.

Since the advent of the Superb and Progressive, many everbearing varieties have been introduced with varying possibilities, but none of them have met with much favor and success, because of their inability to produce many quarts of berries during the everbearing season, and because the berries wouldn't hold up in size until the end of the fruiting period.

Nine years ago in north central Indiana, then originated an everbearer called the Mastodon. It was a result of a cross of the Superb with a late-ripening spring, or common strawberry. The originator found he had something worth while, and kept the variety to himself, but the secret leaked

(Continued on page 71).



A Patch of Everbearers will Bring Both Pleasure and Profit.

Why They Won

These Men Made Their Programs Effective

AS recently announced in these columns, C. L. Nash, agricultural agent of St. Clair county, and A. C. Lytle, agricultural agent in Otsego county, were recently selected by the three state leaders of county agricultural agents as winners of the cups for the best work done by such agents in this state the past year. Mr. Nash has been county agricultural agent in Branch, Cass, and St. Clair counties during the ten years which he has spent in this work. Mr. Lytle has been in Otsego county all of the eight years which he has devoted to agricultural extension activities.

The selection of cup winners each year is determined by the program of work which the agent builds up for his county, the manner in which the program is carried out, and the efficiency which the agent shows in working with local people in carrying out the year's program. This yearly outline must be planned to aid local people in solving immediate problems and at the same time each year's work must be used as a stepping stone on the way to a continuous effort to aid agriculture.

When Mr. Lytle took up his duties in Otsego county, the farmers of that section were buying 200 carloads of hay each year. After three years of effort in getting farmers to use poison baits to destroy grasshoppers, and to grow legumes in place of timothy, Otsego farmers were growing all the hay needed in the county. The Top o' Michigan Potato Show held at Gaylord each year is another of the projects upon which Mr. Lytle has devoted much time and effort. This show has

much influence upon the quality of potatoes produced in that section.

The marketing agencies for potatoes in Otsego county were persuaded to grade potatoes over a two and a quarter inch screen, thus producing the well-known King Spud brand. Last year the growers were able to secure \$1.07 a sack more for the King Spuds than they secured for the U. S. No. 1's, which are graded over a one and seven-eighths inch screen. This increase of \$1.07 a sack was obtained on sixty cars of potatoes.

The agricultural activities in St. Clair county are varied and any program of work in that county must be planned to aid farmers who are engaged in all branches of farming. Dairying is one of the major lines of farm work in St. Clair county, and Mr. Nash spent much of the past year in helping the dairy farmers in solving problems. An appropriation of \$9,000 was secured to be spent in a tuberculosis eradication campaign. A Holstein breeders' association was organized and a dairy tour conducted. Two cow testing associations, one bull association, and three calf clubs were also organized. These agencies all aid in the development of more economical methods of milk production.

The county agricultural agent in St. Clair county is also working with fertilizer dealers in the county in an attempt to have the dealers carry in stock only such analyses of fertilizer as are of especial value in that county. Low-grade fertilizers contain many pounds of filler, and this filler costs as much a pound to ship as actual fertilizer elements.—P.

start 1927 right

Use

FUL-O-PEP EGG MASH

—and get More Eggs and Better Chicks

January is a good time to start feeding your hens Ful-O-Pep Egg Mash. For if you resolve to do it this month you may be sure that you have a profitable New Year ahead.

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And eggs produced with Ful-O-Pep Egg Mash hatch into strong, lively chicks. The Cod Liver Meal adds greatly to the fertility of eggs, and the baby chicks are sturdy, husky little birds that can be developed into profitable market poultry, or layers.

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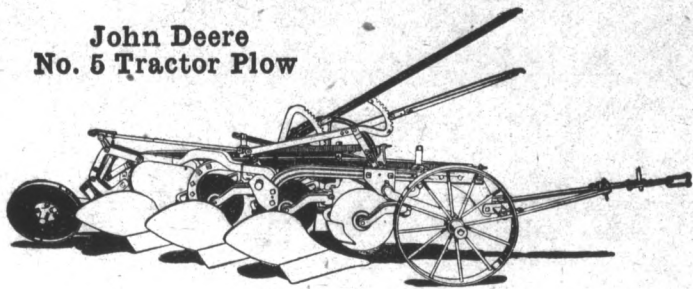
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\$1 BARGAINS

To give you some idea of my wonderful values look these over. PRONIES, 3 colors, large flowers, 3 for \$1; Iris, large blooming, 15 for \$1; PHLOX, mixed, 7 for \$1; ROSES, Rambler assortment, 4 for \$1; RAVEN-IRIS, red or black, 20 for \$1; CONCORD GRAPES, 2 year, 10 for \$1; EVERGREENS, Norway Spruce, 1 ft. average, 6 for \$1.00. Any 5 bargains, \$5.00.

25 GLADIOLUS

Another wonderful introductory offer. First year blooming size, assorted varieties and colors. If 25 are too many, send 10c for 7. Will add many dollars' worth of beauty to your garden at a few cents cost.

Write TODAY!

No matter what your planting wants are, we have it at less money than you can buy elsewhere. Get free catalog and be convinced that we save you money on shrubs, trees, etc.

Earl Ferris Nursery
506 Bridge St., Hampton, Iowa

4 APPLE TREES
1 Yellow Transparent, 1 Delicious, 1 Grimes Golden & 1 Jonathan. Best varieties, 1 year, well rooted and thrifty, postpaid \$1.00

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.

KEYSTONE
STEEL & WIRE
COMPANY
4999 Industrial
St., Peoria, Ill.



State Capitol News

By Our Lansing Correspondent

WITH a new governor at the helm and a new legislature studying the charts and sailing rules, Michigan's Ship of State was launched upon another two-year voyage at Lansing last week. Not in many years has the prospect of cooperation between the executive and legislative branches of Michigan's state government been as bright as they are today. Governor Fred W. Green seems to have the confidence and good-will of the lawmakers and of the public generally.

The first development of major importance in the House of Representatives was the selection of a speaker. This is done by the members from among their own number. Representative Lynn C. Gardner, of Stockbridge, Livingston county farmer, was the choice for this important position. The speaker pro tem will be Representative Milton R. Palmer, of Detroit.

The governor delivered his inaugural address in person to the senators and representatives at a joint convention of the two Houses, on Thursday afternoon, January 6. His recommendation covered a broad field of state problems, but emphasized especially the state's financial policies, the condition of various state institutions, and problems relating to agriculture, taxation, conservation, and the prevention and punishment of crime. He urged the law-makers to be noted for the quality, rather than the quantity, of their enactments.

Commenting upon the problems of Michigan farmers, Governor Green declared in his inaugural address, "One of the great issues in the United States today is the situation in which the farmer, the producer of the necessities of life, finds himself. For a state administration to promise relief for all that harasses and perplexes the farmer would be folly, but in every department of state government the needs, the rights, and the hardships of this section of our population must be kept actively in mind. Those in charge of our finances, of our institutions of science and learning, of our law-making, and of every other branch of the state administration, must do everything, at all times, to safeguard and promote the farmer's interests, and to cooperate with the national agencies in the improvement of conditions that are at the very foundation of our economic system.

"The tax problem is bound up with the whole unfortunate condition of the state's finances. Lightening the burden of the direct property tax must be the first purpose of every change in our system of taxation, and we must not create any new sources of revenue unless this money is to be used to reduce the property tax. We must exhaust every method of reducing expenditures. Michigan has not kept her faith with the farmer on one hand, nor with business interests on the other, in the matter of taxation."

Prospects seem very favorable for legislation to protect the farmer from trespass by hunters. There is every indication that the legislature will consider favorably a bill along the lines suggested by the Michigan Farmer during the past few weeks. Speaking of this situation, Governor Green in his message declared, "The farmer, whose rights and interests have been, to a large extent, disregarded in the conservation movement throughout the country, is vitally concerned. The state should proceed to give him full control of his own property by the strengthening of our trespass laws. These laws must be tied up closely with our game laws, as has been done

in other states. It should be necessary for the hunter to get the farmer's permission to hunt upon cultivated land rather than for the farmer to be obliged to post warning signs."

It is understood that a bill to carry out these ideas is being prepared and will be introduced during the forepart of the session.

No bills were introduced in the House of Representatives during the first week, but in the Senate six new proposals were dropped into the hopper. One relates to drains, two to banking, two to the election laws and, last but not least, a capital punishment proposal sponsored by Senator Vincent A. Martin, of Fruitport. This bill defines first degree murder and allows the jury to recommend as the penalty, either life imprisonment or death. Capital punishment proposals have been offered for the last several sessions and have always provoked a great deal of publicity, lobbying and debate, but each year they have been defeated by narrow margins. However, this year some of the death penalty opponents are said to feel differently about this proposition, and it is reported that there is quite a chance that some legislation along this line may be enacted at this session.

The Legislature took a recess from Thursday, January 6, until Wednesday, January 12, in order that the new speaker of the House might make his committee appointments, and that the legislative mill might be tuned up to begin operations in earnest.

News of the Week

During the past year there were left on the street cars of Detroit, 19,466 parcels of various kinds and value by passengers.

Reuben C. Bland, of Martin county, N. C., is considered the champion father of this country. He has thirty-four children to his credit. He was presented to President Coolidge and Congress last week.

Mussolini, the Italian Premier, has ordered restrictions to be placed on night clubs and cabarets in Rome in order that the coming year will be one of more work and less useless play for the Italians.

The Newark, N. J., building trades union will try out the five-day week during the coming summer.

Twice as many suicides were committed in Budapest during the past year than the year before.

On January 6, the Rochester, N. Y., Philharmonic Orchestra concert was broadcast by WGY and stations in England, in an effort to send music around the world.

The department of physics of the Mercer University, Macon, Ga., has announced the perfection of a battery-less and tubeless radio receiver.

A fight over which one pulled a skunk out of a hole, resulted in Edward Grim getting a broken nose, and Ernest Grim, a cousin, being sued for \$5,000. The jury in Chicago awarded Edward \$350 for his nose. The disposal of the skunk was not mentioned.

Four hundred more marines and six more ships have been sent to Nicaragua to protect American interests. Fighting between Liberal and Conservative parties is the cause of the trouble there, with President Diaz, of the Conservatives in control.

Since October nine people have died in Detroit from monoxide gas, resulting from running their motor cars in garages while the doors were closed.

Thousands of Chinese coolies in Hankow mobbed the British council offices and the British police offices last week, but later the Chinese troops gained control and kept the coolies in subjection. The Chinese want to break from British rule.

There was such a clamor to use the trans-Atlantic radiophone from London to New York, by the British on the day of its opening, Friday, January 7, that the British postmaster-general had to draw lots to determine the favored ones.

JAMES E. KANE
Route 6, Dubuque, Iowa

MR. KANE is well known in his part of the country for his strawberries and grapes. Honey and chickens are other profitable products of his twenty acres. He has a fine big family of four boys and three girls, and this is what he says about the footwear they have for bad weather: "If I don't keep my feet dry I can't keep

well, and all the boys and girls are like me in this, so when it comes to such things as rubbers, we buy the best. We always ask for Ball-Band and it's easy to tell that we are getting it, on account of the Red Ball trade mark. I have worn Ball-Band as long as I can remember, and I like it because I get good fit. I wear the four-buckle rubber arctic most of the time, with Ball-Band wool socks. The girls and Mrs. Kane wear cloth arctics and regular rubbers—all Ball-Band."



O. S. BUNDY
Proprietor Sugar Loaf View
Farm, Winona, Minnesota

MR. BUNDY devotes his 250 acres principally to strawberries and red raspberries. At the height of the season he employs 125 workers, with an average of 15 men throughout the summer. He also plants 15 acres of asparagus of a quality that finds a ready market. Mr. Bundy is a Director of the Winona Milk Corporation. The whole Bundy family are wearers of Ball-Band footwear. The son has on Ball-Band leather top rubbers, his wife and his father are wearing Ball-Band boots. "I remember,"

said Russell Bundy, "the first pair of boots I ever had. I was eight years old and that little Red Ball on the shiny rubbers was a beautiful thing in my mind." His father interrupted: "Ball-Band in our family goes back to nearly twice your age," he said. "Your mother and I have not only bought Ball-Band rubber and woolen footwear for ourselves and children ever since we came to Winona forty years ago, but we have bought it from the same Ball-Band dealer. He wouldn't think of offering us anything else and we wouldn't think of buying any kind of rubbers that didn't have the Red Ball trade mark."

Outdoors in bad weather... but they keep their feet warm and dry

Read how they do it and what these farmers say about how to get *more days wear* in boots, arctics and all kinds of rubbers

MEN—and women—like those whose pictures are shown here, can go about their work in all sorts of bad weather, with perfect foot comfort. Their feet are always warm and dry, no matter how wet or cold it is under foot. That is because they wear Ball-Band boots, rubbers and arctics.

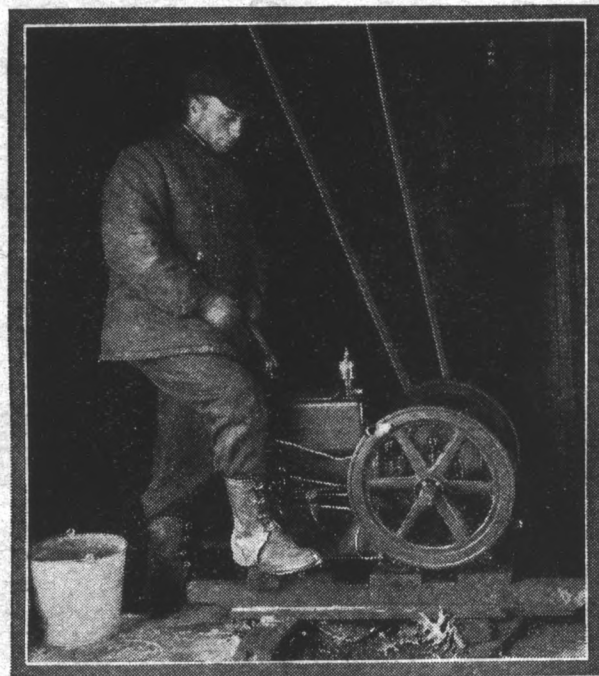
They enjoy foot comfort not only because Ball-Band footwear keeps out the wet and cold, but because their footwear *fits*. Every article with the Red Ball trade mark is shaped to fit the human foot.



Look for the
RED BALL
trade mark

And good fit results in more days wear. When your boots and rubbers last longer you spend less for footwear. Look for the Red Ball and be sure of getting *more days wear* for your money.

Whatever you need in rubber and woolen footwear, you can get it in the Ball-Band line. The stores where you trade no doubt have a wide variety of styles and sizes. If not, write for booklet and name of a nearby dealer who can supply you. Mishawaka Rubber & Woolen Mfg. Co., 328 Water St., Mishawaka, Indiana.



THEO E. MYERS
Manager Hayden Farm
Route 8, Ft. Wayne, Indiana

THE Hayden Farm is conspicuous among the farms around Fort Wayne for its many attractive buildings. Mr. Myers is a graduate of the Agricultural College of Purdue University, class of 1917. He didn't go to farming immediately after graduation, for Uncle Sam had a job for him until 1919. Since then, however, he has demonstrated how productive a farm can be made when brains are applied to it. He cultivates 160 acres and raises corn and oats for feeding

some 60 hogs and around 650 head of sheep (Western feeders). "One of the things I learned at college," says Mr. Myers, "was the wearing qualities of Ball-Band footwear. Whenever there was rough work to do in bad weather everybody seemed to blossom forth with boots with the Red Ball trade mark. Here on the farm I wear the four-buckle rubber arctic mostly, with heavy dull sandals for going to town, and Ball-Band short boots for real wet weather and wet fields. I often marvel how any manufacturer can produce such a large line of rubber footwear of such remarkably uniform high quality."

BALL-BAND

RUBBER & WOOLEN FOOTWEAR

BOOTS • LIGHT RUBBERS • HEAVY RUBBERS • ARCTICS • GALOSHES • SPORT AND WORK SHOES

Longer PROTECTION *-is yours in every pair!*

WHEREVER there's mud or slush, you will find Goodrich Rubber Footwear giving its extra service and longer life.

Millions of feet are enjoying that snug, dry comfort which this footwear can bring to you.

And 65,000 dealers make it easy for you to get this protection.

Ask them for Goodrich "Hi-Press" Rubber Footwear—for every purpose and every member of the family.



THE B. F. GOODRICH
RUBBER COMPANY
Established 1870 Akron, Ohio
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Company, Ltd., Kitchener, Ont.

Goodrich HI-PRESS



The first thing to do in buying Zippers is to look at the flap and find the name.
An instant of caution—and months of satisfaction are yours.

Zippers
are made only by
Goodrich



THE HANDY MAN'S CORNER

WOOD WITH MANY USES.

A NEW product that can be handled like putty, and which hardens into wood, has lately come onto the market. It can be moulded with the fingers, pushed into cracks and holes, and will stick to wooden surfaces, glass, cloth, tile, or metal. When hardened it can be sandpapered, planed, carved, or turned on the lathe. It also takes paint, varnish, or stain equally as well as does wood. Nails and screws may be used as in a board. It is sometimes called plastic wood and should prove very useful to farmers.

BLUING GUN BARREL.

Please give me a recipe for bluing a gun barrel.—R. J. H.

The only reliable and lasting method of bluing a gun barrel is that used by the manufacturer when the gun is made. The following chemical methods recommended in the Scientific American Cyclopedia of Formulas, are given for what they may be worth, as we have had no experience with them:

To stain a gun barrel without heating, dissolve four and one-half ounces of hyposulphite of soda in one quart of water, also one and one-half ounces of acetate of lead in one quart of water. Mix the two solutions and bring to a boil in a porcelain dish or stone pot. Clean the gun barrel free from grease, oil or varnish, warm the barrel, and smear with the hot solution, using a piece of sponge tied to a stick. When color develops, wash, and wipe dry; finish with boiled linseed oil.

Another method is to clean every part carefully, and apply nitric acid, one part, diluted with ten parts of water, until a blue film is produced on the surface. Then wash with warm water, dry, and wipe with linseed oil.

PREVENTS AUTO WINDOWS FROM FREEZING.

Is there anything to use to keep the windows and windshields of coupes and sedans from frosting in cold weather when a heater is used and the windows kept closed?—C. C. B.

Glycerine and alcohol seem to be about the most satisfactory material for this purpose. The usual instructions are to dissolve one-half ounce (one level tablespoonful) of glycerine in one-half pint (one teacupful) of denatured alcohol. Put a few drops of this on a soft rag and wipe the windows and windshield inside and out. This will not only prevent frosting, but will keep the glass clearer of rain and snow. Glycerine is sometimes used alone, but this attracts dust rather badly. Care must be taken not to get this solution on the car finish, as it will be likely to cause spots.

Another material sometimes used is to take about half a pint of thin soap solution, about a teaspoonful of glycerine, and the same amount of turpentine, shake together, and apply a few drops with a soft rag. The other solution is the more commonly used.

SALT WATER AS AN ANTI-FREEZE.

What are the objections to using salt brine as an anti-freeze solution for auto radiators?—H. H.

A strong salt solution is, of course, quite effective in preventing freezing, but is not effective as an anti-freeze for auto radiators. In the first place, it has a very strong corrosive action, especially when hot. You have no doubt noticed how quickly and how deeply a piece of iron rusts when laid in brine. It also has a tendency to corrode brass and other metal parts. A second serious objection is for a strong solution to crystalize out, form-

ing heavy crystals, and even cakes, where it stands a good while. These are likely to clog up the cooling passages.—D.

LIME AND CEMENT WHITE-WASHES.

MANY of our readers will no doubt be interested in the following lime and cement whitewash recipes, recommended by the Illinois Agricultural Experiment Station authorities:

"A whitewash formula that is recommended as being very satisfactory for new surfaces is as follows: Two and one-half gallons of finishing lime, two gallons of white Atlas cement, two and one-half pounds of sal soda, two pounds of table salt, and three pounds of powdered alum. These should be mixed dry, and then enough cold water added to make five gallons of the wash.

"For old surfaces a good mixture can be made from two and one-half gallons of finishing lime, two and one-half gallons of white Atlas cement, one pound of sal soda, one pound of table salt, and three pounds of powdered alum. As in the case of the other formula, these ingredients should be mixed dry and then enough water added to make five gallons of the wash. This wash should be applied in the usual way after the loose particles and scales have been cleaned off.

The caution that should be kept in mind in whitewashing, is to be sure that the surface on which the wash is applied is entirely clean before the application is made."—D.

GETTING HEAT DOWN TO FLOOR.

Will you kindly tell me how to get the heat from the ceiling down to the floor in my brick bank building, which is 24x36x12 feet high, and heated with a hard coal burner?—J. H. K.

About the only remedy for a trouble of this kind is to increase the rapidity of the air circulation. The best way to do this is to put a sheet iron jacket entirely around the heater, reaching about a foot of the floor to above the top of the heater, and spaced about two feet away from the heater. A door in the side will permit of attending to the fire. This sort of a jacket is now used on most schoolhouse stoves.

If this does not give enough circulation, an electric fan could be put at the top of the heater to blow the hot air upwards and this could be turned on in very cold weather.

A layer of insulation on the under side of your floor joists, especially under the parts farthest from the heater, so as to make the spaces between the joists air tight, would help a lot about cold floors. Putting a half-inch thickness of good insulation on top of your present floor, and then laying a floor on top of that, would also help some.—D.

USES GERMAN PLOW.

A farmer near Oscoda, Carl E. Schmidt, uses a plow imported from Breslau, Germany. It has two batteries of plowshares of five shares each, arranged opposite each other. They are mounted on a V-shaped steel bar, the crux of which is mounted on an axle. At opposite ends of the field are two steam engines which are connected to the plows by three-quarter-inch steel cables. Only one battery of plows works at a time, while the other is suspended in the air. Mr. Schmidt can plow thirty acres in a day with this outfit at a cost of eighty-three cents per acre, while tractor plowing costs \$1.74 per acre.

STARTS FORESTRY WORK IN MUSKEGON.

MUSKEGON county is carrying out one of the most extensive forestry projects in the state. Figures given out by Carl H. Knopf, county agricultural agent, show that a total of 211,150 trees were planted in 1926. This figure includes plantings of both seedlings and transplants. White pine led the list in the plantings, as 128,900 seedlings and 100 transplants were placed in Muskegon county. Fifty-one thousand three hundred Norway spruce were also planted.

CLUB BOYS GET LABORATORY ADVANTAGES.

THE superintendent of the high school at St. Louis has made it possible for the rural boys and girls of the vicinity to use the manual training laboratories of the school each Saturday morning, and some of the instructors in the school have offered to help members of the local boys' and girls' clubs who use the laboratories. Mr. Wilk, the instructor in agriculture at the St. Louis school, has been very active in helping to organize the clubs. Through the cooperation of these school officials, it has been possible to organize clothing clubs in the county for the first time.

WOMEN LEADERS CONTINUE WORK.

CARRIE C. WILLIAMS, clothing specialist at Michigan State College, makes the following report of the interest shown by Van Buren county women in the study of clothing problems: "Of thirty-three leaders in the clothing project in Van Buren county, sixteen are acting as leaders for the third year, nine for the second year, and eight are starting their first year as leaders. When twenty-five out of thirty-five leaders are interested enough in the type of work that they are able to carry back to their communities so that they will devote their time, effort, and often times their personal resources to the work for two and three years, then it looks as though the problem of securing local leadership ceases to be a serious problem."

MORE FROM THE GARDEN.

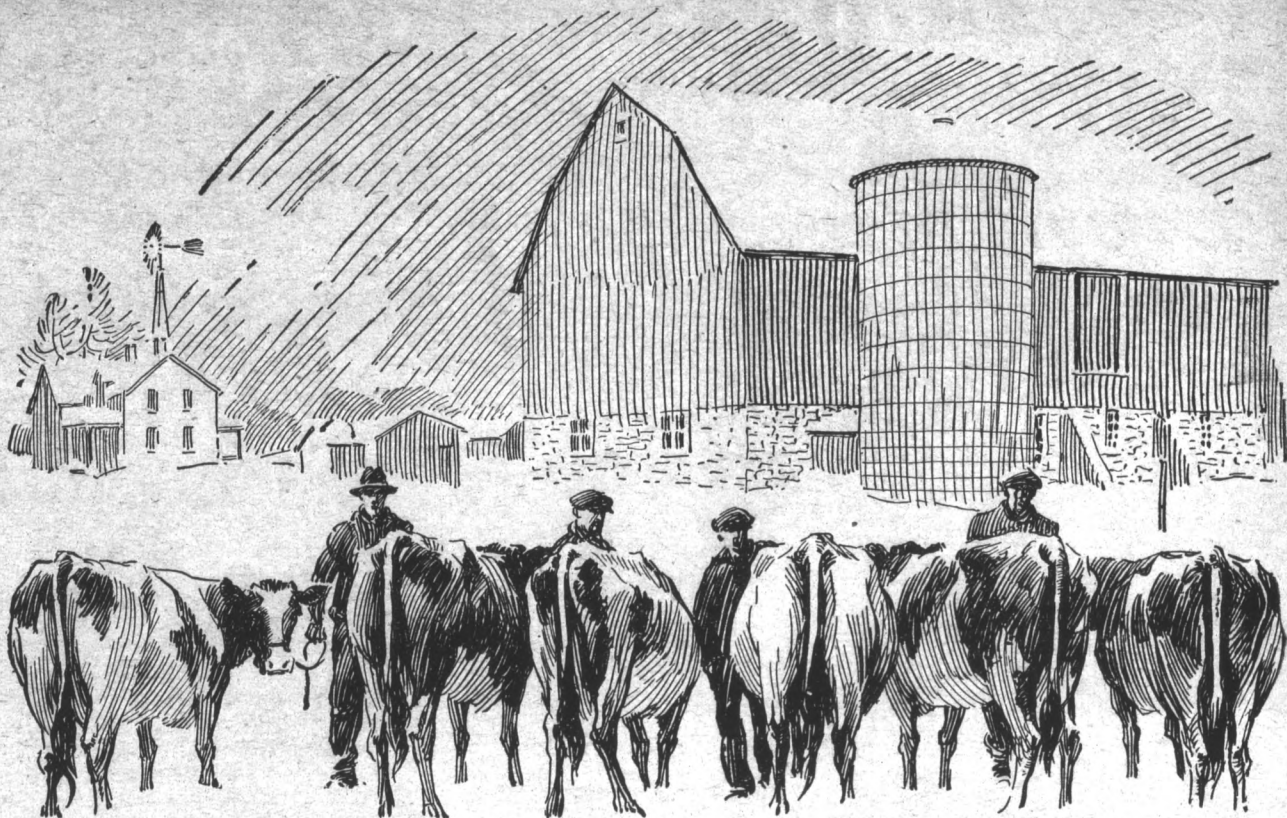
IT will be possible to secure a greater income, or satisfaction, from the farm garden this year if the discovery of western farmers is generally adopted. These farmers plant the seed directly in the field and then cover each hill with a specially prepared reinforced wax paper cone to protect the plants from frost. Soil is banked around the edges of the cone to hold it down firmly. This acts like a hot-house. When the plants begin to grow a hole is made in the cone for ventilation. Rains do not injure the effectiveness in any way. One man can place as many as 3,500 per day. Several million of these were used last year in thirty-eight different states.

COUNTY NEWSPAPERS COOPERATE.

COUNTY weekly newspapers are, in many instances, leading a helping hand in the propaganda for cow testing, by printing the reports of the testers of the various associations. The Genesee county board of supervisors endorsed the tuberculin test plan two years ago, and it is working out splendidly.—R. H.

An additional 4,000 pounds of pyrotol have been stored at the Bremmeyr-Bain magazine near Petoskey. Farmers of Emmet county have already ordered 1,200 pounds of this explosive for use in the spring.

THIS HERD WON A \$1,000 AWARD FOR GOOD FEEDING



Farm and winning herd of W. J. Schimmelpfenig, Marshfield, Wis.

"We fed the *right feed liberally*" And Mr. Schimmelpfenig's profit went up 43%

WHEN W. J. Schimmelpfenig got a new manager for his dairy farm at Marshfield, Wis., last March, his herd of 19 Holsteins got a new ration.

Peter Bushman, the new manager, talked enthusiastically about Corn Gluten Feed. He had fed it for 16 years. So, the next day after he came, a load of it arrived at the Schimmelpfenig barn.

The records of the Marshfield Cow Testing Association take up the story here. From April 1 to October 1, 1926, six high cows produced 53,732 pounds of milk. They ate a grain ration of which 39% was Corn Gluten Feed (see ration).

Compare the two years

Now look at 1925. Five of the same cows were in the herd. A sixth, the high cow of that year, is added to make a fair comparison. These six cows produced 38,638 pounds of milk. They ate home grown grains largely,

with small amounts of concentrates. "Stump" pasture both years.

Thirty-nine per cent more milk in 1926; 43% more profit! For this record, certified by the official tester of the association, Mr. Schimmelpfenig was awarded first prize of \$1,000 in the contest conducted by the Associated Corn Products Manufacturers to encourage better feeding.

Good feed, good feeding

"We fed the right feed liberally," says Mr. Bushman.

There is much meaning in those words. This herd was not superior in productive capacity to thousands of others. It was fed Corn Gluten Feed *liberally*—before pasture came and *with* pasture.

In the great dairy sections of the United States liberal feeding of Corn Gluten Feed is paying high returns. Test Corn Gluten Feed, for results, in your herd. Your dealer can supply you.

THE RATION

Average ration for 6 months of 1926

Corn Gluten Feed (39%) . . . 300 lbs.
Oats 170 lbs.
Oil meal 100 lbs.
Corn 100 lbs.
Barley and oats 100 lbs.

THE RESULT

(the six cows)

	1925	1926	Increase
Milk	38,638 lbs.	53,732 lbs.	15,094 lbs.
Profit over feed cost	\$524.23	\$751.36	43%

CORN GLUTEN FEED

ASSOCIATED CORN PRODUCTS MANUFACTURERS
208 So. LaSalle St., Chicago, Ill.

The most outstanding industrial accomplishment since the war

Thus does Hon. Herbert C. Hoover characterize the achievements of the American railways since 1920 in the Annual Report of the Department of Commerce for 1926. In this report he says:

"Probably the most outstanding single industrial accomplishment since the war has been the reorganization of our American railways.

"Our transportation . . . had suffered from chronic car shortages and insufficient service not only after the war but for many years before.

"The annual loss from this periodic strangulation in transportation was estimated in the department's annual report of 1925 to amount to hundreds of millions a year.

"The insufficiency of transportation interfered with steady industrial operations, created intermittent employment, increased the costs of production and, through periodic strangulation, caused high prices to the consumer.

"Manufacturers and distributors were compelled to carry excessive inventories as a protective measure, thus not only increasing the amount of capital required in the business, but multiplying the danger of loss by price fluctuation.

"The railways, during the past five years, not only have built up adequate service and given a complete correction to these ills, but they have, by great ability of their managers, greatly reduced transportation costs and thus made rate reductions possible which would not have been otherwise the case."

New York Central Lines

Boston & Albany—Michigan Central—Big Four—Pittsburgh & Lake Erie and the New York Central and Subsidiary Lines

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New York Central Station, Rochester, N. Y.

La Salle St. Station, Chicago, Ill.

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466 Lexington Ave., New York, N. Y.

68 East Gay St., Columbus, Ohio

When Writing to Advertisers Please Mention
The Michigan Farmer



SAY "BAYER ASPIRIN" and INSIST!

Unless you see the "Bayer Cross" on tablets you are not getting the genuine Bayer Aspirin proved safe by millions and prescribed by physicians for 25 years.

DOES NOT AFFECT THE HEART

Safe

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

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

OUR SERVICE DEPARTMENT

Always Give Name and Address When Sending Inquiries as Satisfactory Service Cannot be Given to Unsigned Letters

WITHOUT SECOND HUSBAND'S CONSENT.

I have some property left me by my first husband. I have a chance to sell this property at a profit, and my second husband is trying to persuade me to give it to him. Can he hold any of my property?—E. N.

The property may be sold without the signature or consent of the husband.—Rood.

NOT PROBATE JUDGE'S FAULT.

Eight years ago I gave probate judge heirship property to put through court. As yet, he has not done anything about it, and now the property is up for sale for back taxes. Can a judge hold property so long without settling? What about the taxes?—A. D.

The probate judge is under no obligation to put any property through the court. His duty is fully performed when he passes upon questions brought before him by persons instituting the proceedings and following them up according to law. If the taxes are not paid according to law, the land is sold for the taxes. This has nothing to do with the probate proceeding.—Rood.

AN INHERITANCE PROBLEM.

If a widower and widow, each with property and children by a first marriage, are married, what dower rights does the husband have in the wife's estate in case of her death? What dower rights does the wife have in the husband's property? Would a mutual agreement, previous to marriage, to waive all dower rights, secure the children of both husband and wife by their first marriage, the right to have them (the children) inherit the property?—S. R.

So far as the real property is concerned, the wife would inherit one-third from the husband. The husband would inherit nothing from the wife. So far as the personal property is concerned, the wife would take one-third of the husband's and the husband one-third of the wife's. In order to bar dower by agreement, it must be in writing made before the marriage, and secure to the wife at least a life estate in real property.—Rood.

EXEMPTIONS UNDER GARNISHMENT.

May I hold goods, or may I garnishee wages to satisfy the amount of house rent due? What would be the cost and the necessary steps? There was only a verbal agreement to pay a small sum per month. I renewed the note to a person living at a distance. The party never returned the first note, claiming it is lost. Could I ask for a writing which would clear me of the responsibility of the first note? How would such a writing have to be worded to be effective?—E. R. G.

Sixty per cent of the wages of the householder are exempt to the extent of \$30. Household goods are exempt to the extent of \$250, tools of the trade to the same amount, one team, two cows, five hogs, and ten sheep are also exempt, most other property is liable to execution. Suit may be brought in justice court for the rent and the wages taken by garnishment.—Rood.

LOCATION OF ROADSIDE STAND.

I have a roadside stand in the form of a table 4x8 feet in size, thirty inches high, located in front of my house on the farm. I have it placed on a line with the roadside trees and telephone poles. A man from the highway department notified me by word that I must move the stand back thirty-three feet from the center of the road, or about eight feet back on the line of trees. This would make my stand about fifty per cent as good as it is. There is plenty of parking space off of the road for cars stopping at my stand. The highway department man also said the same thing would have to be done to signs that I have out in

both directions reading, "Fruit 300 Feet." This road is straight for two miles in one direction and one mile in the other at this point. Can they compel me to move?—A. H. W.

It is not believed that, under the circumstances, the highway commissioner can compel removal of the stand. The owner of the abutting land has the right to use the highway for every purpose that will not interfere with public travel, and what is an interference is a question of fact to be determined in each particular case. In Clark vs. Lake St. Clair and County, 24 Mich. 508, the highway commissioner tore down an ice house encroaching into the highway; he was sued by the owner, judgment recovered for damages done, and the judgment affirmed on appeal; because the highway commissioner failed to show that the ice house interfered with public travel. In Beecher vs. People, 38 Mich. 289, complaint was made against Beecher for building an elevated passageway across a public alley. He owned the land on both sides; the passageway was about fifteen feet above the ground. Conviction was quashed, because, in the language of the court: "In the present case the court did not find in fact that there was an obstruction, but decided it as a question of law—which it is not in most cases, if at all."—Rood.

RIGHTS AT TERMINATION OF LEASE.

I rented a farm for three years, which time expired last fall. I, thinking I could hold the farm for another year, put out some fall crops last fall. May I hold my share of the crop, or can owner claim all, or more than his share? What rights have I? What rights has the owner?—G. W. G.

A tenant has no right to the crops not harvested before the end of his term. It is his own folly if he plants crops he cannot harvest.

Radio Briefs

THE report of the National Radio Coordinating Committee has been referred to Congress to help straighten out the radio muddle which now demands immediate remedy. Among other things, the report recommends duplex control, recognition of stations' priority and service rights, and not less than five-year licenses, providing that the licensee is operating his station regularly and properly.

The opening program of the Victor Talking Machine Company on January 1, inaugurated a new chain of the National Broadcasting Company, with WJZ as the "key" station. The chain is known as the "Blue Network" and will allow simultaneous broadcasting from WJZ through WBZ, KDKA, and KYW.

Engineers who have gone out to eliminate interference between stations WGES and WGN report: "In nine cases out of ten we find the antenna system is at fault. Most antennas are entirely too long. We find aerials up to 175 feet in length in use. We suggest about thirty feet, including the lead-in, and very seldom more than fifty feet. We recommend the use of two antennas with a switch, one long one and one short one; the short aerial for selectivity and the long one for distance. A set using a circuit similar to the Bremer Tully, with a variable antenna coupling can be made much more selective by loosening the coupling on the antenna circuit."

WILL PLANT TREES ON IDLE LAND.

FARMERS and business men of northwestern Michigan are becoming much interested in the profit which can be derived from planting mixed stands of pine and spruce on land which is now idle, according to the statement of W. C. Cribbs, special extension representative. The trees are planted in mixed stands and the spruce is harvested in from seven to ten years. The returns from the sale of the spruce, which are sold for Christmas trees, gives the land owner a profit and there is a stand of pine left on the ground.

Mr. Bacon, a banker at Lake City, will set several thousand trees on a ten-acre tract south of Lake City. Thomas Buell, of Elmira, will plant 8,000 pine and spruce next spring, and he may increase this planting to 110,000 trees. These blocks of trees will be set along trunkline highways and the men who are planting the pine and spruce believe that the growth of the trees will add much to the scenic beauty of Michigan.

This state is called upon to supply Christmas trees to the trade in Indiana, Ohio, parts of Illinois, and there is an immense demand for the trees in our own state. One company in Grand Rapids sold 150,000 baby Christmas trees last year, and this year they could not secure trees enough to meet the demand. The company now intends to secure land and plant spruce to insure themselves of enough trees to supply their trade.

One attraction of this method of putting idle land to work is the fact that the labor cost of growing this crop is very low. After the trees are set, very little attention is needed until the trees are ready to harvest. The crop does not spoil if the weather is bad, nor does it have to be harvested in any one year.

TOWNSHIPS PICK COMMITTEES.

EIGHTEEN farm bureau members of Newfield township, Oceana county, met recently at the home of Mr. Archie Himebaugh, north of Hesperia, and elected a township farm bureau committee of two men and two women to work with their local minuteman, Mr. Frank Darlington. Those elected were R. W. Robotham, William Enderle, Mrs. Archie Himebaugh and Mrs. Robert Jones. Mr. Darlington is chairman of this committee.

One purpose of the township committee will be to acquaint farm bureau members with the various business, legislative, and traffic services which the organization offers. Newfield is one of the more sparsely settled agricultural townships of the county. The function of the township committee in solving local school, church, road, and other community problems was discussed by County Agricultural Agent Carl Hemstreet.

239 WOMEN ENROLLED IN ST. CLAIR COUNTY.

THAT the farm women of St. Clair county are interested in the clothing project as outlined by State College specialists, is indicated by the following report* of Miss Carrie C. Williams, clothing specialist: Interest in the clothing project in St. Clair county has increased sufficiently this year to justify the spending of two days of the specialist's time in the county each month. Training meetings are held at St. Clair and Capac. Sixteen and fourteen leaders are enrolled at the two centers mentioned. Attendance lacked one of being 100 per cent. The absent leader was ill and was in the hospital. Two hundred thirty-nine women are enrolled in the project in this county.

Two hundred seventy-five farmers attended the meetings held during the dairy-alfalfa campaign in Muskegon county.



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excellent for tying a halter to a post—just one of the dozens of knots, hitches, and splices fully described in the new H. & A. Booklet, "More Jobs From the Same Rope."
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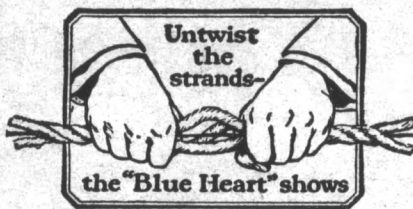
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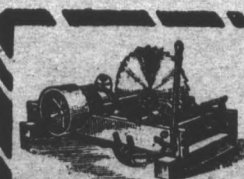
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SUCCESS AS TENANT FARMER.

(Continued from page 59).

ding to the fertility of the fields. At the time of our last visit, forty-three Herefords were eating alfalfa hay. They were making good gains. The usual method of fall feeding of cattle is to give them the run of standing corn. In the barn they are fed silage, clover and alfalfa hay, and a grain ration of corn, oats, and cottonseed meal. The oats are ground on the farm by wind power and the corn is crushed, cob and all. The steers are fed from four to six months.

While the feeder cattle are purchased from outside the farm, the pigs are all raised, six brood sows being kept. These are pure-bred Poland Chinas. A pure-bred boar is also kept. The ration for the hogs is compounded from corn, oats, barley, cooked beans and skim-milk. With these feeds and pasture, Mr. Langdon is able to secure satisfactory growth and a good finish when the time comes for the stock to move to market.

The dairy herd consists of about a dozen head of pure-bred Holsteins. Of these, seven are milch cows and the remainder young stock. The feed for the cows comes from the farm. Silage and legume hay furnish the roughage, while the grain mixture is made up of oats and corn, with a little concentrate added to increase the protein.

About eight years ago, Mr. Langdon planted two acres of waste land lying in a corner beyond a creek, to pine trees. These trees were placed seven feet each way and scarcely one failed to grow. They developed fairly uniformly, although those on the better soil show substantially larger growth. Many of these trees are now fifteen feet high and measure four inches in diameter at the butt. The soil here is sandy and gravelly loam. In the opinion of Mr. Langdon, the growth obtained on this land will pay out a reasonable rent.

On this farm the winters are productively employed. Much of the time is devoted to the live stock. Cutting wood for both the tenant and the owner requires a good many days. Wood for the sugar bush is also needed. In the late winter and early spring, the sugar trees take a deal of time.

The construction of crates, grading and testing seed corn, preparing seeds needed for the spring planting, repairing tools and buildings, these are other duties which keep this tenant on the job.

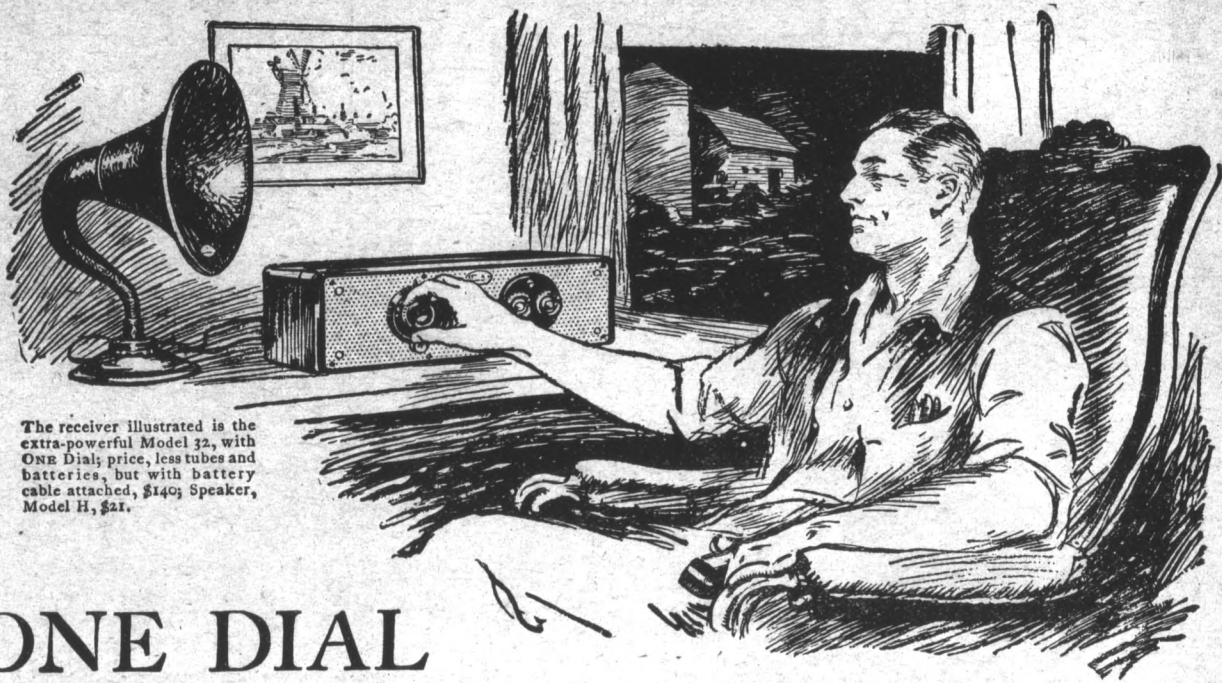
Mr. Langdon says that weeds cause one of the big losses on the average farm. They occupy ground that should be growing crops. They interfere with cultivation and require time for fighting. Every effort, he believes, should be made by the farmer to keep them down. He has on his premises a small patch of bindweed. It is most persistent. In spite of being dug up root and branch, the plant continues to live on. It was brought to the farm by a threshing machine.

The Langdon's have a fine home. It is modern. This home is built on forty acres recently purchased. In it is found practically every modern convenience. Running water is provided by an automatic pump operated by electrical power from a farm plant. This plant also furnishes light and other electrical service about the home. The house is heated with a furnace, and the sewage is disposed of through a septic tank. The porches are of good size and are screened in. The sleeping quarters are up stairs. A bath room adds to the comforts. As will be observed from the illustration, this home presents an attractive appearance. It is well located as to elevation. Shrubbery and trees, although not fully developed, add beauty to the excellent lines of the house.

In the living room is a radio and piano. The radio furnishes an abundance of entertainment as well as much information, particularly market re-

(Continued on page 70).

ATWATER KENT RADIO



The receiver illustrated is the extra-powerful Model 32, with ONE Dial; price, less tubes and batteries, but with battery cable attached, \$140; Speaker, Model H, \$21.

"ONE DIAL —just what I was waiting for"

"I WAS minded to buy a radio set, but those I had seen were too complicated. My wife and I didn't want to fuss over a thing that looked like the dashboard of an automobile. We didn't want *work*—we get plenty of that. We wanted to *listen*."

"Well, a couple of weeks ago, over at a neighbor's, we found what we were looking for. It was one of those Atwater Kent sets, with only ONE Dial. It looked simple, and was simple."

"When I got my fingers on that ONE Dial, it seemed as if I could go anywhere. I heard a lecture, a fiddling contest and a band concert in the first ten seconds—just by turning that ONE Dial. The band concert suited both families, so I let go the dial and stayed with it until they signed off."

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from Des Moines. All we had to do was to shift the ONE Dial.

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That's what a Middle Western farmer told us. It's the same sort of story we are hearing from farmers everywhere. If you thought Radio was complicated—try your fingers on an Atwater Kent ONE Dial.

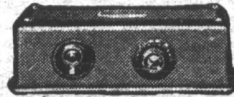
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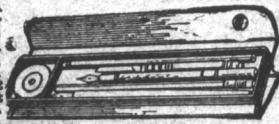
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SUCCESS WITH EVERBEARERS.

(Continued from page 61).

out when he sold and gave some of the plants to neighbors, and the wonder spread like wildfire.

The writer was fortunate to obtain some of the Mastodon plants three years ago and has been growing the variety under garden and commercial culture since. The first two years, the new variety was grown alongside of five other leading everbearing varieties and each year it proved so superior in the production of more quarts and larger berries, that the other varieties were discontinued in last spring's plantings.

In the spring of 1925, 100 Mastodon plants were set in the garden in a double row. The rows were spaced eighteen inches apart, and the plants set alternately in the rows so they did not come opposite each other in the double rows, goose-track fashion, so to speak. To give them a good start, about one-half teaspoon of sulphate of ammonia was scattered around each plant three inches from the crown, and hoed into the soil. These 100 plants were given good care and all blossoms kept picked off for about sixty days after they were set in the ground, in order to let them get well established in the soil, and become strong and thrifty before they began to produce their big berries.

It takes about thirty days from blossom to ripe berry, so the first ripe berries were picked about the middle of July. By the first of August the 100 plants were producing about three quarts a week of the biggest, best berries imaginable, and by the first week in September the yield was double and we had plenty of fresh strawberries for our table all during that month. The cold, cloudy days of October checked the yields, but ripe berries were found on the vines on Armistice Day. The heavy foliage was a great protection against frosts, and only severe freezing "got" the berries.

This summer and fall crop was not the end of the berries from these 100 Mastodon everbearing plants. This spring they bore a good crop of fine large berries. As high as four quarts of berries were harvested at one picking, supplying our family of five with all the berries we wanted for table use during the spring strawberry season.

After this spring crop was harvested, the plants were hoed and given another application of sulphate of ammonia (one-half teaspoon) with one teaspoon of acid phosphate per plant. They seemed to take about a six-week rest and then began to send out another set of blossoms which developed into ripe berries the first of September. These berries were not so large as those of the former two crops, but were of a fair size. This made three crops of strawberries from one planting within eighteen months after the plants set. This, with its ability to produce a large number of big berries which hold their size to the end of the season, makes the Mastodon excel as an everbearer.

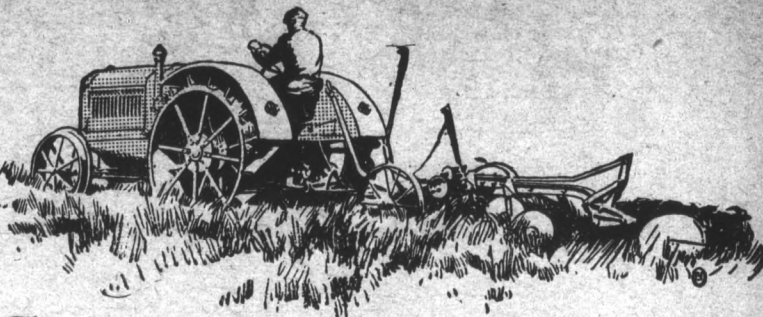
If Mastodon plants are set sixteen inches apart in double rows eighteen inches apart in a reasonably rich garden soil, and given plenty of plant food and water so they will always be fresh and thrifty, 100 plants will give the average family many dishes of the most delicious strawberries ever eaten.

Eighty-eight of the ninety girls in Hillsdale county who joined canning clubs last summer, finished their project. The average amount of food canned by these club members was 102 cans.

A demonstration which took place in Kalamazoo county on the Ezra Levin farm, showed that the muck and soil deposits above marl beds may be effectively stripped from these beds by the use of explosives.

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Two sizes, 10-20 h. p. for 2 plows, and 15-30 h. p. for 3 plows. Fully equipped, 4-cylinder tractors, with ample power at belt, drawbar, and power take-off.



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shortest possible time. After this experience they were ready for new and better power. There are thousands like these, too, who will recommend McCormick-Deering when you make your power investment.

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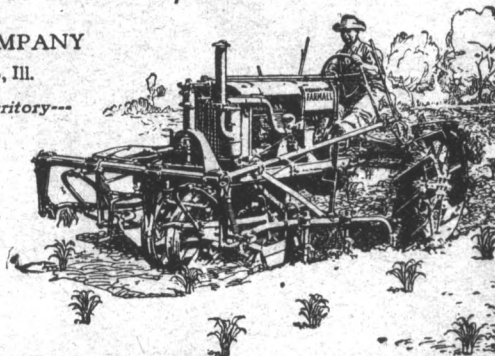
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Once Grown Always Grown



The Kingdom of St James

By Ben East

Author of "Michigan Mystery"

COMPREHENSION dawned slowly in the girl's eyes. "Then—you don't know," she whispered. "No one has told you?"

"Told me?" Shane repeated bewilderedly. "What was there to be tellin' me? I've come for you, that's all. To take you away, home with me, before the storm breaks that's brewin' here."

The girl's head drooped suddenly, and she broke into tears.

"Oh, Shane," she sobbed, "God pity us! I can never go home with you, never! There is between us a barrier too dreadful to name!"

Shane came close and would have taken her in his arms again, but she put him away, holding back the sobs that choked her.

"You must not," she whispered, "and you must be brave—for Dennis McCraggen's sake!" She breathed the name again, softly, tenderly. "Dennis McCraggen. Sons of the crags of Donegal." Then after a time she said softly, "Go home Shane. Ask Dennis who Neal Harris was. You know him as Brand Carter, but that is not his name. And Shane—be brave, for Dennis will tell you things about your mother that may rock the soul of even a strong man!"

Shane stood, too mystified to speak, and then pride blazed again in Barbara's eyes and she raised her head and looked levelly at him. "Tomorrow is my wedding day," she said quietly. "I am marrying Blair Carter. At least he prefers me to a squaw. You need not come for me, even if Dennis wants me, for you will be too late!"

She turned before Shane could speak and was gone, running away from him down the path toward St. James. Shane stretched out his arms after her and called to her in the darkness, but there was no answer and he was too stunned by what the girl had told him to think of following her just then.

Neither of them had seen the ill-shaped boy that stood beside Barbara, flinch at her words as at a blow. Neither saw the fury blazing redly in his eyes as he went away down the hill after the running girl.

It was a strange scene enacted between Shane and Dennis in the pale light of dawn that morning. Shane, still uncertain and confused by all that had transpired, and weary from the long hard journey and sleepless night, put his question without preface.

"Denny," he asked, "Who was Neal Harris?"

The color drained from the older man's face, leaving it a gray mask in which the eyes burned like living embers.

His withered old body shook suddenly as if with palsy and he turned slowly away from Shane, his clenched hands uplifted. Then there poured forth from his ashen lips a terrible slow sequence of livid curses.

When he turned finally to face Shane, his first words fulfilled Barbara's prophecy.

"Shane," he said slowly, in a voice dreadfully low and calm, "In the language of the people along the Galway coast there is no second word for adultery. Your mither was guilty of it."

Shane recoiled as from a blow, but Dennis went mercilessly on.

"Whin a man is havin' to say that about the mither of his son, he's not forgivin' her—iver! But there's another I hate more than her. Where is this Neal Harris you're askin' me of? Do you know that, Shane?"

Shane nodded. "He's in St. James," he said.

"Then we'll be goin' to St. James this night," Dennis said in the same low, terrible voice. "I've an errand there that's waited a score o' years!"

He dragged his crippled legs across to the window and stood silent for a long time, staring out beyond the white sand of the beach, across the water, rose-tinted in the light of early

morning, to where the low blue line of Beaver Island lay on the bright breast of the lake, hazy with distance.

"Islands," he said at last, not speaking to Shane. "They're the loneliest places on the earth. Layin' out there on the water an' beckonin' to a man. It's hard to get to, they are, an' it's harder to leave. No place for a man to be runnin' to, an' no place for him to be hidin'. It's fair I should be findin' Neal Harris there! Life's been none too aisy these years, but I'll not be cheated this time!"

He turned slowly to Shane, standing motionless beside the table.

"It's not so long a story, Shane," Dennis said quietly. "I'd sooner be turnin' a knife in my own flesh than to be speakin' of it, but you've to know some day, an' I'd as well be tellin' you now." He motioned the boy to a chair,



dropped down wearily himself upon a bench that ran along the wall.

"It was twenty-three years ago, Shane," he began. "Mid-winter whin this man Harris came to our house. You were two then. A missionary from the Mormons he said he was. My old mither was first to be comin' under his spell. He cut a hole through the ice on a little lake behind the barn, and he called it baptizin' her. I begged and pleaded with her, but it seemed like she couldn't listen." He paused, turned to the window again. "She died of pneumonia next wake," he said after a pause.

"That was in Oakland county," he went on slowly. "I was lavin' right after that for a spell in the lumber camps. Whin I got back this Harris had left—" torture lined the old man's face at the memory—"and so had your mither! She left me no word. You were at a neighbor's, an' they told me she had gone with him."

Dennis McCraggen had slumped forward in his seat as he finished, and silence fell upon the room. Shane broke it finally in a low voice filled with pity. "So that was my mither," he said. "What was she like, Denny?"

The old man looked at him, his lips working silently for a long minute before the words came. "There's no words for her Shane," he whispered at last. "Lauretta O'Heare her name was, an' there was North o' Ireland on her tongue an' in her eyes! An' her hair lad—'Twas like new copper in the sun!"

He put his head down upon his hands and a groan was wrenched from between his drawn lips.

"She'd have borne me a child when spring come Shane," he whispered. "That's why I've been hatin' her so all these years!" He raised his head suddenly. "But if I've been hatin' her," he cried, "how much more I've hated Neal Harris! An' now the hour has come whin it's my turn, like it was his that lither time! We'll be sailin' to St. James tonight, Shane. I've an errand that's waitin' there," he repeated.

Shane arose, crossed to his father and laid a hand on his shoulder.

"Denny," he said, "She bore you the child."

Dennis turned doubting eyes up to him.

"It's her we saw on the deck of the Kathleen Briggs the mornin' of the gale last spring," Shane went on. "It's her I've loved and asked to be my wife. And she's knowin' too," his voice broke, "for she sent me here to ask you who Neal Harris was!"

He turned away, and silence, heavy and oppressive, fell between the two men again.

CHAPTER X. Avenging Spirits.

THE sun sank in a strange cloud of ominous black on the night of Barbara's wedding, as though loath to cast his benediction upon a day

whose ending ushered in so unnatural an event.

Quietly without evidence of emotion, Barbara had told the man she hated that she would marry him. With the same dreadful lassitude she had gone swiftly about the affairs of that last day she would spend as Barbara Loar. Only once had she shown spirit. That was when Samantha, delighted at and reveling in all the bustle of preparation, all the distinction it afforded her, had exclaimed to the girl in a profusion of affection,

"Oh, Barbara, I'm so glad you have decided to marry Blair at last!"

Barbara had turned on her with quiet scorn. "Why do you care?" she asked coldly. "I am nothing of yours. It is no flesh of your flesh, spirit of your spirit I am giving him!"

Despite the preparations, despite the plans of king and sheriff and bridegroom and the quiet acquiescence of the bride, there was no wedding in St. James that night, for Lake Michigan raised a mighty and thundering hand to stay the bans!

It was as though some hidden God-dess of wind and water were in cosmic sympathy with the seething tumult in Barbara Loar's heart, had vowed secretly to prevent the sacrifice the girl could no longer save herself from.

The ceremony was to be held in the temple. All was finally in readiness and the great bell overhead sent its first peal rolling out over the silent reaches of lake and forest. In that instant there came from out the northeast a low menacing roar. The clouds banked there, already fearsomely black and high, took on a pallid yellow cast as from hidden source of evil light, and as the great bell sounded its third summoning appeal, the storm struck. A single vivid flash of blue light spread over sky and earth together, stabbing through the deepening dusk, there came a rolling crash of thunder, and then the furies of water and wind!

In the tabernacle the final preparations for Barbara's wedding went forward silently. There was none present but had been hushed to silence by the savagery of the gale.

In one corner of the big room Bar-

bara stood, a strangely pale bride, stern and quiet. Near her Blair Carter waited with his father, watching uneasily the silent, statue-like girl he was to marry, casting harassed glances toward the windows of the tabernacle where the gale seemed crying out its savage protest at this wedding.

Sam Loar stood watching the girl who was not his daughter, and suddenly, bargain or no bargain, he would have saved her if he had known a way.

"Blair is wrong to crowd her this way," he told Samantha. "No good can come from a wedding on a night like this, when the girl is marryin' a man she hates!"

Meanwhile, outside there crouched beneath a window of the tabernacle a bent, distorted figure. Vainly the rain drove at it. Unavailing the storm whipped the branches of spruce and cedar overhead. This was mayhap the spirit of the storm itself, for it minded not a whit the storm's bitter fury!

An avenging spirit, too, one would have said, for across the knees of the crouching figure lay a long-barreled rifle, and from time to time the figure lifted a thin, rage-blanching face and peered through the window. Rain sluiced in sheets down the panes, but the face was pressed against the glass for clear vision, and fierce hungry eyes watched all that transpired within.

A dozen feet from this window hung the bower of cedar branches under which Blair Carter would stand with his pale bride. A dozen feet—the long-barreled rifle could not fail at such a range as that!

Between Orphan Danny's feet Black Bonnie huddled, shivering with wet and cold, whining softly up at her silent master. For once he gave no heed, did not seem to know that she was there.

Meanwhile Aleck MacCray paced back and forth in his cabin on Garden Island, listening to the thunder of rain and wind and water, drinking heavily from his jug on the table, cursing Bobbie Burns, and mumbling invectives against the thief who had that day stolen his rifle from its hooks above the fireplace.

There would have been no wedding in St. James that night even had Lake Michigan not intervened.

Nor was Danny Dawson the only avenging spirit abroad in the gale. On the west shore of Beaver Island, Shane and Denny lay in the lee of their Mackinaw boat, beached high on the sand, waiting for the storm to blow itself out, for the sullen black seas to run down.

Halfway between Garden and Beaver, midway of the Narrows, had the gale struck them. In all those waters there was no stretch more treacherous than that in such a storm, no spot where the wind struck with more savage violence, where the broken seas heaped higher or more choppy. It was from this same sullen lane of fury-lashed water that the Bellarion had emerged that cold spring morning when Barbara Loar first sighted her from the reeling deck of the Kathleen Briggs. But the snow-laden storm that had whipped the lake that morning was no match for the savage blast that flattened the white crests of the waves this night!

The sails of the Bellarion ripped out like paper as the gale struck, and the rent canvas whipped about the masts in tattered streamers as Shane and Denny laid their oars in the tholes and struggled through the dusk toward the murky line of the shore. The seas had not made yet under the lashing of the wind, else they had never reached the beach. As it was, the boat was half swamped, an oar broken, and even the bare masts bent and straining before the wind when the keel grated on the sand and stopped.

The tattered remnants of the sail were down now, stretched tarpaulin

Activities of Al Acres—A Voice From the Balmy Southland.

Frank R. Leet



fashion over the side of the boat, to give what shelter they might from rain and wind. Within this shelter the two men huddled, grave-faced and silent. The errand they had come to do, the call they would pay at St. James, must wait. For them to go to the village now was to lay themselves open to certain capture, and defeat their own plan as well. There was no hope of their leaving the island while the storm lasted, and to let their presence be known before a clear avenue of escape lay before them, could have but one result.

Even this could not have restrained Shane, had it not been for Denny's counsel.

"It's her wedding night, Denny," the boy had urged. "She married Neal Harris' son tonight at dusk. She told me so herself, and warned me I'd be comin' too late!" He put his head down upon his hands. "She was right," he said slowly, "I am too late, even now."

"Shane," the older man said, "we may be too late for this night, but we'll not be too late when we come to St. James, this night or any other, for the thing I've been waitin' a score of years to do. We've more to think of than her, though that would be plenty by itself. Remember lad, she's mine, too. No matter what her mither did, she's mine, same as you. But I'm not spoilin' my chance at Neal Harris, even for her sake. He's to settle, an' then, no matter what she's done ayther we'll be takin' her home with us, you an' me." He sat for a long time staring out over the storm-harrassed Narrows. When he spoke again it was in a low tone, strangely subdued. "An' if it's costin' you lad, figure how much more it's costin' me!" He turned to Shane a face that burned white in the darkness. "Suppose, lad," he said, in a slow terrible voice, "I find Lauretta there with him. You have not the likes of that to fear. I've been waitin' all along for vengeance, just livin' for it, but now the time is over, I—I can't judge her lad! I'll be leavin' that to Someone better than us—an' I'm hopin' she's not at St. James whin I go there!"

"She'll not be, Denny," Shane promised him. "She's not there or I'd be havin' word of it."

All was in readiness finally in the tabernacle of the Mormons. The favorite of the king's priests came forward and took his place before the low hung bows of cedar branches.

"Cedar," Barbara had said, with a little quiet smile, when she saw it hanging there. "A tree that itself weeps."

Blair Carter moved forward awkwardly toward the place where he would await his bride. White now as the ghost-flowers of the northern wilderness that bloomed beside the temple walls, Barbara threw back her head with a gesture of defiance, glanced once at the throng of curious people that filled the tabernacle, and smiled ironically at the ridiculous dress of the women. This step she took tonight would make her a Mormon too, she realized, subject as were those others to the whim and command of the king. Then she started slowly toward the place where her groom awaited her coming, walking unshaken beside the man she had known as a father.

Outside in the storm the crouching figure at the temple window stirred uneasily, the long barreled rifle moved with the slow precision of a clock hand, upward, the muzzle cut a slow unwavering arc and came to rest, shoulder high, almost against the rain-blurred glass.

Then the door of the tabernacle was thrown open and an excited figure rushed in, scattering the crowd, panting out his message in incoherent words. Blair Carter sprang with the others, toward this newcomer, and the rifle against the window pane outside was slowly lowered, the crouching figure took up its grim vigil again.

The Mormon who had burst into the temple scrambled through the surprised throng until he stood before King Strang himself.

"Theres' two Gentiles landed on the west shore," he gasped out. "Their sails was blowed away and they rowed in. I watched 'em come to land."

"Are you sure of this?" Strang asked him in a stern voice. "You know the penalty for babblers in this holy place."

"Indeed I'm sure," the man insisted. "I saw 'em plain. There's two of 'em, a young man and an old. They are hidin' under their boat now." (Continued next week).

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Feeding For Eggs

Some Hints On Stimulating Winter Production

By R. A. Hill

THIS is the time of the year when every poultry keeper is trying to force his hens to fill the old egg basket. The fact of the matter is, there is too much forcing done. A great many people think that quantity of feed is the only thing a hen needs in order to make her lay.

We have always succeeded in feeding hens in heavy laying time, at thirty cents per hen per month, and we were buying every grain they ate. Figure out your feed costs at market prices, and if it's higher than that there is something wrong.

A hen will produce more eggs in eating one pound of grain than she has had to scratch for, than she will with two pounds fed on a bare floor or in a dish. A scratch feed composed of half wheat and half good, full oats, with twenty-five per cent of corn ad-

cover with hot water; let it stand for about one minute; pour off all the water and add sufficient dry mash to make it crumbly. The hens relish it and it is a means of reducing feed costs.

When feeding meat to hens, it is best to chop it up and mix it with the wet mash, especially meat that has been cooked, for, if the hens find a piece that has been laying around for three or four days it will poison them, resulting in limber necks.

If you see a hen going around in a circle, with her head twisted back over her body, you may rest assured that she has found a piece of stale cooked meat. Raw meat will not do this, but the eating of raw meat gone bad soon asserts itself when the eggs are used.

Don't feed the hens anything you would not eat yourself, on a good stiff bet. Don't feed too much—a good handful of grain twice a day per hen is sufficient. Keep the litter good and dry, and make them work for every mouthful of grain they get.

DOG MINUS CHICKENS.

"Any chickens to sell, sir?"
The man shook his head.
"I sell 'em myself, sir,"
"The Co-op," he said.

"Have you got very many?"
"Bout two hundred hens,
Besides forty-fifty
In the fattenin' pens."

"Is that a good watch dog?"
"You bet he is that."
If you want some rare rouble
Just run agin' Pat."

"How will you sell him?"
I need one that's gritty,
For watching my truck
When I park in the city."

"Ten dollars will buy him."
The truck driver "bit."
And with no dog around,
The poor farmer was hit.

For the very next morning
When he would feed his chickens,
He found in the night
They had gone to the dickens.

The henhouse was empty,
Completely—but that,
In the fattening pen
They had shut poor old Pat.
—Laura Blackmer.

COCK BIRDS OR COCKERELS.

We have a Leghorn rooster that was a year old in July, and we have been told that it is not good to have the same rooster for more than one year with the hens. We have forty hens.—J. O.

Poultrymen generally find that vigorous matured cockerels are apt to produce the highest per cent of fertility in the hatching eggs. However, if a male bird has been tested and found to produce fine quality chicks, it might be a first-class breeder during the second year, and better than a cockerel of unknown value. There is no definite ratio of mating males to females in free range flocks of poultry, but as a general rule, forty hens are too many for one Leghorn cock bird, and two or three male birds with the flock will give better results.

WINGS DROOP.

What is the trouble with chickens that let their wings droop? The sides bloat, sometimes on one side and some times on the other. When they are dying, they open and shut their mouths constantly. Please advise me what is best to do.—Mrs. H. S. S.

The symptoms might indicate a combination of troubles for which it is difficult to give a definite remedy. The gasping for breath might be caused by bronchitis, pneumonia, or canker around the windpipe, which is slowly suffocating the bird. Perform a post-mortem on the birds that die, and note the condition of the internal organs. This may give some clue to the cause of the trouble.

The drooping of the wings is often present when a bird is extremely weak from any disease. In the early fall many losses occur, due to digestive disorders caused by eating too much soft corn. Work the new corn into the ration gradually. And continue supplying plenty of growing mash or laying mash so the birds will not need too much of the new corn to satisfy their appetites. Also inspect the range and look under the colony houses to be sure that the poultry are not finding spoiled meat, such as a dead bird or other decaying animal material.

FEEDING FOR EGGS.

I have about 100 spring chickens that I am going to keep during the winter, and would like to know what to feed them and how much. I can get all the meat scraps that I want, and any kind of grain. Can potatoes be worked in a ration?—F. G.

A good home-made laying mash can be made of equal parts of ground corn, ground oats, middlings, bran and meat scrap. This mash is greatly improved

by adding two per cent ground limestone, two per cent bone meal and one per cent fine table salt. A good winter scratch grain mixture can be made of two parts corn and one part wheat. Equal parts of corn, wheat and barley will also give good results.

Keep the dry mash before the hens in hoppers at all times. Feed one-third of the grain ration in the morning and two-thirds at night. This encourages mash consumption during the day, and sends the hens to roost at night with full crops.

Green feed should be supplied each day in the form of sprouted oats, cabbages, alfalfa or clover hay, or trimmings like celery tops, when they are available. Mangels are a good succulent feed for hens, but can hardly be classed as green feed.

Cull potatoes are sometimes boiled and mixed with the dry mash and fed to hens in limited quantities. The potatoes are rather fattening and are really not a very useful poultry feed except in seasons when other feeds are scarce and potatoes very cheap. The potato does not rank very high as egg-producing feed, and most poultrymen do not use it in the ration.

BARRED ROCK WEIGHTS.

Could you tell me what a Barred Rock hen should weigh when mature? Can you set eggs from hens the first year. Could you tell me the name of a breed of chickens that would grow large quickly, as my trade for broilers is fine?—Mrs. G. L.

According to the Standard, the Plymouth Rocks of all colors have a weight of seven and one-half pounds for hens, and six pounds for pullets. Some hens of a laying strain may weigh less than the Standard, and still be very good hens, both for meat and eggs. As a general rule, the eggs from old hens produce the largest and most vigorous chicks, but very good chicks can often be produced from pullets.

Pullets that have laid a few eggs in the late summer and fall, and then moulted, usually produce about as good chicks the following spring as the year-old and two-year-old hens. Early in the spring there seems to be more difference in the eggs from hens and pullets than later in the hatching season. As the pullets become more mature they seem to produce eggs of very good hatchability, and the chicks are vigorous if other conditions are right.

If you are now raising Barred Rocks for broilers it will hardly pay to change to another breed. Barred Rock chicks mature quickly for broilers, the sexes can be told at an early age, and they bring top prices on the market.

REASONS FOR LEG WEAKNESS.

Our young pullets become lame, and some even lose power to hold up their wings. Some lie over on their sides. Most of them eat fairly when it is put near them.—E. K.

The reason for pullets having leg weakness or paralysis, is not thoroughly understood. It may be caused by intestinal worms, weakness in the breeding stock, the lack of a balanced ration, or a general lack of vitality that originated during incubation and brooding.

The only way of preventing this trouble is to give the flock the best possible management, which includes mash, scratch grain, green feed, and plenty of range for exercise. Two per cent cod liver oil in the mash is a help in preventing leg weakness. Sometimes a pullet about ready to lay shows signs of leg weakness, due to some oviduct trouble. The causes of this trouble are varied and the remedy not definite. It is responsible for many losses which we may learn to avoid in the future.

Discovery of a swarm of bees which had been making their homes in the sealing of the walls of an old Flint mansion led to the wholesale distribution of wild honey to passersby when the swarm was being evicted.

A Good Cold Weather Starter

Now More Dependable than Ever

Probably no single feature of Dodge Brothers Motor Car has been more widely talked about and commended than the power and promptness of the starter.

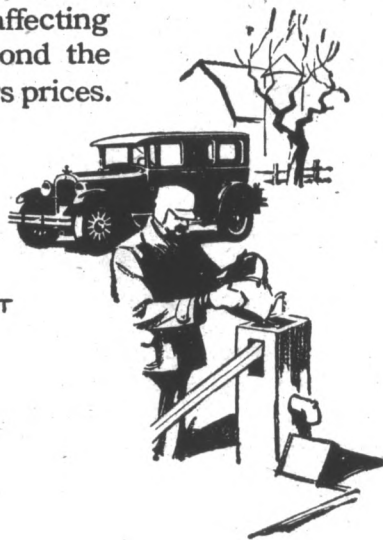
The new two-unit starting and lighting system now advances Dodge Brothers leadership in this important respect still further.

There are now no moving starter parts when the car is in motion—no starter chain—no noise—no wear. The new starter is even more **DEPENDABLE** than the old, and far simpler and more compact in construction.

Many other major improvements have been added during the past twelve months, all vitally affecting performance and increasing value far beyond the apparent measure of current Dodge Brothers prices.

Special Sedan \$945—De Luxe Sedan \$1075
f. o. b. Detroit

DODGE BROTHERS, INC. DETROIT
DODGE BROTHERS (CANADA) LIMITED
TORONTO, ONTARIO



DODGE BROTHERS MOTOR CARS

SILVER WARD SELECT CHICKS



10% DISCOUNT Send your order in now and save 10% on your Silver Ward Chicks. This offer is good for only a limited time. Avoid disappointment, get your chicks when you want them and, best of all, **SAVE MONEY.**
Mich. Accredited Chicks—Strains of Master Breeders. In buying Silver Ward Chicks you are assured that every breeder is a worthy specimen. 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, Sheppards, Anconas, etc., account for the superiority of Silver Ward stock.
Get this now, big free book.—We want you to get the full story of Silver Ward, its stock, its hatchery and its method of doing business. The big book tells all.

SILVER WARD HATCHERY
Box 29, Zeeland, Mich.



CERTIFIED ECKARD'S LEGHORNS TRAP NESTED

My Mich. Certified S. C. WHITE LEGHORNS, a grade higher than accredited, rank among America's best—I bred and raised the pen that, at the Mich. Egg Contest, made an average of 262 eggs per bird. I believe this record never equalled by a Mich. Breeder. Every chick and egg sold is produced on my own plant—no stock farmed out. All breeders individually examined and approved by inspector under supervision of Michigan State College.
ONE OF THE GREATEST VALUES EVER OFFERED.
We believe you can find the values we offer nowhere in America. No males used whose dams laid less than 240 eggs and that weighed less than 25 ozs. to the dozen. Granddam's record 200 and up. Several 300-egg records. Get our free literature and prices at once. I sell but one grade. Anyone can afford it.
W. C. ECKARD, 13 Madison St., PAW PAW, MICH.

WOLVERINE S. C. WHITE LEGHORN BABY CHICKS

Bred for Size, Type and Egg Production since 1910. All breeding flocks headed by males of known high egg production ancestry.
1927 FREE Catalog Tells All.
Send for your copy. Read about our matings in detail. Learn how you can have greatest success with poultry.
100% Live Arrival Guaranteed.
WOLVERINE HATCHERY & FARMS,
H. P. Wiersma, Owner, Zeeland, Mich.

BLOOD TESTED BABY CHICKS

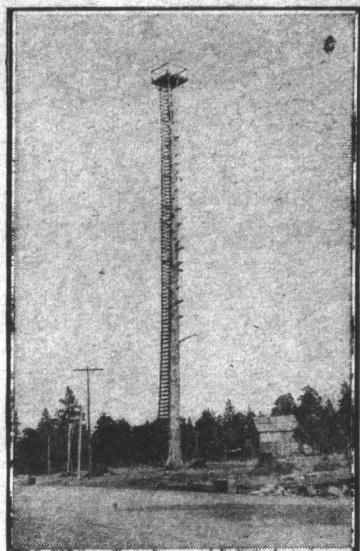
culled for vigor and heavy laying. Barred Rocks and Rhode Island Reds. First hatch Feb. 21st. Place your orders now. Write for catalog.

CARLETON HATCHERY, Carleton, Mich.

OSSEY 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. Ossege Hatchery, 21 Main St., Ottawa, Ohio

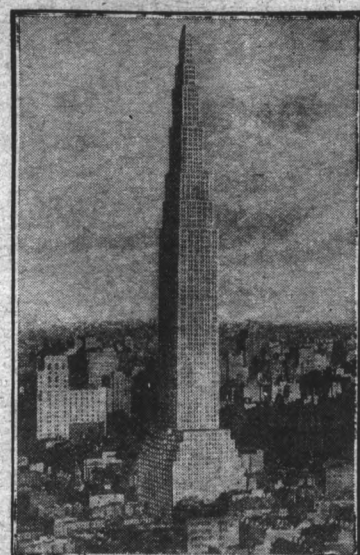
WORLD EVENTS IN PICTURES



This old pine, nearly 190 feet high, affords support for a fire-fighter's lookout tower in Oregon.



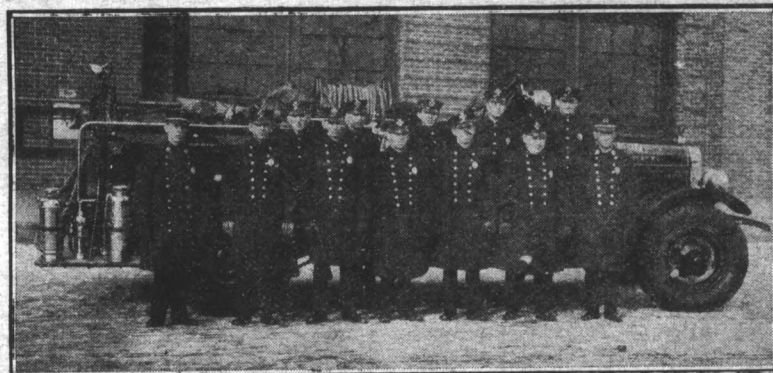
The U. S. Immigration Department is now carrying its war against alien invaders into the air. Planes like this one patrol the international boundary between the United States and Mexico.



Monumental super-sky scraper of 110 stories will be erected in New York at \$18,000,000 cost.



Ten United States army aviators will make a flight around South America. The plans were to leave San Antonio, Texas on December 20.



Brotherly fire eaters comprise nearly half of the fire department of Belmont, New Jersey. Five sets of brothers are represented in this group.



The motorcycle of today succeeds old Dobbin as skiers change their objective from distance to speed as demonstrated by this lass.



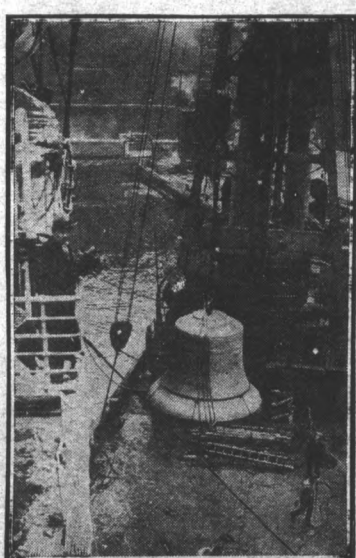
Czar Boris, of Sofia, Bulgaria, is the only bachelor king in Europe.



Clarabelle Barrett, noted woman swimmer, will try for Mr. Wrigley's \$25,000 by swimming the Catalina Channel.



"Murphy," an intelligent orang-outang, occasionally indulges in riding for exercise.



This bell, in Philadelphia, weighing 17 1/4 tons, is the most perfectly tuned one in America.



It appears that tigers do well on milk, too, for this dairy-fed tiger stands 100 per cent in health.



John Coolidge enjoyed horse-back riding while on his Christmas vacation at White House.

The Old Book

Our Weekly Sermon—By N. A. McCune

A YEAR ago, a copy of the Bible sold in New York for \$106,000 cash. One can think of some people in New York who might profitably read the Bible for their own good, who would not be obliged to pay that much for a copy. The one that brought so much was a copy of the Gutenberg Bible, the first to be printed in movable type, and is one of forty-five copies known to be in existence. Somebody seems to want the Bible. Let's look at it from two sides.

Thomas L. Masson, humorist writer, says that he read the Bible because it is a great time-saver, and makes so many other books superfluous. He mentions, among present-day notables who make (or made) a practice of reading the Book, Roosevelt, Franklin Lane, Lord Balfour, John Wanamaker, Lorimer, editor of the Saturday Evening Post (he reads the New Testament in Greek, as well as English), and President Wilson, who read a chapter each night before retiring. William Lyon Phelps says that, to know



who reads the Bible among the leaders of the world, copy down all the names in the English Who's Who, and then copy all the names in Who's Who in America, omitting only the clergy. But I have

known quite a few clergymen who read the Bible. Japan's millionaire philanthropist says, "I am a Confucianist. There are a lot of things about Christianity that I do not understand. But there are two things in your program that are outstanding and appeal to me. One is your Bible. One was given me years ago, and I have read some of it nearly every day since. It is the greatest book ever written. I wish there were a copy in every home in Japan. The other thing is the Sunday School where young and old gather to study this book."

But, there is the other side that we agreed to look at. This is not so pleasant. A Missouri professor got reports from two thousand high school and normal students of that state, with the following grievous results: Sixteen per cent did not know where Jesus was born, nor the name of His mother. Seventy per cent did not know what to call the Sermon on the Mount. Sixty per cent did not know what Christ said about loving one's neighbor. Twelve per cent did not know the first clause of the Lord's prayer.

It is comforting to learn that the high school pupils that had attended Sunday School regularly got an average grade of eighty-four in this examination, while those who had not, received an average of thirty-five.

At the University of North Dakota the results were similar. Eight and one-half per cent could not name a single book in the New Testament, and only thirty-three and one-third per cent could name the ten books of the New Testament. The New York Herald comments on this bit of amazing ignorance and says that youth will surely find the Bible again, adding that "the realism of the Bible is one of its sources of strength."

A lot of us are not descendants of those who came across in the Mayflower, and it is too late to remedy that defect in our ancestry. But we admire the Puritans, and what Puritan stock has meant to America. It was the Vitality of the Bible that made them strong. I have wandered up and down the cemeteries of old New England, as very likely some of you have, and read the quaint epitaphs. Here is a common one:

"Stop here, my friend, and cast an eye;

As you are now, so once was I;
As I am now, so you will be;

Prepare for death, and follow me."
It was a bit gloomy, the religion they had, but it was resolute and it stood every kind of weather. Nathaniel Mather mourns in late life that he whittled one Sunday. Sewell wrote in his diary that it was so cold that the sacramental bread froze on the plates, yet he adds, "It was a very comfortable meeting. Laus Deo!"

How are we to reproduce in our own modern way, and for our modern day, this same loyalty to principle? Well, for one thing, do what Tom Masson does—read the Bible. Read it. Read it regularly. Read it prayerfully. Prayers clear the mind, and gets it ready for the message of the printed page. Think about what you have read. Stop and think about some verse, and let it soak in.

SUNDAY SCHOOL LESSON FOR JANUARY 16.

SUBJECT:—The Christan's use of the Bible. Deut. 6:4 to 9, and II Timothy 3:14 to 17.
GOLDEN TEXT:—Psalms 119:105.



Begin Raising Two-Ton Litters

Read this statement as received from A. T. Sanders, Lancaster, Ky.

"You have read in leading papers of our World's Record two-ton litter of 12 pigs weighing 4323 pounds in 180 days, produced on our farms and fed on Letz-Dixie mixed feed. We now have 300 Big Type Poland Chinas being fed according to the 'Letz System of Home-Crop Feeding.'"

Write today for your copy of "The Feeder's Own Book of Facts," and read how 40,000 Letz-Dixie users have proved this simple feeding method yields two to four times the average pork, dairy or beef profit.

Letz Mfg. Company, 126 East Road, Crown Point, Ind.

LETZ-DIXIE MIXED FEED MAKER

What Thousands of Farmers Say the Letz-Dixie Will Do For You

- 1 Will increase animal production 15% to 30%.
- 2 Will require only 50% to 75% as much feed crops.
- 3 Will save 25% of your present labor cost.
- 4 Will release 25% to 50% more acreage for cash crops.
- 5 Will improve pork quality, increase the quantity, and shorten the period of pork production.



Mention the Michigan Farmer When Writing to Advertisers

Cheated myself

bought only on price—thought
I was saving money

BY A MASTER FARMER

I know now—I fooled myself for years on binder twine.

Last Spring I wondered if my cheap twine was really worth the grief it gave me. So, at harvesting time I tested out, under identical conditions, my cheap twine and (according to my dealer) the best twine on the market—Plymouth.

Had a crop of 104 acres to cut. We bound 52 acres with my cheap twine and 52 acres with Plymouth. It took 19 balls of my old twine and only 16½ balls of Plymouth to harvest exactly the same number of acres.

More length in each ball of Plymouth

The answer dawned on me! Although both twines averaged 8 pounds per ball and were tagged 500 ft. per pound—the Plymouth Twine lived up to its guaranteed length* and the cheaper twine ran 13% short. Plymouth's guaranteed length was actually saving me money by giving me several hundred feet more twine in every ball.

No breaks—no loss of time

Another difference surprised me! My old twine was knotty and full of thick and thin spots—broke and tangled as usual. Plymouth was free of knots, snarls and unevenness and didn't break once.

I decided then and there I'd quit cheating myself on poor twine. Plymouth twine for me—it's dependable! I can always count on its evenness, strength and guaranteed length.*

*Plymouth Twine is spun 500, 550, 600 and 650 feet to the pound. Look for guaranteed length on tag.

PLYMOUTH

the six-point binder twine

Made by the makers of Plymouth Rope

PLYMOUTH CORDAGE COMPANY, North Plymouth, Mass., and Welland, Canada



Plymouth—more economical:

the six-point binder twine

1. It's longer—full length to the pound as guaranteed on the tag;
2. It's stronger—less breaking, less wasted time, less wasted grain;
3. It's even—no thick or thin spots—no "grief";
4. It's better wound—no tangling;
5. It's insect-repelling—you can tell by its smell;
6. It's mistake-proof—printed ball—and instruction slip in every bale.



This milk can test has been made frequently. You can easily duplicate it—test Plymouth's strength against any other binder twine on the market.

Plymouth is last to break. Swings the greatest weight—the most quarts of water. Plymouth wins because it's stronger.



WOMAN'S INTERESTS



The Old Can be Made New

By Careful Planning Castaways Can be Made Into New Old-Fashioned Rugs

THE old can be made new—old, worn-out woolen, suits, trousers, and coats can be changed into the new old-fashioned rugs with but little work. And the coming long winter evenings afford a splendid opportunity for this sort of homemaker's job. The work is really fascinating, and once started, you won't stop until the attic is empty of all castaways.

Braided Rugs Easy to Make.

For all rugs, the material should first be washed thoroughly, pressed, and then cut into strips from one and one-half to two inches wide, depending upon the thickness of the cloth. The strips may be sewed by hand or machine, and one may either sew the rags of one color and wind into a ball before braiding, or sew the strips together as the rug is being made. One reader says that she prefers this method because it gives more variety while working. The strips are then braided firmly, turning in one-quarter of an inch at first, and then folding the edges together so no frayed threads show.

"My braided rugs always bulged in the center," says Mrs. F. M., of Genesee county, "until I laid them on the table wrong side up, while they were being made."

When sewing the braids together, it is best to take each stitch at right angles to the braid and pointing the needle toward the center. Pull the thread firmly each time.

In choosing colors for any rug, consider the room where the rug is to be used. A brown room could use a dark rug with a touch of blue or orange. An old red flannel petticoat or middle might be the means of brightening up an otherwise somber room. For bedrooms, rugs of cotton in lighter shades are good. It is best to get the darkest color on the outside border. Have a touch of the same shade in the center and you will then have a rug of good design.

Work Basket, Crochet Rug.

Cut strips of light cotton material, dye and crochet into squares, according to some pattern previously decided upon. These squares can be from five to twelve inches. When finished sew them together, checkerboard fashion. Crochet rugs made this way are less clumsy than when the entire rug must be worked upon.

Hooked Rugs Still Favored.

Secure a piece of burlap somewhat larger than the rug and mark on it, or stamp the design which you wish to follow. Out of strips of light wood make a framework to fit the piece of burlap you have selected. Turn under the edges of the burlap and tack it securely to the frame. Cut silk, wool, or cotton goods in narrow strips not over a half-inch wide. These do not need to be sewed together, but each color should be kept in a separate box or paper sack.

When starting to make the body of the rug, hold the strip of cloth under the burlap, (it is well to rest the frame on the backs of two chairs), reach through the threads in the burlap with a medium-sized crochet hook and pull a loop through to the upper side. This loop should be about one-quarter of an inch in height. Reach through and pull another loop the same height and repeat until the entire surface of the

burlap is covered with loops in the desired color.

The loops may be cut or uncut. If to be left uncut, the loops may be a trifle shorter. If the loops are cut, all the uneven ends should be evenly clipped.

How to Dye.

In coloring only a small amount of material, it is advisable to use the commercial dyes. When dyeing a large quantity of material, Mrs. W. G., of Saginaw county, follows this method for coloring brown: To ten pounds of rags take one pound of catechu and four ounces of blue vitrol. Dissolve these in water sufficient to cover the rags, and boil for two hours. Let stand over night, heat again in the morning to boiling point, lift the rags and let drain. Then boil the rags for fifteen minutes in a solution using four

gone through the yellow process until the right shade appears.

For blue: For six pounds of rags use four ounces of Prussian blue; two ounces oxalic acid. Make this all in one dye and heat as warm as the hands will bear, and then rub the rags in this until the right shade is obtained.

For green: Use the yellow process of coloring followed by the blue process. These formulas are good for either cotton or woolen material.

HANDY THINGS DISCOVERED BY READERS.

A LIMBER spatula is indispensable in my kitchen for scraping cake batter from the mixing bowl and removing cooked food from any container. I never knew how valuable a round seamless enameled bowl was until I

save washing so many dish towels as well.—Mrs. R. A. B.

I would not part with a handy little contrivance that I paid forty-five cents for fifteen years ago. I call it a vegetable slicer. It is a flat piece of wood not much larger than my hand. It has a handle, but the working part is covered with a corrugated piece of metal. On this I slice all kinds of cooked or raw vegetables and fruits, such as cabbage, potatoes, beets, cucumbers, apples, etc. It works quickly and is easy to keep clean.—Mrs. E. H.

Household Service

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

APPLE CAKE WITH COFFEE.

I would like a recipe for apple sauce cake, using coffee for the liquid.—Mrs. P. W.

The following recipe makes a very good flavored cake:

1 cup apple sauce	1 tsp. cinnamon
1 cup coffee	1 tsp. cloves
1 cup sugar (either kind)	2 tsp. soda
1/2 cup shortening	1 tsp. baking powder
1/2 cup molasses	1 cup seedless raisins

Cook chopped apples with a little sugar sprinkled over. Don't stew to pieces. One cup of apples is sufficient, or one cup of sweetened apple sauce. Bake one-half hour in moderate oven. This makes a large, moist loaf cake.

ANOTHER EGGLESS ONE.

This eggless cake can be made into either a layer or a loaf.

1/2 cup sugar	2 cups flour
1/2 cup cream	1 tsp. cinnamon
1/2 cup molasses	1/2 tsp. cloves
1/2 cup buttermilk	1/2 tsp. allspice
1 tsp. soda	1 tsp. lemon flavoring

Dissolve soda in water before adding to the buttermilk.—Mrs. M. E. R.

CAN YOU HELP?

I wonder if some reader can help me find the poem, "Nick Van Starr," which used to be in school readers forty years ago. I also remember my mother reciting a poem, "Miss Jones—a Spinster and a Burglar," but I cannot remember it.—Mrs. E. B. C.

I would like a copy of the poem, "Your Mission," by S. M. Grannis. It was Lincoln's favorite poem and was sung in Washington in 1864.—A. G.

Has any reader the complete words of these poems, or can you tell where they may be found? If so, please send a card to this department.—Martha Cole.

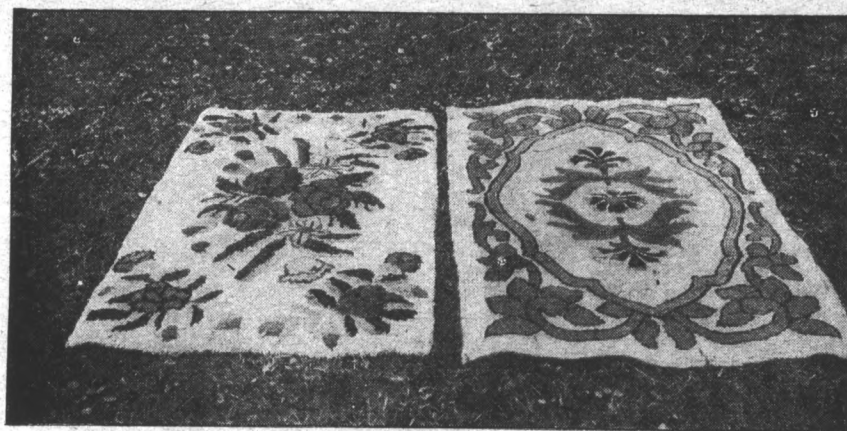
VEGETABLE CHOWDER.

Please tell me how to make vegetable chowder. The kind that I ate had tomatoes in it.—Mrs. L. K.

There are many combinations for vegetables in making chowder, but this one is a general favorite.

2 carrots	3 slices salt pork or
2 potatoes	bacon
2 onions	6 crackers
1 pt. tomatoes	2 qts. hot water
1 stalk celery	Salt, pepper to taste
1 sprig parsley	

Wash and prepare all vegetables, cutting small. Cook slowly in boiling water with the seasonings until well done. Panfry the bacon or pork for five minutes, and add together with all the fat, to the vegetable mixture while hot. Thicken with the rolled crackers or one tablespoon of flour. Cook slowly fifteen minutes longer.



These Hand-made Hooked Rugs Are Over Seventy-five Years Old.

ounces of bichromate of potash and three gallons of water. Rinse in cold water.

For yellow: Dissolve one-half pound of sugar-of-lead, and one-quarter pound bichromate of potash, each in separate kettles of cold water. Heat until hot and dip six pounds of rags from one to the other until the right color is obtained.

For orange: Use the same process as for yellow, then dissolve one and one-half pounds of fresh lime in two gallons of water, let settle and then pour off. Dip the rags which have

invested in one this summer. It has been in constant use every day since.—Mrs. L. A.

Nothing ever saved me more steps and backache than having water piped to a sink that was the proper height, and a high stool on which I could sit and prepare vegetables at the work table.—Mrs. L. C.

I thought a dish drainer was all silliness until I tried one, but now I know that it is silliness to go without one, for they are so inexpensive. They not only save time in drying dishes, but

Resolved by One Homemaker

THIS letter came a bit late, but even resolutions are better late than never, so I pass them on. If the writer succeeds in following these resolutions through to December, 1927, she will undoubtedly be a better mother, manage a better home, and be healthier and happier.

For the new year of 1927 I resolve to:

Have a window cut in the west end of my kitchen (even if I have to do it myself) to give better ventilation and more light.

Have my work table raised three inches higher to forestall the round shoulders that are becoming evident.

Take more time for reading and community activities that I may be a better companion for my two girls.

Remembering that overwork requires double time to recuperate, I will plan for daily rest and recreation, for

a disgruntled mother often makes a disgruntled family.

Dress attractively every day, even in the morning, and be mistress of myself as well as my household.

Plan the meals a week in advance, thus saving myself worry, and providing my family with a more balanced diet.

Plan my housework at least a week in advance to be able to accomplish more with less work and worry.

Keep a reminder pad handy to jot down needed supplies and things to attend to, and not tax my memory with these items.

Put home-keeping ahead of house-keeping. My family needs a cheerful spirit, guidance, and interest more than they need perfect cleanliness and fancy cooking. I will take daily rest and recreation, and somehow find time to read, and keep up with the world.—Mrs. B. F., Kent County.

Women Fill Community Purse

A BIRTHDAY party proved to be one of the most successful stunts both financially and socially, that our Ladies' Aid Society has put on for some time. It was held in the church parlor on Washington's birthday last year.

The following verse was printed on cards, and to each card a pretty silk bag was attached. The bags were made by the members of the Aid Society.

"At the church we're told
Refreshments and stunts for young
and old;
There'll be a grand march and a birth-
day cake,
We'll drop in these bags to help it
bake.

A penny a year till yours reaches fifty.
After that use discretion—we speak to
the thrifty;
If you're past ninety-nine, or out of
the city,

Send the bag by a friend—but, oh,
what a pity!
February 22, when the clock stands at
eight

Count up your pennies and don't be
late."

"These cards and bags were mailed to friends all over the country, as well as to the people of our own town, and those who failed to respond were few. I received nearly eight dollars for the cards I mailed.

A Table for Each Month.

We had twelve tables in the dining hall, each table being decorated to represent one of the months of the year.

A committee was appointed to decorate and serve at each table. Our guests sat at the table decorated to represent the month of their birth, and the search for their tables was the cause of much merriment.

The committee for each month was responsible for one number on the program. January effectively "broke the ice" with their number, which consisted of all the folks who ate at the January table. Each one carried a newspaper or magazine, and our popular bass singer carried a piece of cardboard with "Glass, Handle with Care," printed in red letters on the back. This group, with their pianist, solemnly marched up to the front and silently played a well-known hymn. At the end of the hymn, the pianist struck the Amen, which the chorus sang, but oh, what a discord it was! This stunt was just what was needed to start a very sociable evening. After the program, a grand march was played and each one dropped their little silk bags into a pretty basket that had been arranged to receive them.

This party was such a success that now that Washington's birthday is drawing nigh, we are being asked to try it again.—Mrs. C. I. M., of Dickinson County.

(This is but one of the prize-winning letters on how readers have worked out clever stunts to finance community activities. Other prize winners will appear later).—Martha Cole.



Twenty Tales From Timberland

Blinkey Misses His Supper

"WHOO-OOO-OO-O," hooted Blinky. Now, Blinky was none other than the big white owl that lived in the hollow hickory tree and when he hooted like that, it meant that he was hungry—yes, very hungry. Ever since the sun had gone to sleep behind the hills, Blinky had been watching for a stray mouse to come his way, but none had come.

Suddenly Blinky cocked his head to one side to listen more carefully. Yes, someone was coming. He sat very quietly, but rolled his big black eyes from the right, to the left. Through the trees he could see Skipper, the little red squirrel, hurrying as fast as he could to reach home before dark. Already it was getting late.



"Whoof, Whoof," Howled Frisky.

Blinky sharpened his long claws on the hickory limb.

"What a fine supper he'll make!" thought Blinky, and he spread his big wings ready to swoop down on Skipper as he came near. But from behind a bush nearby someone was watching all that was happening. It was Frisky, the fox. Frisky saw Blinky sharpen his long claws, ready to fly down and grasp Skipper in them and carry him off.

"Oh, dearie me, what can I do?" thought Frisky to himself as he saw what was going to happen. "I know what I'll do, I'll just surprise Mr. Blinky."

Blinky smacked his crooked bills together at the thought of the fine supper he would have, and swooped down on Skipper.

As Skipper came near the hickory tree, he spied Blinky. "Oh, dearie me," he said, and took to his heels as fast as he could go. But Blinky could fly faster than Skipper could run.

Just as Blinky was about to grab Skipper in his sharp claws, Frisky

jumped out from behind the bush where he had been hiding.

"Whoof, whoof," he howled, right in front of Mr. Blinky. Blinky was both surprised and frightened. He forgot all about the fine supper he had planned. Frisky was so big he didn't dare to attack him, so he just flew back up in the hickory tree. His big black eyes told how ugly and fierce he was.

At a safe distance Skipper thanked Frisky for saving his life and promised he would not be so late home again, and then they both hurried home as fast as they could go.

SUNDAY AFTERNOON CHAT FOR LITTLE FOLKS.

YOU have probably heard that in the banks of Japan there are many Chinese in places of responsibility, as they trust the Chinese more than their own countrymen.

The Jewish people must have been similarly trusted during their history for we hear of a young Jew who was a captive of the great Persian King, yet who was trusted to taste the food and wine before the King partook of it. He therefore took his life in his hands many times a day, for these oriental monarchs were bitterly hated and plotted against.

This young Jew—we always think of him as young because he was so enthusiastic—had many adventures and he has written about them in a fascinating book of the Bible. He heard from travelers of the sad fate of his country, and how the walls were broken down and the city was the prey of the surrounding tribes. His King granted him permission to go back, with authority to build the walls.

He was a very wise and efficient young man, and his methods were like our approved modern ones. He first investigated the situation thoroughly and also secretly. Then he made his plan. The building of the walls was made a real community undertaking, each family being responsible for a section. Like the Pilgrims of our own country, they worked with a weapon near at hand. The enemies tried treachery and proposed a conference in a neighboring village. This was the answer they received: "I am doing a great work and I can not come." In fifty-two days the walls were completed, "for the people had a mind to work."

Who was this magnetic leader? Look for the answer in next week's issue.

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THAT building is most economical that costs least to erect and maintain.

Make First Cost Your Last Cost by using California Redwood, which is impregnated by nature against decay.

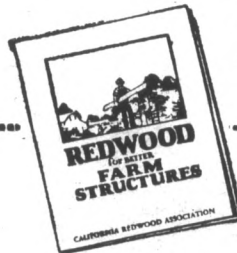
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52 Elizabeth St., New York City.

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Made to build New Business. A trial will make you our permanent customer.
PRIZE COLLECTION Radish, 17 varieties, worth 15c; Lettuce, 12 kinds, worth 15c; Tomatoes, 11 the finest, worth 20c; Turnip, 7 splendid, worth 10c; Onion, 8 best varieties, worth 15c; 10 Spring Flowering Bulbs, worth 25c. 65 varieties in all; worth \$1.
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All kinds of farming can be made pleasant and profitable in this Southland—a land of all-year growing season; of low-cost labor and living conditions; of ample home markets; of fine schools, churches and good neighbors. And fine farm lands in the South can be bought at moderate prices.



Full information will be sent, free, on request; but this Railroad cannot undertake to find employment for anybody. Write G. A. Park, Gen. Imm. & Ind. Agt., L. & N. R. R., Dept. MF-8, Louisville, Kentucky.



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BE COMFORTABLE—

Wear the Brooks Appliance, the modern scientific invention which gives rupture sufferers immediate relief. It has no obnoxious springs or pads. Automatic Air Cushions bind and draw together the broken parts. No salves or plasters. Durable. Cheap. Sent on trial to Mr. C. E. Brooks, 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.



Releasing man-power for the many other tasks, the STAR can always be depended upon to furnish ample water for all farm needs. Even in 8 to 10-mile breezes, you will find it on the job, day after day—for years.

Timken Tapered Roller, or No-Oil-Em bearings, running in oil, enable the STAR to get all the work out of light breezes, with a very small amount of attention. The famous GALVAZINK Coating, together with the fine mechanical features, means long years of perfect satisfaction.

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Two Farewell Letters

From M. C.'s Who Will Soon be Eighteen

I HAVE been thinking very deeply of a few things that concern this little old world very much, and I think you would be greatly interested.

Having read the Bible over and over, I am not a sophisticated fool, and I believe that all who may read this will have the same opinion.

Everyone knows, or should know, that in the child there is the making of this country. May the child have a few hardships and sorrows in order to know and appreciate love as God meant it, for otherwise it will come to nothing.

We are the windows through which the world looks. Let these be very clean. And please remember that God said: "Blessed are the poor in spirit, for theirs is the kingdom of heaven. Blessed are they that mourn, for they shall be comforted. Blessed are the meek for they shall inherit the earth. Blessed are they which do thirst and hunger for righteousness, for they shall be filled. Blessed are the merciful, for they shall obtain mercy. Blessed are the pure in heart, for they shall see God. Blessed are the peace makers, for they shall be called the children of God. Blessed are they which are persecuted for righteousness sake, for theirs is the kingdom of heaven.

"Blessed are you when men shall persecute you and revile you for my sake. Rejoice and be exceedingly glad for great is the reward in heaven, for you are the salt of the earth and the light of the world, and do not hide it. Let it shine before men, that they may see your good works, and always glorify your Father which is in heaven."

May I practice what I preach, for I am a Golden Circle member, but not for long now, as I will be eighteen very soon.

I would be very happy to know that I was of some use in the Circle of boys and girls to which I belong, but will soon leave.

May you remember me as Dolores, G. C.

THIS is my farewell letter to you, for next month I will be past the age limit. This really is my first letter to you. Although I have not taken an active part in letter writing, I have entered several contests and won one prize.

I think it would be a good plan to have the Golden Circles organized in some way, but still be Merry Circle, if only to have the page a few times a year, as the Home-comers do.

My best wishes are for Uncle Frank

and the Merry Circle. Uncle Frank has done a lot to make the page interesting to us. Besides, we make many jokes at his expense, but my opinion is that he enjoys them as much as we do. However, don't be too hard on your poor uncle.

Like graduates do, in leaving their will, I shall also. Mine will be mostly wishes and advice. I wish that boy—I can't remember who he is just now—



OUR LETTER BOX

Dear Uncle:

I am in the sixth grade, and eleven years old. I have gone to school for fifteen weeks and have not been tardy or absent.

In the morning I get up about 6:45 and make my bed. Then I set the table, clear up the table and wash the dishes. After breakfast I go to school. I get all my lessons and come home. I play until 5:30, then set the table,



George Bachman Looks as if he was All Dressed up for Sunday.

eat supper, and clear up the table and wash the dishes again. Then it is about 7:30, so I do anything I wish until 8:30, when I go to bed and sleep.

We have only four in the family. We have a Nash sedan, light plant, truck, and radio, too. We have ten rooms in our house. I go one mile west to school. I go about 8:30 and get there in plenty of time.—Your niece, Cereta DeVries, St. Johns, Mich.

You have done well to tell so much about yourself in a few words. You have a sensible daily program.

Dear Uncle Frank:

I was one of the boys who attended that banquet you spoke at. I enjoyed your talk very much.

I live three miles out of Bangor, and walk back and forth every day. I am a freshman and like high school very well. I have one brother and one sister who have graduated, and one brother a year ahead of me, and four sisters and one brother behind me, nine in all.

I was one of the boys who had a foster father at that father and son

the one that has won thirteen prizes, should win thirteen more if he has the stuff in him. His example should spur us on to greater efforts, for what one has done we all have a chance to do. When you take part in a contest, put all your best effort and energy in it; make it hard for Uncle Frank to choose the winners. I hope the Merry Circle will continue to grow in size and in ideals, that it may last as long as we do.

This is getting to be a rather long farewell letter, so I will close with good luck to all.—Your cousin, Frances Cosand, White Cloud, Mich.

banquet—Your nephew, Francis Hay, Lawrence, Mich.

I am glad you liked my talk. I bet I enjoyed that banquet as much as you did. You have quite a few brothers and sisters ahead and behind you.

Dear Uncle Frank:

Shouldn't we M. C.'s have some sign by which to recognize our cousins? One would find them in so many unexpected places if they just knew. I even saw you strolling around the girls' club rooms at the State Fair grounds once, and didn't know it was you until after you had gone. I have always regretted that. Let's discuss it anyway.—Your niece, Bernice M. Ball, Charlotte, Mich.

It would be fine to have some way to make oneself known as an M. C., but on cannot be making signs all the time. Let's discuss this Merry Circle sign matter, as Bernice suggests.

Dear Uncle Frank:

I agree with "Bleeding Heart," what he, or she, says about drunkenness, but nowadays, it is so common that one can hardly avoid it. I have more to write, but will close with a poem.—Ida Partola, Eben Junction.

Eben is a town, situated among the woods;
Go to two stores for your best goods.
It is west of Chatham, and Rumely is near;
There is one public school situated here.
Eben is a busy town and full of good workers;
All doing their duty, and not any shirkers.
Eben has two nice stores and one garage;
Where there's room for your Ford, Dort and Dodge.
Go to the Finn Hall for your best seat;
And to Co-op and Salmi's for your meat.
Go to the school library for your books;
And to the beauty shop for your good looks.
At the public school educate your brain;
At the depot catch the sixty-mile an hour train.
Go to Victor Hayry and the stores for your clothes;
And to the Finn Hall to see all your shows.

Of Eben's stores these are just a few;
There are many more just as important and new.
To this town of Eben, I make up this poem,
So the people may remember it wherever they may roam.

I am printing your letter and poem because we are going to have a contest on town poems, and I want the M. C.'s to see what they are like. Yours is good.

Dear Uncle Frank:

I thought I wouldn't say anything this week, but on reading of prohibition I just couldn't keep quiet. I do not agree with Herbert Houck, not a little bit. Vic's comment was very good.

Some boy, I don't remember just who, said there were more drunkards now than before the saloons were closed, but there are not. You hardly ever see a drunken person now, while before, it was a very common thing. I

Five Ways to Success

Dr. J. R. Mott Gives Suggestions Everyone Should Remember

I WOULD emphasize the following among the qualities which I believe, in the light of my observation along the pathway of world-wide journeys, will help you win the largest success:

1. Earnestness.
2. Steadfastness.
3. The wisest use of leisure time.
4. The determination to preserve the power of growth.
5. The undiscourageable resolution to follow Jesus Christ in the service of men.—JOHN R. MOTT.

One of the great men of America is John R. Mott, who sends greetings to our farm boy readers. Student Secretary of the International Y. M. C. A. Committee, 1888-1915, foreign secretary since 1898, and general secretary since 1915, he has studied the problems of boys and young men the whole world over, and his five rules for success should be memorized by all aspiring boys.



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The demand for Smith Hatched Chicks is doubling each season, proving without doubt their quality. Poultrymen the country over have learned that "Smith Hatched" means

Healthy and Vigorous

Chicks because they are hatched right. More fresh air and oxygen is furnished in the forced draft incubator than in any other type made. Hot spots and cold corners eliminated.

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Chicks with the right start pay best,—grow better. Less disease among Smith Hatched Chicks than any other kind. If you don't know of a Smith Hatchery in your vicinity, write us. Helpful literature free.

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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.

We pay 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.



Take No Risk 30 Days Trial

Money back if not satisfied. Made of California Redwood, covered with galvanized iron, double walls, air space between, deep chick nursery, hot water heat, copper tanks. Shipped set up—ready to run. Order from this ad. You take no risk.

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140 Egg Incubator - \$13.85 260 Egg Size - \$23.50
520 Egg Incubator - \$47.00
140 Chick Hot Water Brooder, \$7.50; 260 Chick size, \$10.75
38-in. Canopy Brooder, \$11.75; 48-in. Canopy Brooder \$13.25

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Built of California Redwood, Hot Water—copper tanks. Double walls—dead air space. Double glass doors. Shipped complete with all fixtures, set up ready for use.

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180 Egg - \$16.35 340 Egg - \$30.75
250 Egg - \$22.75

3 Freight Paid East of Rockies. Write for Catalog

24" Canopy, Wickless \$10.25
44" Canopy, Wickless \$14.75
54" Canopy, Wickless \$18.15

Wisconsin Incubator Co., Box 114 Racine, Wis.

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100% Live Delivery. Postage Prepaid.

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Wh. & Br. Leghorns	\$3.25	\$6.00	\$11.00
Buff & Bl. Leghorns	3.25	6.00	11.00
Anconas	3.50	6.50	12.00
Black Minorcas	3.75	7.00	13.00
S. C. & R. C. Reds	3.75	7.00	13.00
Barred Rocks	3.75	7.00	13.00
Buff & Wh. Rocks	4.00	7.50	14.00
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Deduct 1/2c per chick from hundred for lots of 500 or more chicks. First shipments Feb. 7th. Your order must be placed on or before Feb. 1st at these low prices. 10% deposit with order and balance two weeks before shipping time. Pure-bred stock from culled stock.

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Shows and describes 53 varieties of Old Reliable Strains of SHOEMAKER Blood Tested Flocks of PURE BRED POULTRY. Backed by 38 years of breeding prize winners. Gives many useful facts about handling, feeding, diseases and remedies. Quotes LOW PRICES on fowls, eggs, CHICKS, Brooder Stoves, and supplies. Write for this valuable BOOK—it's FREE.

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WHITE LEGHORN CHICKS

State Accredited, blood tested, from a high production flock, chicks that will make good on your farm. Prices on request. **L. D. HASKELL, Avon, Mich.**

don't think he knew what he was talking about. When there were so many drinking, their families were going without food and clothing.

It was common to pick up a newspaper and read about some terrible act of drunkenness. One of our teachers told the hygiene class about a man who was in a car alone when another car was coming ahead of him, and he ran into the other car, killed the woman and injured the man. Just because he was drunk.

Men who drink, don't respect themselves very much, or anyone else. Prohibition is enforced, but some people break it. Some people right around here are making moonshine, but are very quiet about it. Now, something about smoking.

Some boys think it smart to smoke, but they are not smart at all. I don't think grown men look so bad smoking cigars or cigarettes, but I don't like to see them smoke a pipe. Any of them are bad enough, and I hope my new uncle doesn't drink nor smoke. Ringing off, I remain, "Whang Chang."

I say "Amen" to your drinking and smoking sentiments, and saying that I would be a hypocrite if I drank or smoked.

Dear Uncle Frank:

Did you ever feel blue? Well, I do. I joined this circle eighteen months ago, and I'll be whipped if I didn't answer at least a dozen contests, and all in vain. But I says to myself, "Well, old kid, you might just as well cheer up a bit and see if Uncle Frank doesn't soften his heart a bit."

Say, Uncle Frank, I'm fifteen, and I passed the eighth grade examination on a high per cent. But I am not going to high school. Do you think I should have gone?—Frozen Daisy.

It's not my heart that is keeping prizes from you. Perhaps you were unlucky, or you did not try hard enough when you tried. Don't say "Tail." It would have been nice for you to have gone to high school.

CORRESPONDENCE SCRAMBLE.

HERE'S another correspondence scramble. They are always popular, and are one of the best ways for Merry Circles to get started corresponding with other M. C.'s.

It is easy to take part in a scramble. Just write a nice letter to "Dear Unknown Friend," or some similar title, then address an envelope to yourself and put a stamp on it. Also address an envelope to Uncle Frank, Michigan Farmer, Detroit, Michigan. If you are above thirteen years of age, put the letter "B" in the lower left-hand corner of this envelope; if below thirteen years of age, use the letter "A." Put the stamped envelope, addressed to yourself, and your letter in the envelope addressed to me. Mail it so that it will get here before January 22, as the letters will be scrambled at that time. Your letter will be put in some one else's envelope and someone's letter in yours, and mailed. Thus you will get two chances to get a correspondent.

BEAUTY CONTEST WINNERS.

I WAS much pleased with the results of the beauty contest. They showed that Merry Circles have a good sense of beauty, and are good observers of it. The most beautiful thing seen included pet dogs, funerals, scenery, sunsets, work of Jack Frost, and mother's face.

The prize winners, whose papers will appear soon, are as follows:

Fountain Pens.

Guilford Rothfuss, Norvell, Mich.
Carl Denslow, R. 2, Box 99-A, Bar-ryton, Mich.
Zola Marsh, R. 2, Box 21, Kingsley, Mich.

June Nelson, Filion, Mich.

Knife.

Bobby Seaman, R. 1, Evart, Mich.

Beads.

Anna Romsek, R. 2, Copemish, Mich.
Two Michigan Farmer Pencils.
Harold Snyder, R. 1, Kalamazoo, Mich.

Harold Mouw, R. 5, Box 5, Holland, Mich.

Alfreda Sting, Gagetown, Mich.

Lillian M. Barry, R. 6, Albion, Mich.

A cyclone in Spain caused the ruination of a \$30,000,000 orange crop, and the sinking of 150 ships which resulted in the loss of fifty lives.

more distance



on your old set

If you have a 201-A in the detector socket, just change that one tube to an RCA super-detector, Radiotron UX-200-A. Instantly—you have bigger distance reach. And if you are sure to get a genuine RCA Radiotron, that special detector will have a good long life.

RADIO CORPORATION OF AMERICA
New York Chicago San Francisco

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It is still another thing to invest it profitably.

And it is still another thing to invest it both safely and profitably and at the same time be able to draw your money, or cash your investment in an emergency, or when wanted at 100 cents on the dollar.

Availability is a big word and means much. It means as much as safety or profit. Ready cash is always worth much more than money tied up. That is why the savings certificates issued by this company have proven so popular all these many years. For 37 years people have been able to cash them for their full value when wanted. They are like ready cash earning

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1889

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DOUBLES HOG PROFITS



Best Equipment
For McLean System

YOU can farrow pigs in zero weather with 100% safety—get two litters yearly from each sow—and make the early markets when hog prices are highest with the

ECONOMY HOG HOUSE

—a perfect farrowing house which ten minutes work changes into a year round hog house. This house has separate pens for six sows and their pigs; has brooder stove in center with six separate little pig pens under it where pigs can keep snug and warm and away from sow. Keeps them warm in coldest weather. Five cornered pens and brooder gate protect pigs from being laid on. Makes early farrowing profitable.

Best for McLean System

Rests on skids. Easily moved. Good for owners or renters. Sanitary. Well ventilated. Two men can put up in two hours, by bolting sections together. Painted. Has weather proof roof and cello-glass, top ventilating windows. Built of clear fir and No. 1 dimension lumber.

Raise 16 to 20 Pigs Per Sow Yearly

Hog raisers all over the hog belt are doing this. So can you by using the Economy Hog House the year round. Actually costs less than if you built it yourself. Get this patented, centrally heated hog house now and make more money than ever before. Farmer Agents Wanted.

Limited Number of Territories Open.

Write for Our Proposition.

SEND COUPON—SAVE MONEY

Economy Housing Co., Onawa, Iowa Dept. L.
Send catalog and agents proposition to:

Name.....

Town.....

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R. F. D.....



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

Free Trial of Proved Swedish Abortion Treatment

Famous Foreign Formula quickly relieves badly infested herds. Gives amazing results in cases believed hopeless.

Thousands of American Farmers say the Froberg Swedish Abortion Treatment has saved their herds from destruction. This remarkable treatment has been used with complete success in the big dairy herds of Sweden for many years, and has cleaned up whole districts over there literally rotting with contagious abortion.



It was only after great expense of time and money that this secret formula was made available to American Farmers. During the past nine years the treatment in American herds has given all the amazing results that made it so famous abroad. Herd after herd has been rid of this disease. Even cows considered hopeless by veterinarians have yielded to its healing qualities and been restored to health and produced fine vigorous calves.

SAVED HIS HERD

David Mohr, Jenison, Michigan says: "Last year I raised only one good calf out of 14 cows bred, all other calves were aborted. I was desperate. I used your C. C. C. treatment. This year with the same herd I have not lost a single calf. It's wonderful. My neighbor lost 3 calves in a few days—I gave him some C. C. C. and it stopped the trouble right there."

The fame of Cow Calf Control (C. C. C.) the name of this treatment has spread from breeder to breeder. Today it is put out only on an absolute binding guarantee that it will stop every case of abortion; that every cow treated will deliver a normal calf, or the treatment cost is refunded. Two reliable banks stand behind it.

SEND NO MONEY

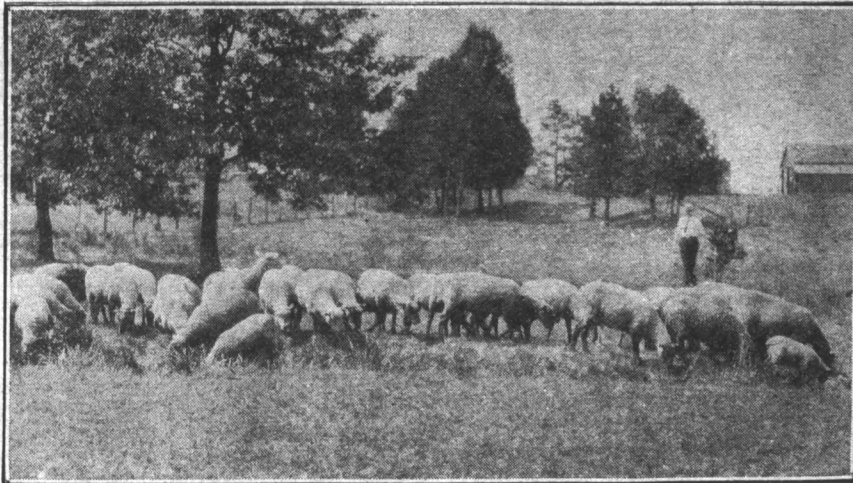
Mr. John W. Froberg, a native of Sweden and a large dairy owner, is responsible for introducing C. C. C. into this country. He has made the treatment easy to give, and at a cost per animal that every farmer will gladly pay.

Write today for full details explaining our free trial offer. Just send your name and address without further obligation to FROBERG REMEDY CO., 13 Lincoln St., Valparaiso, Ind.

Live stock AND DAIRYING

SELLS LAMBS TO RESTAURATEUR.

THIS young farmer started with a low-priced flock of mixed sheep, with no one breed predominating. Since that time he has used South-down and Hampshire rams, dependent upon scoring the points that he is looking for. However handy and ideal the carcass may be, this young farmer insists upon weight because his market (a city restaurateur) accepts carcasses up to fifty-five pounds. To get this weight, and the frame to carry it,



This Flock of Sheep was Developed for Ordinary Stock with Pure-bred Rams to Provide Ideal Meat for a Restaurateur.

he has employed Hampshire rams now and then.

The Southdown gives his lambs the desired roundness and keeps the wool pretty well up to three-eighths and clear whiteness; the Hampshire promotes rapid growth, stretchy frame, and carries more wool. If he were not also a free feeder, he could not score near the weights he is making; his best figure on a lamb last June was fifty-six pounds, dressed weight, at thirty cents a pound, with the pelt at home to pay him for the butchering. The writer bought his wool clip and the best fleece in the lot weighed a shade under thirteen pounds.—William Payne.

DOES NOT TRAMP SILAGE.

IN the last edition of the Michigan Farmer, I noticed an article which suggested the idea of not tamping silage. I have helped fill silos for the past twenty-five years. When we began filling we used two or three men in a silo. But in late years help has been so scarce that we have found it impractical to use so many men. We have lately found that the silage comes out just as well when no men are used, except for the last few feet at the top. We use an extra length of pipe on the blower. On that pipe is fastened a cone, or funnel-shaped piece. This is inverted so the large end is down. It is fastened to the hood with wire and works back and forth. This distributes the silage evenly. One man can finish the last two doors easily. The silage will not settle over one whole door more than where two or three men had been tramping. We use all the water we can give it. The labor saved is considerable. I hope this will help those who have not tried this plan.—J. S. Dart, Concord, Michigan.

THEY TOOK THE JOB.

FROM way back forty years ago comes a yarn of as unusual a sheep judging at a county fair as has been told for some time.

Up in Genesee county the fair association had named as some of its offi-

cials a prominent hardware merchant as president, and two lawyers as secretary and assistant secretary, respectively. On the day of the sheep-judging at the fair, the superintendent of the sheep department was, figuratively, tearing his hair, owing to his inability to round up competent judges for the occasion, as most of the sheep men were exhibitors and therefore disqualified as judges.

As a last resort he solicited the services of the above mentioned officers. None of them having been raised on a farm, they viewed the prospect of

judging Merino sheep with considerable trepidation.

"We don't know the first thing about judging sheep," they protested.

"Oh, that's all right," the desperate superintendent assured them. "That's a point in your favor. The fellows who win the prizes will be entirely satisfied and the ones who don't will console themselves by saying that you didn't know a darned thing about sheep anyhow."

The officers took the job.—R. A.

COOKED BARLEY AND BEANS FOR COWS.

Does cooked barley and beans make good feed for cows? What amount should be fed at one feeding?—B. C.

Barley and beans make a good combination, that is, the theory is correct. Beans are comparatively rich in protein, and barley is a carbonaceous grain. Equal parts by weight would make a good combination.

The amount to be fed depends on many conditions. What roughage is to be fed with them? If alfalfa is used as the sole roughage food, one-third beans and two-thirds barley will furnish plenty of protein if you feed a pound of this grain for every four pounds of three per cent milk, or a pound for every three pounds of five per cent milk.

But if the roughage consists of corn silage and mixed hay, then the mixture ought to be two-thirds beans and one-third barley.

Where it takes two-thirds beans to furnish sufficient protein, it is better to supply a portion of the protein with oil meal or cottonseed meal, rather than to feed so much beans.

In the amount of beans and barley fed, it must be considered they are to be in a dry state. After being cooked they contain much moisture, and this should not be considered in amount fed.

A team of horses, including a fifteen-year-old mare, belonging to E. A. Laux, of Garden, Michigan, made a trip of eighty miles in a day recently when it traveled to Nahma over icy roads with a heavy load of dressed beef.



FRESHENING TIME

is the most critical period in the life of a cow or heifer. Don't ruin your cows by neglecting a retained afterbirth. If allowed to remain disease and blood poison may follow. The afterbirth should not be removed by force except in rare cases, as under such circumstances some parts will surely remain. These decompose and are absorbed, leaving the cow in a more dangerous condition than before.

COW CLEANER

Has a direct ripening effect upon the afterbirth, assisting Nature to enable it to come away of its own weight. A small investment will save a valuable cow. Avoid all danger by giving Dr. David Roberts Cow Cleaner before the cow freshens.

For sale by dealers or postpaid \$1.00. Ask for FREE copy of The Cattle Specialist and how to get the Practical Home Veterinarian without cost.

Veterinary advice FREE.

Dr. David Roberts
Veterinary Co., Inc.

124 GRAND AVENUE
WAUKESHA, WIS.



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Absorbine will reduce inflamed, swollen joints, sprains, bruises, soft bunches. Quickly heals boils, poll evil, quitters, fistula and infected sores. Will not blister or remove hair. You can work horse while using. \$2.50 at druggists, or postpaid. Send for book 7-S free.



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Thus assure yourself of the biggest yields—the best your garden can grow. Use the Isbell Catalog as your guide. It shows varieties almost unlimited of the finest vegetables, many prize winners of international reputation—all produced from MICHIGAN GROWN

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As They Grow So Your Farm Grows

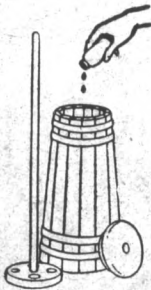
Plant only the best, hardiest, earliest maturing seeds, 48 years growing seeds in Michigan—ceaseless experimenting, careful selection, and perfect cleaning have made more than 200,000 satisfied Isbell customers. You buy direct from the grower and save money. Satisfaction guaranteed.

Write Today!
Get the 1927 Isbell Seed Book. It's a valuable guide for growing great crops. Gives complete cultural directions. Post card brings it, free.
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Butter Must Look Good--- Be Appetizing

"Dandelion Butter Color" gives Winter Butter that Golden June Shade



Just add one-half teaspoonful to each gallon of cream before churning and out of your churn comes butter of Golden June shade. "Dandelion Butter Color" is purely vegetable, harmless, and meets all State and National food laws. Used for years by all large creameries. Doesn't color buttermilk. Absolutely tasteless. Large bottles cost only 35 cents at drug

or grocery stores. Write for FREE SAMPLE BOTTLE.
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FREE

How to turn losses into Profits
Cows Calves Poultry Pigs

Tells how to treat

at home and avoid losses from live stock diseases that cost American farmers three hundred million dollar losses each year. Contagious

Abortion

nearly always appears unexpectedly. Walter Rasmussen found 40% of his pure bred Holstein cows affected. Immediately used B-K, following our directions. No more losses. The book tells his and other experiences.

Calf Scours

yield quickly to B-K treatment. The cleansing, healing action of B-K on membranes and its absolutely non-poisonous nature make it ideal for the farmer to use. The book explains this, also how to remove

Retained Afterbirth

with a warm water solution of B-K, using only a small rubber hose, funnel and a pail or pitcher. Releases adhesions and reduces inflammation, so the afterbirth comes, without force, naturally and completely. B-K is safe, dependable and cheap. Buy a jug at your dealer's and follow simple directions. Money back if not satisfied.

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Dept. 146A Madison, Wis.

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Address _____

B-K

Two Ton Litters

And How They Were Raised

BY R. G. ELLIOTT.

OUR pure-bred Spotted Polands are kept in a thin condition, gaining all the time they are with pigs, and at time of farrowing are in fair shape, but not fat. They are fed mostly slop of oat middlings and a little tankage and some skim-milk, and above all, nice green alfalfa hay once a day. It is surprising how much good green hay a few sows will clean up. They get plenty of exercise, as I move their colony house away from the feeding trough. I also use block salt and lime and acid phosphate and slack coal in a self-feeder. This year I am feeding soy beans in the pods instead of buying tankage. In the summer time they have about the same ration, and sweet clover and rape pasture. I have always had large, strong litters. Regarding ton litters, I think they are started before they are born, and the first two months while nursing their mothers, the rest is easy with a self-feeder and a hog waterer.

The litter the past summer was fed, or learned to eat, at about three weeks and kept going on oat middlings, tankage and some skim-milk, until they reached about 160 pounds, and then had shelled corn and tankage until they were 180 days old. Our pigs were weighed each week, and the gain was nine to thirteen pounds a week, or an average of eleven pounds per week on oat middlings, tankage, etc. I didn't weigh them any more after they had reached 150 pounds, as they were difficult to handle. All had the run of sweet clover and alfalfa pasture.

I think the most interesting part is the cost per pound, as I purchased every pound of feed, mineral, salt, milk, and slack coal included; and they cost just 5.1 cents per pound and sold for thirteen cents. This does not include pasture, or care, just feed consumed.

BY DAVID THOMPSON.

I CONSIDER the most essential thing, is to have the right kind of pigs to feed. These which made an average of 273 pounds in 180 days were from a Registered Duroc sow, which weighs about 650 pounds. The sire is a Registered Hampshire.

During the winter the sow was fed ear corn, and in the spring ground oats and corn—two to one mixture. Her trough was far enough from her sleeping quarters to make her exercise before and after every meal.

The pigs were farrowed on the thirteenth of May and weaned when eight weeks old. Then they were fed ground oats and corn until after harvest. They had skim-milk to drink once or twice a day during the summer, and were running in a lot seeded to alfalfa. When about four and one-half months old, they were shut in a pen and fed ground corn, two parts; barley, one part; and wheat, one part, in self-feeder, and what whole ear corn they would eat.

Last spring my wheat was not very good, so I sowed barley on the field, which resulted in a crop of about equal quantities of wheat and barley. That was the sole reason why these pigs had wheat in their ration.

Regular feeding and dry, comfortable sleeping pens help pigs to make a better growth.

(Mr. Thompson and Mr. Elliott were two of the successful ton litter contestants in the 1926 contest put on by Michigan State College.—Eds.)

The nomenclature of Michigan towns has frequently been the occasion of many a wise crack, and now it is suggested that a ball game should be arranged between the towns of Peck in Sanilac county, and Henpeck in Genesee county.



MORE MILK —Less trouble

ARE you fair to your cows? You drive them to the barn in the Fall, feed them heavy, hard-to-digest concentrated rations. No natural, tender, green pasturage, little exercise—no wonder the milk pail disappoints you, right when milk prices are highest.

Right now—of all times—your cows need help. They need something to help them digest their feed better—turn more of it into milk. Without such an aid, the more you feed the greater the strain on their overworked vitality.

Kow-Kare gives the needed help, in a simple, natural, definite way. It gives needed support to the digestion and assimilation—helps carry the burden of heavy winter feeding. By toning up these vital organs your feed dollars become milk dollars. The cow has summer pep and vitality. No more "off feed"; no more profit threat from disease and disorders. Kow-Kare builds health while it is bringing back to you via the milk pail several times what it costs you. It is a real money-maker in any dairy. A single can will ration a cow for one to two months. Just follow the simple directions on the can.

No More Disease-Loss

Use Kow-Kare to prevent disease—but if you have actual trouble with Barrenness, Retained Afterbirth, Abortion, Bunches, Scours, Lost Appetite, etc., use Kow-Kare as directed on the can and you will be amazed how quickly your cows are able to throw off their trouble and again become productive. Write for our FREE BOOK on cow diseases, "The Home Cow Doctor." Every cow owner ought to have it.

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

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

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

KOW-KARE

FAMOUS CONDITIONER
OF MILCH COWS



What Dairymen say:

From A. G. KATZUR, De Lamere, N. D.—"I find that Kow-Kare is a wonderful aid to increasing milk yield. Had a cow quit milking after coming fresh and would not get with calf. After feeding Kow-Kare for awhile, she came back to milk again and has raised a calf since and is now the best cow in the barn."

From C. R. STODDARD, East Rodman, N. Y.—"I have owned a large dairy of cows for twenty-five years, and I find nothing that will equal Kow-Kare for giving cows an appetite and therefore increasing the milk flow."

From HARLOW M. KASTNER, Hammond, N. Y.—"Have used a great many cans of Kow-Kare in my herd for improving the milk yield and toning up the digestive organs. It is a wonderful medicine in the treatment of retained afterbirth, as Kow-Kare has not failed me in a single instance."

TRY a Michigan Farmer Liner sell Your Poultry, Real Estate, Seeds and Nursery Stock and Miscellaneous Articles. See Rates on Page 87.

Save Your Stock—Your Money With the Old Reliable Kalamazoo

It pays to give your stock the Best. Learn how to put a wood stave or glazed tile Kalamazoo Silo on your farm by easy payments—and get your money back in 1 year. Farmers using these acid-proof, moisture-proof silos, tell us they make \$200 to \$300 a year profit in better feed, healthier stock, better yields. Read what they say; get facts, figures, before you build anything—house, barn, or silo. Write us and we'll send Free book of plans. KALAMAZOO TANK & SILO CO., Dept. J-3 Kalamazoo, Mich.

Kalamazoo Silos

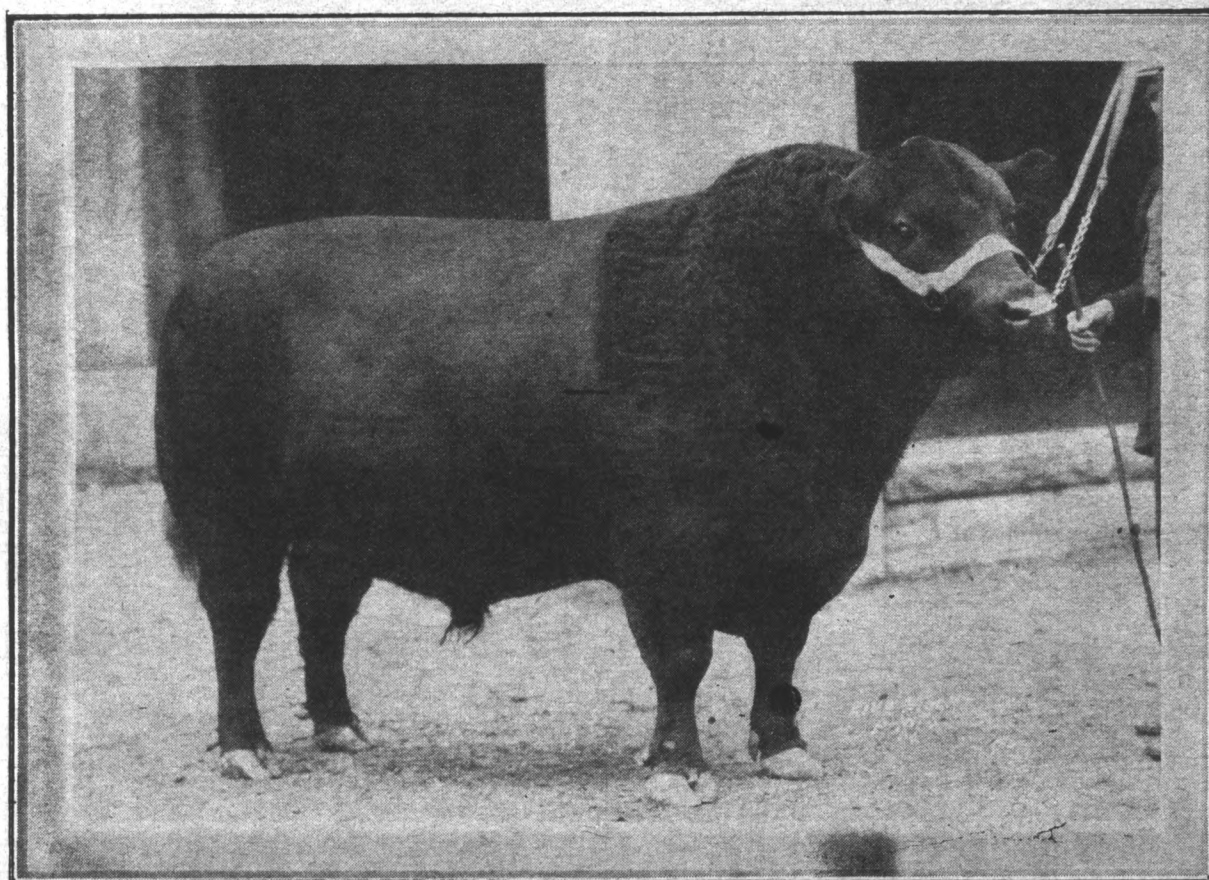




QUALITY MARSHALL 369886

1926 Grand Champion Aberdeen Angus Bull

**International Livestock Exposition---Chicago
Royal Agricultural Winter Fair---Toronto
Michigan State Fair---Detroit**



Quality Marshall Was Undefeated in Any Prize Ring in the United States and Canada during 1926

This animal possesses the rare qualities of being both a grand champion show bull and a grand champion breeding bull. Due to his immature age (not yet four years), the get of this bull were exhibited for the first time during 1926, resulting in the following remarkable showing:

Pair of calves class First Prize Michigan
State Fair.

Group of four calves class First Prize Royal
Agricultural Winter Fair.

Pair of Angus Females, any age (Eleven months
and thirteen months old respectively) Seventh
Place International Live Stock Exposition.

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Heaves

If a horse isn't ready to work when you need him you suffer heavy loss. You lose the very thing you feed him for—his power to work. Don't let any of your horses suffer with heaves. No matter how bad the case seems, or how long it has existed, it will nearly always respond if you use Fleming's Tonic Heave Powders.

At work affected animals fag easily, lag in the collar, puff and pant, or sweat profusely and lose weight and strength. If treatment is neglected and particularly if the horse is worked, look out for chronic indigestion, heaves, chronic cough, blood disorders and skin diseases.

Fleming's Tonic Heave Powders



for all horses that need a tonic

Successfully in use for over 30 years. Not only are results wonderful in treating heaves, but the horse is "toned-up" and kept in tip-top condition all the time.

Money Back if it Ever Fails

Fleming's Tonic Heave Powders improve digestion, absorption, and nutrition. Imparts strength and tone to the entire system. Increases digestive juices and builds rich protective blood insuring high resistance to disease and giving the horse vitality and vigor—POWER IN THE COLLAR. Send for a package today, \$1.00 postpaid.

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

BREEDERS' DIRECTORY

ELM ROW GUERNSEY FARM SOLD

Must sell my 10 Reg. females before March 1st. Eight are bred to son of Langwater Africander. Among them Elm Row Fairy, first prize yearling, 1925, at Jackson, Adrian and Hillsdale; now has A. R. Record 460.6 lbs. butter-fat Class G. Two dams and one granddaughter of a 510-lb. Class A.A. cow. Two prize winning bred yearlings. Two 3-yr.-olds to freshen in January, one has an A. R. record of 311 lbs. in 305 days. G. G. G. class. One fine 6 mos. old show heifer from Africander. All 3 yrs. old or under except 1 old A. R. cow. Elm Row also offers 4 choice bull calves from A. R. dams, two of them over 500-lb. records. All records made on twice per day milking. Come and make me an offer.

G. W. RAY, Albion, Mich.

REGISTERED GUERNSEYS

for sale. Entire herd on Michigan farm, 14 females, oldest cow 8 years. Bull 27 months, bull calves, A. R. dams. Excellent breeding. T. B. tested. Free from abortion. Terms to responsible party. Further particulars from

J. K. BLATCHFORD,
1403 Auditorium Tower, Chicago, Ill.

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.

GENTLEMEN FARMERS HELP AGRICULTURE.

THAT the gentleman farmer, so-called, is rendering a real service to the perennial husbandman of the state, is being more conclusively proved daily. The majority of these men are not lily-fingered office men, products of the big city, but are chaps who spent a good share of their youth on the farm, and who feel the back-to-the-farm urge in their later years.

Such a one is D. D. Aitken, prominent attorney and civic leader in Flint. Mr. Aitken was raised on a farm west of Flint and devotes all the time he can spare to the operation of the old family homestead. In the years that have passed since he left the farm to go to the city, he has kept in close touch with affairs agricultural, and is one of the outstanding Holstein owners and breeders in the state.—A.

WHO GETS THE MARGIN?

WHETHER the development of the cold storage business is one of the main underlying causes of the difference between the price that the consumer pays for farm products at retail stores, and the price that the farmer gets for those products, offers an opportunity for an interesting discussion. An official of a well-known Detroit packing house recently admitted his inability to figure it out.

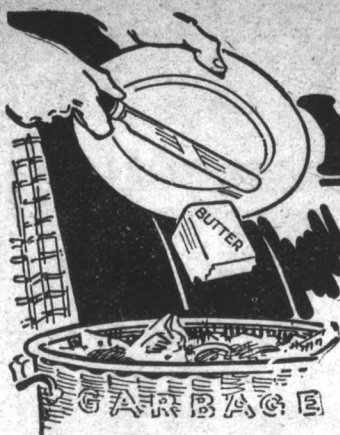
"Naturally, with the wide margin between the price of the meats delivered to Detroit homes and the price paid to the farmer, gives us reason to believe that the packer's profit should be considerable," he declared. "On the other hand, when the books are footed at the end of the month, we inevitably find that our margin of profit is surprisingly small. We are as interested in discovering an explanation of the phenomenon as anyone else."—A.

DAIRY BUSINESS GROWS IN HURON.

MEMBERS of the Huron County Holstein Friesian Association agreed upon a major project at their recent annual meeting, held at Bad Axe. This project is the fostering of a county-wide sentiment for the eradication of bovine tuberculosis within the county. Huron is the only county in the Thumb district not lined up on this project. County Agent David Woodman quoted statistics to show that the number of beef cattle in the county had decreased forty per cent since 1920, while dairy cattle are fast decreasing in number. Calf club work was also heartily endorsed. Eight boys successfully completed last year's work; five of these were present at the meeting. J. G. Hays, secretary of the State Holstein Association, urged the local organization to confine their efforts to a single major project and then put it across. Officers for 1927 include: Omar Buschlen, president; Thomas Amos, secretary.

VETERINARY.

Udder Trouble.—My cow came fresh last July and after calving, the milk on the right front teat was bloody and the cow was sick with fever. I sent for a veterinarian. After using his treatment the cow was all right in a week. About a month ago she began milking blood in the left rear teat. I have been trying to cure it myself. She has stopped milking blood, but the milk is yellow and lumpy at the start, and she only milks about a quarter of what she should on that teat. The cow is in good health otherwise. E. J. A.—In cases of udder trouble such as you describe, it is always advisable to take away the grain and give one pound of epsom salts. Keep in the barn and milk the affected quarter every two hours, at the same time bathing with hot water. In the evening massage with camphorated oil. Give one-half ounce of formaldehyde in a quart of water, twice daily for five days. Following this treatment, it is often advisable to give one ounce of fluid extract of poke root three times daily, for several days. Be careful not to feed any moldy or spoiled feed.



You wouldn't stand for this One Minute

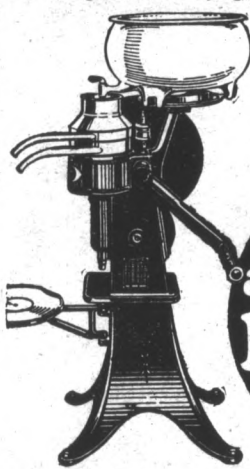
If some one scraped the butter left over from your table into the garbage can after each meal you certainly would put a stop to it immediately.

Left-over butter must be saved for another meal, but how about the "left-over" butter-fat which your present separator leaves in the skim-milk? It isn't at all unusual for a new De Laval to increase the yield of butter-fat from the milk of just a few cows by a quarter-pound to a pound or more a day. Think what this would mean to you in the course of a year.

Skim Your Skim-Milk

Ask your De Laval Agent to bring out a new De Laval Separator and run the skim-milk from your old separator through it. The new De Laval skims so clean that if you are losing any butter-fat it will surely be recovered. Have any cream recovered in this manner weighed and tested at your creamery, and then you can tell exactly how much a new De Laval will save for you. Trade allowances made on old separators of any age or make.

The new De Laval is the best cream separator ever made—skims cleaner, runs easier and lasts longer. Among other new features and refinements it has the "floating" bowl which eliminates vibration, causing it to run smoother and easier. It gives you a rich, smooth, high-testing cream, and skims cleaner under all conditions of use.



\$6.60 to \$14.30
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Balance in 15 Easy
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See
and Try
an Improved
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Send catalog checked — Separator ☐ Milker ☐
Name _____ Town _____ State _____ No. Cows _____ R.D. _____

A Son of "Fobes 6th"

is senior sire in the heavy producing Traverse City State Hospital herd where 98 cows averaged over 13,000 lbs. milk during the past year.

His sire has two daughters with 30 and 37.8 lbs., and two above 1,000 lbs.

His dam, "Fobes 6th," is a 38.5-lb. cow with 1,105 lbs. butter in a year and one of the best specimens of the breed.

Marathon Bess Burke 32d combines the Ormsby-Bess Burke-Fobes blood lines.

Send for pedigrees of his sons.
"MICHIGAN STATE HERDS."

**Bureau of
Animal Industry
Dept. C
Lansing, Michigan**

AT THE TOP

A Colantha cow from our herd was high butter-fat 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 BULLS

Sired by a Grand Champion and out of tested dams. Accredited herd. Also a few good bred heifers.

Lakefield Farms, Clarkston, Mich.

SELLING at AUCTION

TUESDAY, JANUARY 18, at 1 P. M. sharp. Entire herd, all T. B. tested for last 6 years. Never a reactor in herd. All fresh since October 1. L. W. BAUMGARTNER, 15 Mile & Van Dyke, Detroit, Mich.

HIGH CLASS registered Holstein cows and heifers priced very reasonable. Some fresh, others to freshen soon. About twenty listed to select from. Tuscola Co. Holstein Association. B. B. Reavey, Sales Manager, Akron, Mich.

FOR SALE some real good Registered Holstein cows, all young and due to freshen in January and February. Will sell at the right price.
E. A. ROHLFS, Akron, Mich. Phone No. 48-R-3

FOR SALE at farmer's prices, Missaukee Guernsey bull calves from A. R. ancestry, carrying blood lines of Norman's Missaukee Red Rose, 900 lbs. butter-fat, and May Rose.
ARTHUR M. SMITH, Lake City, Mich.

HEREFORD STEERS

22 Wt. around 1100 lbs. 69 Wt. around 1000 lbs.
74 Wt. around 725 lbs. 81 Wt. around 625 lbs.
45 Wt. around 550 lbs. 50 Wt. around 500 lbs.
Good quality, dark reds, dehorned, well marked Hereford Steers. Good grass flesh. The beef type are usually market toppers when finished. Will sell your choice of one car load from any bunch. Can also show you Shorthorn Steers, 1/2 or 2 yr old.
Van D. Baldwin, Eldon, Wapello Co., Iowa.

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

BUTTER BRED JERSEY BULLS
CRYSTAL SPRING STOCK FARM,
Silver Creek, Allegan County, Michigan

15 Cows, 4 Bulls from R. of M. Cows. Chance to select from herd of 70. Some fresh, others bred for fall freshening. Colon C. Lillie, Coopersville, Mich.

FINANCIAL KING JERSEY BULLS for sale, from R. of M. cows. Type and production. COLDWATER JERSEY FARM, Coldwater, Mich.

THE STANLEY J. GARDNER HERD, Crosswell, Mich.

"MILKING SHORTHORNS"

Why buy without milk records? We don't keep our cows, they keep us. If you want a real bull calf that will breed more milk into your herd and still retain your good fleshing qualities, call on us. Also females. Circulars and photos on request.

Registered Red Polled Cattle for sale. Calves both sex, one young bull, year old, and two heifers. My herd bull for sale next spring. Prices reasonable. GEO. L. HEIMBECKER, R. 3, Morley, Mich.

MILKING SHORTHORNS. White Bull 12 months old, from R. of M. Dam, also younger red ones. ROBT. DOUGLAS, Crosswell, Mich.

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

MILKING SHORTHORNS—either sex at farmers' prices. Central Michigan Shorthorn Breeders' Assoc. Write for list to Oscar Skinner, Secy., Gowen, Mich.

MILKING SHORTHORNS. 8 mos. Son of top U. S. Butter-fat Cow. Mo. March, 1924. Also females. IRVIN DOAN & SONS, Crosswell, Mich.

HOGS

Duroc Service Boars--Bred Gilts--Fall Pigs

Everything immunized. We Guarantee to please you.

Lakefield Farms, Clarkston, Mich.

For Sale Duroc Jersey Gilts bred for April farrow. Colonel and Orion King breeding. Good type and size. Will send C. O. D. on approval. W. E. BARTLEY, Alma, Mich.

DUROC JERSEY Gilts bred for March and April farrow. NORRIS STOCK FARMS, Casnovia, Mich.

A T FARMERS' PRICES—big Duroc bred gilts, also Super Col. boars for service. SHAFLEY STOCK FARM, St. Johns, Mich.

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

Additional Stock Ads. on Page 87



THE LATEST MARKET REPORT



GRAIN QUOTATIONS.

Tuesday, January 11.

Wheat.

Detroit.—No. 2 red at \$1.38; No. 2 white \$1.39; No. 2 mixed \$1.37.
Chicago.—May \$1.38½; July \$1.29¼; September \$1.26.
Toledo.—Wheat, No. 2 red at \$1.39 @1.40.

Corn.

Detroit.—No. 2 yellow at 81c; No. 3 yellow 76c; No. 4 yellow 73c.
Chicago.—May 80½c; July 84½c; September 86¼c.

Oats.

Detroit.—No. 2 Michigan at 53c; No. 3 at 50c.
Chicago.—May at 49c; July at 47c;

September 45½c.

Rye.

Detroit.—No. 2, 99c.
Chicago.—May \$1.01½; July at 99c;
September 95½c.
Toledo.—Rye \$1.00.

Beans.

Detroit.—Immediate and prompt shipment \$4.70@4.75.
Chicago.—Spot Navy Michigan fancy hand-picked, in sacks \$5.25; dark red kidneys \$7.50.
New York.—Pea domestic at \$5.25 @ 6; red kidneys \$8.50@9.25.

Barley.

Malting 80c; feeding 67c.

Seeds.

Detroit.—Cash red clover \$23; cash

alsike \$21.75; timothy, old \$2.65; new \$2.85.

Hay.

Detroit No. 1 timothy at \$19@20; standard \$18.50@19.50; No. 1 light clover mixed \$18.50@19.50; No. 2 timothy \$15@18; No. 1 clover \$17@18; wheat and oat straw \$13.50@14.50; rye straw \$14@15.

Feeds.

Detroit.—Winter wheat bran at \$39; spring wheat bran at \$34; standard middlings at \$35; fancy middlings at \$39; cracked corn at \$34; coarse corn meal \$32; chop \$31 per ton in carlots.

WHEAT.

After following a downward trend for two weeks, reaching the lowest point of the crop year on several markets, wheat prices had a fair rally in the last few days. While the world situation looks rather weak, and competition from Argentine and Australian wheat is becoming more of a factor in world markets, the domestic situation continues healthy, so that breaks do not carry down far.

CORN.

After dropping back practically to the lowest points reached in the past year, corn prices are showing a tendency to rally. Demand for corn at central markets is slow and stocks are increasing. In spite of the probability of some future scarcity, prices for distant delivery are so far above the price of cash corn that they discourage speculative buying.

OATS.

The oats market is under the influence of extremely light primary receipts and a gradually decreasing visible supply. The latter is down to 45,000,000 bushels, compared with 63,000,000 bushels a year ago, and 72,000,000 bushels two years ago.

EGGS.

The egg market has broken sharply from the high point of the season, as supplies of fresh stock increased. Receipts at the leading distributing markets are the largest on record for this season of the year, bearing out predictions made earlier in the season of a heavy winter lay.

Chicago.—Eggs, fresh firsts 38@39c; ordinary firsts 35@37c; miscellaneous

38c; dirties 28@30c; checks 26@28c. Live poultry, hens 20@25½c; springers 25c; roosters 18c; ducks 30c; geese 22c; turkeys 30c.

Detroit.—Eggs, fresh candled and graded 40@41c; storage 28@34c. Live poultry, heavy springers at 30c; light springers 22c; heavy hens 30c; light hens 22c; geese 25c; ducks 35c; turkeys 40c.

BUTTER.

The butter market has declined to the lowest prices in six weeks. Production is definitely on the increase and receipts at the leading markets are 10 per cent larger than a week ago. While prices will undoubtedly continue to work lower, the decline has been checked temporarily and the losses should be more gradual from now on. The excellent consumptive demand will be a check on any drastic break.

Prices on 92-score creamery were: Chicago 48c; New York 50½c; Detroit, fresh creamery in tubs 46@47½c.

BEANS.

Trade continues very light in all kinds of beans, and there has been practically no change in prices, in New York. In Chicago the market is quite firm, with the demand good.

WOOL.

The market continues steady, with the eastern market improving. Prices are trending upward. The staple lines are showing the greatest activity.

DETROIT CITY MARKET.

Apples 50c@2.50 bu; bagas 75c@1 bu; cabbage 65c@1 bu; red cabbage \$1.25@1.50 bu; local celery 25@50c a dozen; carrots 90c@1.25 bu; kale 75 @85c bu; dry onions \$1@1.50 bu; potatoes \$1@1.60 bu; turnips \$1@1.50 bu; Hubbard squash \$1.25@1.50 bu; pears 75c@1.25 bu; leeks 75c@1 doz. bunches; parsnips at \$1.25@1.75 bu; pumpkins 75c@1 bu; vegetable oysters 75c@1 dozen bunches; root celery \$1.50@2 bu; celery cabbage \$1@2 dozen; eggs, retail at 55@65c; hens, wholesale 28@30c; retail at 30@52c; springers, wholesale 28@30c; retail 30 @32c; Leghorn springers, wholesale 22@25c; ducks, wholesale at 35@38c; retail 38@40c; geese, wholesale 27 @28c; veal 18@20c; dressed hogs 17 @19c; dressed poultry, hens 35@38c; springers 35@38c; ducks 45c.

MALONEY

Guaranteed Cherry Trees

WE have specialized in growing cherry trees, both one and two year for over forty years, and those we have for this Spring are the finest ever, all budded on best grade whole branch root imported seedlings; grown in our 400-acre nurseries on ground that has proven to be ideal cherry soil, and dug by steam to insure keeping their long, beautiful fibrous roots intact.

Cherry Trees are in big demand for spring planting and as the supply is considerably below normal you will make no mistake in ordering soon.

All Maloney Hardy Upland Grown Nursery Stock Trees, Shrubs, Roses, Vines and Berries

are guaranteed true to name, free from disease, and to arrive in first-class condition. For over 40 years we have been selling direct to the planter at reasonable prices.

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Send Today for Our Free Descriptive Catalog

It contains valuable information on nursery stock and tells the things you should know about our business. Every order, large or small, will receive our careful, painstaking attention, and remember, you can have your money back if you are not perfectly satisfied.

MALONEY BROS. NURSERY CO. Inc.,
49 Main Street, Dansville, N. Y.



Know Your Seed Source

SEED is the one controllable factor in the production of a crop, and is the most important.

Michigan Farm Bureau Brand adapted seeds are the cheapest crop insurance that can be bought. Seed from this source takes the uncertainty out of crop permanence by guaranteeing seed buyers of its northern origin, its adaptation to Michigan conditions, its purity, vigor and high germination.

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

Michigan Farm Bureau Seed Service Lansing, Michigan



We're Off!! Order Now!!

Get Michigan ACCREDITED Chicks from
Bloodtested Flocks.

PRICE LIST FOR 1927

	Per 100	Per 500	Per 1000
B. P. Rocks.....	\$15.00	\$72.00	\$145.00
R. I. Reds.....	15.00	72.00	145.00
S.C. White Leghorns	13.00	62.50	125.00

RICHARDSON HATCHERY, Dundee, Mich., Box B

BABY CHICKS

WASHTENAW Baby Chicks

BABY CHICKS Michigan Accredited

White Rocks, Barred Rocks, English White Leghorns, White Wyandottes, Rhode Island Reds. You can get better chicks at the Washtenaw Hatchery. Our flocks have been officially culled in accordance with the rules of the Michigan State Poultry Improvement Association. Quality considered, our stock is priced as low as you will find anywhere. 100% live delivery. Write for catalog and get your order booked early. **WASHTENAW HATCHERY, 2501 GEDDES ROAD, ANN ARBOR, MICH.**

MICHIGAN FARMER
Classified Liners get results. Try one.



64 BREEDS Most Profitable Chickens, ducks, turkeys and geese. Choice, pure-bred northern raised. Fowls, eggs and incubators at low prices. America's great poultry farm. At it 34 yrs. Valuable 100-page book and catalog free. **R. F. Neubert Co., Box 814, Mankato, Minn.**

Live Stock Market Service

Tuesday, January 11.

CHICAGO.

Hogs.

Receipts 42,000. Market generally steady to slow at Monday's best prices, more active than early; early tops \$10.50, paid for the choice 140-170-lb. weights; selected light lights held higher; bulk desirable 140-200-lb. average 12@12.10; 220-280-lb. butchers at \$11.90@12; bulk good slaughter pigs \$12@12.10; most packing sows \$10.65 @11.10; light weights \$11.25@11.40.

Cattle.

Receipts 13,000. Market on fat steer trade less active, bulls steady, lower grade predominating; choice weight steers early at \$11.40; bulk at \$8.75@10.50; feeders very scarce; bulk \$7@8, with meaty qualified kind at \$8.50; most medium bulls \$6.65@6.90; vealers \$10.50@12.

Sheep and Lambs.

Receipts 17,000. Market fairly active; fat lambs strong to 15c higher; early bulk of feeding lambs \$12.25@13, asking around \$13.35 for choice; heavy wool tops at \$12.25@13, asking \$13.35 for best handy weights; heavy lambs at \$12.25@12.50; most extreme weights \$11.25@11.50; wool culls \$9@10 and better; sheep unchanged; fat ewes \$5.50@7, holding choice handy weight ewes around \$7.25; feeding lambs strong; bulk comeback feeders \$12.75; choice held around \$13.

DETROIT.

Cattle.

Receipts 1,077. Market strong. Good to choice yearlings
dry-fed \$10.50@11.00
Best heavy steers, dry-fed 8.50@ 9.50
Handy weight butchers .. 7.50@ 8.50
Mixed steers and heifers 7.00@ 7.50
Handy light butchers 6.00@ 7.25
Light butchers 5.50@ 6.50
Best cows 5.00@ 6.00
Butcher cows 5.50@ 6.50

Cutters 5.00@ 5.50
Canners 3.50@ 4.50
Bologna bulls 3.00@ 4.00
Stock bulls 6.00@ 6.50
Feeders 5.50@ 7.00
Stockers 5.00@ 6.00
Milkers and springers...\$55.00@90.00

Calves.

Receipts 549. Market steady.
Best \$ 16.00
Others 3.50@15.00

Sheep and Lambs.

Receipts 2,410. Market steady.
Best grades \$ 12.50
Fair lambs 10.50@11.25
Light to common lambs.. 6.00@ 9.25
Best lambs 12.75
Fair to good sheep 5.00@ 6.25
Culls and common 3.00@ 3.50

Hogs.

Receipts 1,941. Market active, mixed held higher, others steady to strong.
Mixed \$ 12.25
Roughs 10.50
Yorkers 10.35@10.50
Pigs and lights 12.35
Stags 8.50
Heavies 11.00
Extreme heavies 11.00

BUFFALO.

Hogs.

Receipts 1,000. Market fairly active; few medium and heavy weights \$12.25 @12.50; 170-180 lbs. mostly at \$12.75; pigs and lights at \$12.75@13; packing sows \$10.85@11.

Cattle.

Receipts 300. Market mostly reactive, steady; big cows \$3.25@4.50.

Calves.

Receipts 100. Market active, steady; top vealers \$16; culls and common \$11 @12.50 mostly.

Sheep and Lambs.

Receipts 800. Over 2,800 fat lambs 25c higher; tops \$12.75; culls \$10@11.

COUNTY CROP REPORTS.

Gratiot County.—Farmers are hauling barnyard manure and putting up buzz wood. The usual amount of cattle, sheep and hogs are being fed, with plenty of feed and roughage to winter through. Some hay is selling at about \$15 per ton; beans \$4.35 cwt; oats 40c bu. Most hogs and cattle not ready for market.—A. A. R.

Ingham County.—There is plenty of feed on hand, with possibly a little grain being required to finish the stock. Many hundreds of western lambs are being fed in this locality. Hogs are scarce, and milk brings \$2.50 per cwt. Most farmers are getting up wood.—R. E. W.

Missaukee County.—Farmers are getting out wood and hauling gravel. About the usual amount of live stock is being wintered. Grain is scarce. Very few farm products are being sold at present. Hay is bringing \$15 per ton.—R. H. B.

Marquette County.—Live stock is in good condition. Farmers have generally plenty of feed. Loggers are buying hay at \$22 to \$25 per ton. Potatoes are selling locally at \$1.50; cream 50c; eggs 55c; oats 60c. Very little fall plowing done. Snow is about two and one-half feet deep.—J. C. F.

Berrien County.—Winter arrived early, and very little fall plowing has been done. Farmers are busy shredding corn, trimming grape vines and fruit trees; stock in good condition. Wheat \$1.20; potatoes \$1.25; hay \$18; straw \$17.—J. B.

Sanilac County.—Live stock is in good condition. Most farmers have an ample supply of feed. Not much being marketed at present. Butter 50c; eggs 50c; hay \$10@12; oats 40c; potatoes \$1.50. Not much fall plowing done.—B. R.

St. Joseph County.—Live stock is in good condition. In our township about 800 sheep are on feed. There is plenty of grain and roughage for feeding purposes. Farmers are holding rye, beans and wheat. Rye 76c; wheat \$1.23; beans \$4.50; potatoes \$1.05@1.08; eggs 45c; butter-fat 52c.

Kent County.—Farmers are getting up wood, doing chores, and drawing manure. Quite a large number of lambs are being fed, but not many cattle. Hogs are not very plentiful here. There is plenty of roughage, with the possible exception of hay.—C. B.

WITTE ENGINES

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, DIRECT Factory Price, Easy Terms and No Interest. The Standard Farm Power.

BUZZ SAW

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

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

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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 meaty grains weighing 44-46 lbs. per measured bushel of the highest quality. Seed furnished as low as 65c per bushel in quantities. You should by all means try these oats. Send for sample and circular.

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

MICHIGAN Concrete STAVE SILOS

The best word in a permanent silo. Write for interesting free illustrated fact-proving literature. Tells how we manufacture silos under the best known processes—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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Demand for Veal is Good

Ship Your DRESSED CALVES and LIVE POULTRY

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Oldest and Most Reliable Commission House in Detroit

Tags and Quotations and New Ship-Guide Free on Application.

Does Garden

Plowing, Seeding, Cultivating and Lawn Mowing with great saving of time and effort. All it needs is a guiding hand. Gasoline power

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GILSON MFG. CO., 633 Park St., Port Washington, Wis.

SAVE YOUR MAPLE TREES

Earn money by making maple syrup. Great demand for quality product.

CHAMPION EVAPORATOR

Produces finest quality. Saves time, fuel and labor. Pays for itself in a couple of seasons—lasts for many years.

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SAVE CALVES and prevent Barrenness

by using Aborno, the pioneer, guaranteed remedy for Contagious Abortion. Write for free booklet today.

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Lovely Quilt Pieces

for sale, percales, gingham for two quilts, \$1 postpaid. MRS. GEO. MORGAN, Vicksburg, Mich.

CLASSIFIED ADVERTISING

This classified advertising department is established for the convenience of Michigan farmers. Small advertisements bring best results under classified headings. Try it for want ads and for advertising, miscellaneous articles for sale or exchange. Poultry advertising will be run in this department at classified rates, or in display columns at commercial rates.

Rates 8 cents a word, each insertion, on orders for less than four insertions; for four or more consecutive insertions 6 cents a word. Count as a word each abbreviation, initial or number. No display type or illustrations admitted. Remittances must accompany order.

Live stock advertising has a separate department and is not accepted as classified. Minimum charge 10 words.

One Four

10.....\$0.30 \$1.50 26.....\$2.08 \$6.24

11......88 2.64 27......216 6.48

12......96 2.88 28......224 6.72

13.....1.04 3.12 29......232 6.96

14.....1.12 3.36 30......240 7.20

15.....1.20 3.60 31......248 7.44

16.....1.28 3.84 32......256 7.68

17.....1.36 4.08 33......264 7.92

18.....1.44 4.32 34......272 8.16

19.....1.52 4.56 35......280 8.40

20.....1.60 4.80 36......288 8.64

21.....1.68 5.04 37......296 8.88

22.....1.76 5.28 38......304 9.12

23.....1.84 5.52 39......312 9.36

24.....1.92 5.76 40......320 9.60

25.....2.00 6.00 41......328 9.84

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IN THE SAN JOAQUIN VALLEY of California, farming is now a paying business, feeding millions of people in towns. Dairying, hogs, poultry and fruit should yield a good income. A small one-family farm, with little hired labor, insures success. You can work outdoors all the year. Best crops to plant are well proved. Selling is done co-operatively in established markets. Newcomers welcome. The Santa Fe Railway has no land to sell, but offers a free service in helping you get right location. Write for illustrated San Joaquin folder and get The Earth free for six months. C. L. Seagraves, General Colonization Agent, Santa Fe Railway, 912 Railway Exchange, Chicago.

COME TO CALIFORNIA—settle in Stanislaus County—an Empire of Natural Wealth, where the land owns the water and power. Abundance of water for irrigation and cheap electricity right on your farm—all year crops; diversified farming; close to good markets; wonderful climate; paved roads; good schools; land priced low. Write for Free Booklet. Dept. B, Stanislaus County Development Board, (County Chamber of Commerce), Modesto, Calif.

120-ACRE FARM FOR RENT—one-fourth mile from High School, three-fourths mile from Michigan State College, on stock share basis. Only tenant with equipment need apply. Write Box 945, East Lansing, Mich. Phone 27110 Evenings.

FOR SALE OR RENT—200-acre stock and grain, or sugar beet farm. Good buildings. Also house and lot. R. I. Box 6-A, Mt. Pleasant, Mich.

WONDERFUL OPPORTUNITIES. Southern Georgia farm lands. Write for complete information. Chamber Commerce, Quitman, Georgia.

WANTED FARMS

WANTED—to hear from owner of farm or unimproved land for sale. O. Hawley, Baldwin, Mich.

HOGS

Chester Whites bred sows and fall pigs. Quality of the best. Reg. free. F. W. ALEXANDER, Vassar, Mich.

LARGE TYPE P. C. bred gilts, good ones, bred to best young boar in Michigan. Also fall pigs, pairs and trios, not akin, the big easy feeding kind, sired by "1/2 Redemer" and "The Grand Model." Come and see them and be convinced. Expenses paid if not as represented. W. E. LIVINGSTON, Parma, Mich.

FOR SALE Poland China boars of March and April farrow. Also some choice bred gilts, due to farrow in March and April. Every one immuned for cholera. WESLEY HILE, Ionia, Mich.

L. T. P. C. SWINE FOR SALE Spring pigs, either sex, good ones. Cholera immune. Also Brown Swiss bulls. A. A. FELDKAMP, Manchester, Mich.

LARGE TYPE POLAND CHINAS size and large litters our specialty. JAS. G. TAYLOR, Belding, Mich.

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

HAMPSHIRE GILTS, bred for March and April farrow. Also boars, fall pigs. J. P. SPITLER & SON, R. I, Henderson, Mich.

Thank You Boar pigs all sold. Thanks to all customers that have made possible our enormous fall trade on boar pigs. Write us about our gilts, litter mates to the boars. GEO. W. NEEDHAM, Saline, Mich.

SHEEP

700 Choice Ewes

for sale in car lots, 1 to 4 years old, all in good condition. Bred to strictly choice Shrop. rams to lamb May 1st. Also 200 choice large Delaine ewes. ALMOND B. CHAPMAN & SON, So. Rockwood, Mich. 25 miles south of Detroit, Mich. Telegraph address: Rockwood, Mich.

Registered Shropshires

We are offering 40 head bred ewes, 1 to 3 years, sired by noted rams, and due to lamb in March, by champion rams. E. F. GOODFELLOW, Ovid, Mich.

Breeding Ewes for Sale Shropshire grades, also Lincoln Rambouillet cross breeds, in lots of 50 or more. Bred to lamb in April and May. V. B. FURNESS, Nashville, Mich.

Registered Delaine Ewes

fine ones, bred. F. H. RUSSELL, Wakeman, Ohio.

Six Hundred Western Short Yearling ewes, bred to registered Hampshire rams, lamb May 1st. JOHN HICKEY, Reese, Mich.

HORSES

For Sale Percheron Stallions E. R. STOLLER, Galien, Ohio.

MISCELLANEOUS

A FEW "SUCCESSFUL" DEMONSTRATOR INCUBATORS for quick sale at great reduction. 60 to 300 eggs capacity. Good as new. Des Moines Incubator Co., Box 734, Des Moines, Iowa.

ALL WOOL YARN for sale from manufacturer at bargain. Samples free. H. A. Bartlett, Harmony, Maine.

WANTED—Dairy hay, clover, clover mixed and alfalfa. Write Harry D. Gates Company, Jackson, Mich.

MATTRESSES

MATTRESSES made any size, low factory prices. Catalog free. Peoria Bedding Company, Peoria, Ill.

PET STOCK

HUNDRED FOX AND WOLF HOUNDS, cheap. Catalogue. Kaskaskennels, Herrick, Ill.

POLICE PUPPIES from imported stock \$15. Oakwood Kennels, Jackson Street, Muskegon, Mich.

SEEDS AND NURSERY STOCK

PEACH TREES \$5.00 PER 100 AND UP. Apple trees \$7.50 per 100 and up. In large or small lots, direct to planters by freight, parcel post, express. Plums, pears, cherries, grapes, nuts, berries, pecans, vines. Ornamental trees, vines and shrubs. Free catalog in colors. Tennessee Nursery Co., Box 125, Cleveland, Tenn.

FROST PROOF CABBAGE and Bermuda Onion Plants. Varieties: Copenhagen Market, Early Jersey and Charleston Wakefield, Flat Dutch and Succession. Prices, parcel post paid, \$20, \$1.00; 500, \$1.50; 1,000, \$2.50; express collect, \$1.50 per thousand. Nothing too small shipped. We guarantee to ship size to please you. Agents wanted. Tifton Plant Co., Tifton, Ga.

BUY YOUR GRIMM ALFALFA SEED direct from the Introducer, and know that your foundation stock is pure, pedigreed seed, bred from the original Grimm strain. Acclimated to severe northwest temperatures since 1857. A. B. Lyman, Introducer, Excelsior, Minn., The Home of Grimm Alfalfa.

CERTIFIED WOLVERINE OATS, one dollar per bushel. Improved Robust Beans, choice stock, seven dollars per hundred. Bags are free. Freight prepaid on over twenty dollar orders in Michigan. A. B. Cook, Owosso, Mich.

FREE OFFER—Fifty Bermuda Onion Plants or Frostproof Cabbage Plants for few minutes your time. Write for proposition. Bell Plant Company, Cotulla, Texas.

CLOVER SEED FOR SALE—180 bu. white clover, 250 bu. Grimm's Alfalfa seed, bags free. Samples free. Henry Foley, R. 5, Mt. Pleasant, Mich.

STRAWBERRY PLANTS, \$3.75 thousand. General line nursery stock. Free catalog. South Michigan Nursery, Box 14, New Buffalo, Mich.

FOR SALE—Hardy Presque Isle County Michigan Alfalfa seed, grown from Grimm's certified seed, \$26 per bushel. John Inglis, Millersburg, Mich.

GARDEN SEEDS—grown from select stock, none better. We sell at wholesale prices. Write for price list. Fowler Seed Co., Weymouth, Ind.

TOBACCO

GUARANTEED HOMESPUN TOBACCO—Chewing or smoking, 5 lbs., \$1.25; ten, \$2; cigars \$2 per 50. Pipe free, pay when received. Farmers' Association, Maxon Mills, Kentucky.

HOMESPUN TOBACCO—5 lbs \$1.25; ten \$2. Write for prices on other grades and cigars. Satisfaction guaranteed. Pipe free. Pay postmaster. Farmers' Union, Paducah, Ky.

LOOK! Five pounds good mellow smoking tobacco, \$1.00. Five pounds chewing, \$1.25. Quality and satisfaction guaranteed. Farmers' Club, 110, Hazel, Kentucky.

LEAF TOBACCO—Selected chewing, 5 pounds \$1.50; ten \$2.50. Best smoking, 5 pounds \$1.25; ten \$2. Satisfaction guaranteed. Pipe free, pay on arrival. Cigars 50 for \$1.80. Cooperative Growers, Elva, Ky.

HOMESPUN TOBACCO GUARANTEED—Chewing, five pounds, \$1.50; ten, \$2.50. Smoking, ten, \$1.50. Pipe free, pay when received. United Farmers, Bardwell, Kentucky.

HOMESPUN TOBACCO—Smoking or Chewing, 4 lbs., \$1; 12, \$2.25. Send no money. Pay postmaster on arrival. Pipe free for ten names of tobacco users. United Farmers of Kentucky, Paducah, Ky.

MELLOW Old Red Chewing or Smoking, 5 lbs. \$1.00, eleven \$2.00. Pipe free. Tobacco Growers, Saldalia, Ky.

POULTRY

POULTRY—Dark, White Cornish, Buff Cochins, Partridge Rocks, Speckled Sussex. Also other varieties. Ducks, geese, turkeys, guineas. Arthur Jarvis, Waveland, Indiana.

"WORLD'S WONDER" ANCONAS, greatest layers. Single comb cockerels, \$5.00; pullets, \$2.50. Beautiful bronze tom turkeys, \$12. H. Cecil Smith, Rapid City, Mich.

"TANCHED" WHITE LEGHORNS—Barred Rocks, Buff Orpingtons, Rhode Island Reds. Stock. Prices right. Write. Fenner Bailey, Ray, Indiana.

WHITTAKER'S RED COCKERELS, pedigreed from high-producing hens. Both Combs. Write for prices. Interlakes Farm, Box 9, Lawrence, Mich.

WHITE WYANDOTTES—some nice Cockerels for sale at reasonable prices. Satisfaction guaranteed. Fred Berlin, Allen, Mich.

"RINGLET" Barred Rock breeding cockerels, 6 to 8 lbs., nicely barred. Satisfaction guaranteed. Earl Murphy, Britton, Mich.

CHOICE WHITE ROCK COCKERELS from prize winning stock. R. C. Smith, Oxford, Mich.

SUPERIOR RINGLET Barred Rock Cockerels, extra fine large fellows. L. Wyndham, Tiffin, Ohio.

SILVER LACED Golden and White Wyandotte Cockerels. C. W. Browning, Portland, Mich.

CHOICE WHITE ROCK COCKERELS from prize winning stock. R. C. Smith, Oxford, Mich.

PURE-BRED TOULOUSE GANDERS, \$5, geese \$4. Dan McAvoy, Laingsburg, Mich.

JERSEY BLACK GIANTS—splendid Cockerels, \$5 to \$8 each. Elmvalle Farm, Turner, Mich.

TURKEYS

PURE-BRED MAMMOTH BRONZE TURKEYS—Champion Strain. Earl & Merle Phelps, Dowagiac, Mich., R. 7.

TURKEYS—All breeds, strictly pure-bred. Special prices. Eastern Ohio Poultry Farm, Beallsville, Ohio.

MAMMOTH BRONZE TURKEYS—Gold Band Strain. Unrelated stock. Mrs. Perry Stebbins, Saranac, Mich.

PURE-BRED BOURBON RED TOMS, \$10 and \$12. Mrs. John Miller, New Lothrop, Mich.

NARRAGANSETT TURKEYS—large hardy birds from choice stock. Ernest Clement, Ionia, Mich.

TURKEYS—Bourbon Reds, hens \$8, toms \$12. F. J. Chapman, Northville, Mich.

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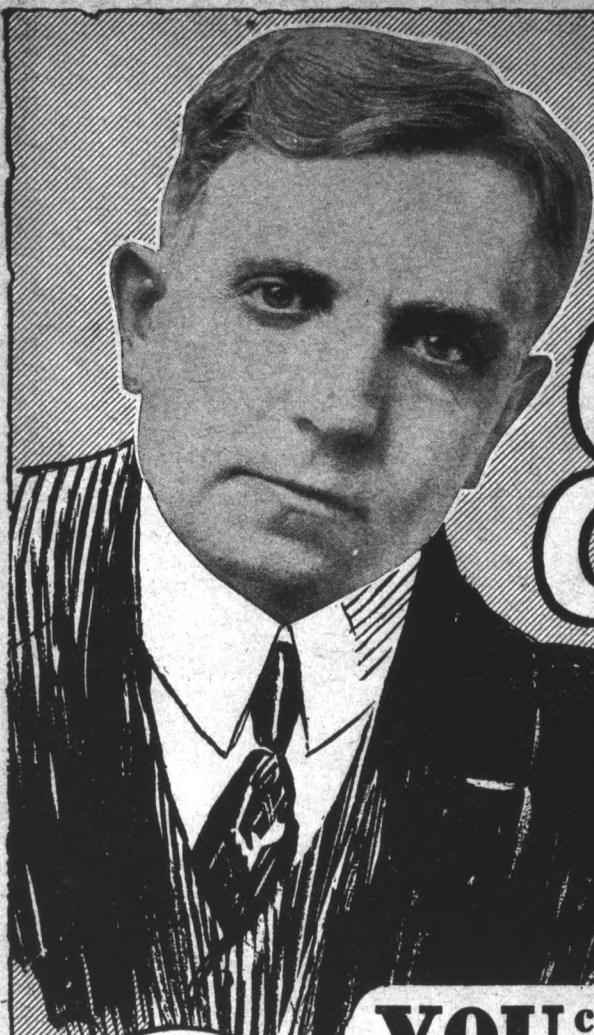
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