

# MICHIGAN FARMER

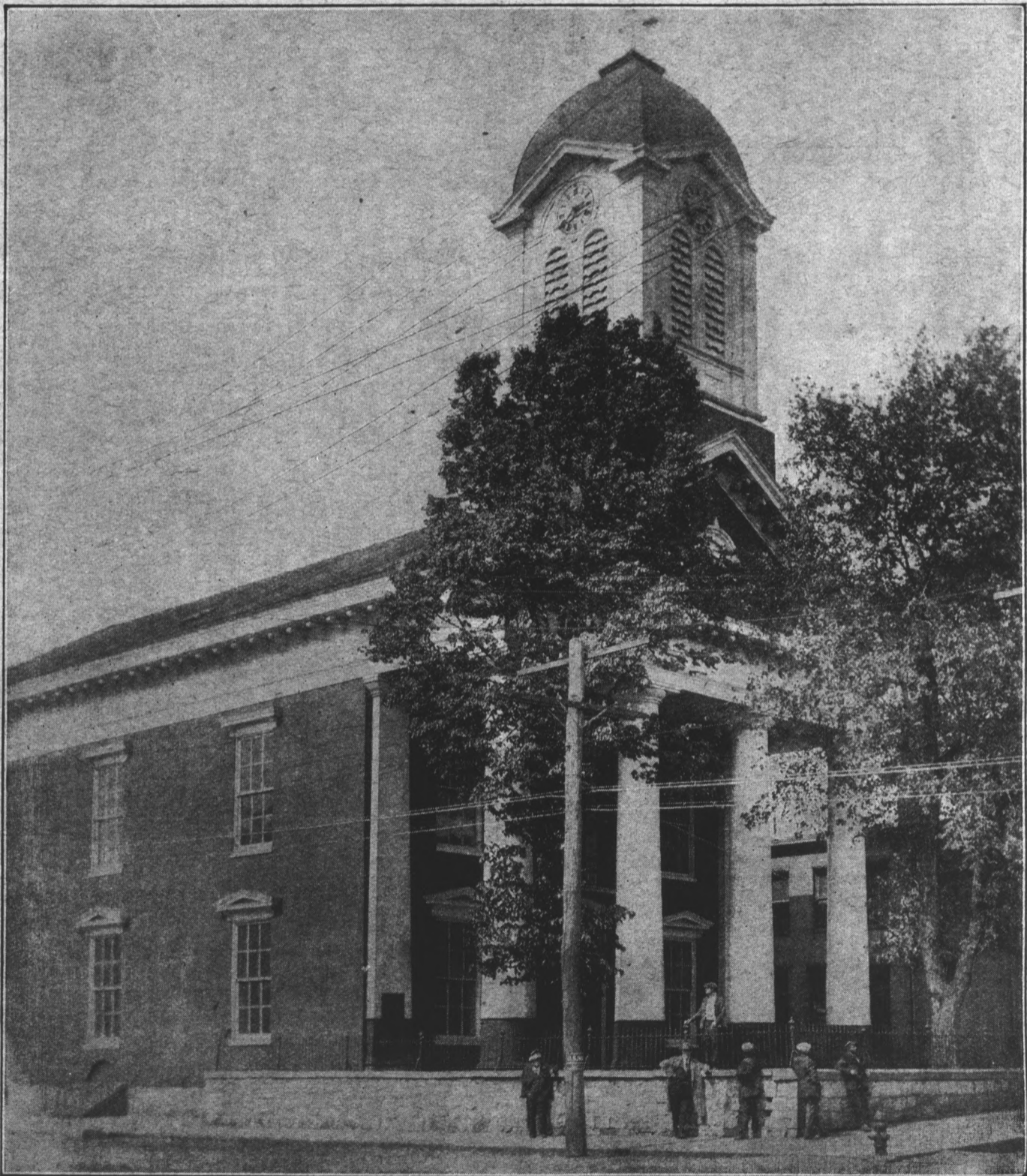
AND  
*LIVE STOCK*  
PUBLISHED WEEKLY.

*JOURNAL*  
ESTABLISHED 1843.

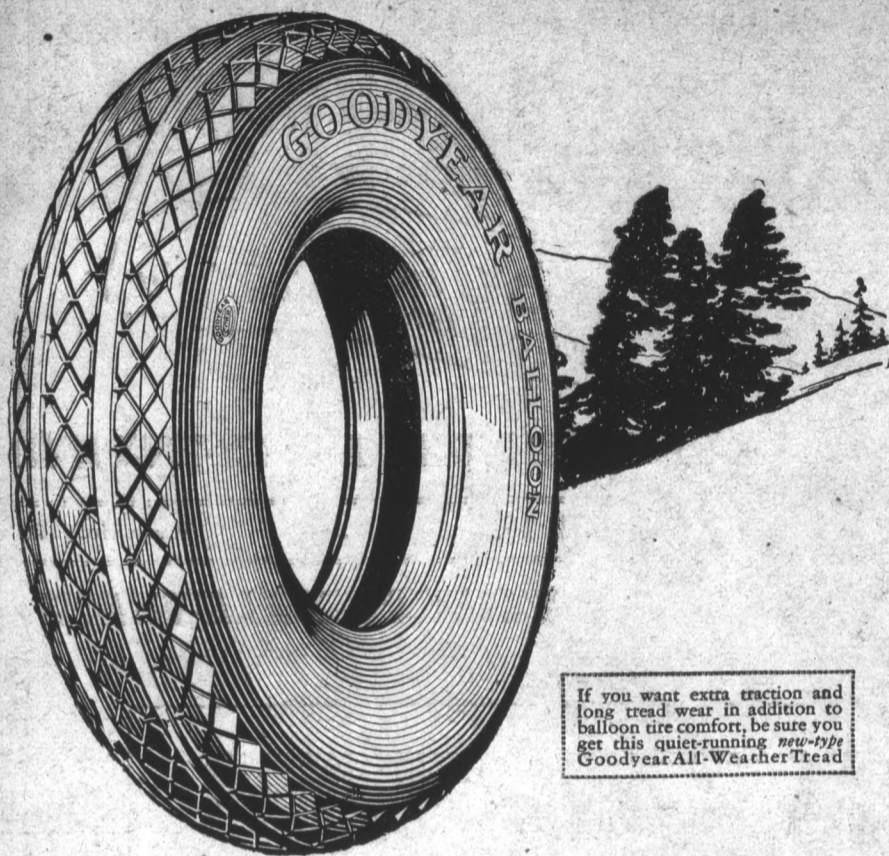
Vol. CXLVIII No. 23

DETROIT, MICH., SATURDAY, JUNE 4, 1927

Whole No. 4762



Courthouse in Charlestown, W. Va. Where John Brown Was Tried. Charlestown Was Surveyed and Laid Out by Washington and Named in Honor of His Brother, Charles Washington



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Goodyear Means Good Wear

# GOODYEAR

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## News and Views

From Ingleside Farm

By Stanley Powell

WE'VE been puzzling a long time over just the right name for this column. After considering carefully what we wanted it to be, and after discarding a number of titles that somehow just didn't seem to fit, we have selected this one, "News and Views from Ingleside Farm."

In the first place, we wanted to reassure our readers that this was a humble column, penned in a real farm home, by an actual farmer—not conjured up out of the fertile brain and active imagination of an editor whose thoughts were continually disturbed by the roar and clamor of metropolitan traffic.

Now that you and I have reached a little better understanding, and are in a fair way toward getting acquainted, let's talk over our plans a little further.

### What we Mean by News.

From time to time we'll probably tell you how things are going on Ingleside Farm—report our achievements and our failures, share with you the benefits of any new ideas or methods which we may have found helpful, and point out the pitfalls into which we have unwittingly fallen.

We don't mean to imply that we have any superior knowledge, skill or ability more than that possessed by other farmers, but there is always the possibility of practical gain from an exchange of experiences.

This is a generation when farmers must think, and think straight. It will not suffice to follow blindly in the rut of previous practice, or to do things a certain way, just because that is the way that our fathers did them before us. Changing methods are demanded to meet changing conditions. In the face of perplexing present-day problems, all our ingenuity is demanded to make a success of the business of farming.

### Farmer's Broad Interests.

But life is more than food and raiment. Farm life is vastly more than merely trying to make a living from crops, live stock, fruit or any other farm products.

Let us not forget that it profits a man nothing to gain even the whole world if meanwhile he is losing his own soul in the transaction. We farmers are more than mere producers—we are members of the nation's largest and most essential craft, citizens of our communities and charged with important family responsibilities. It is of these broad and vital matters that we shall write in coming issues of the Michigan Farmer.

The farmer is not a workman or business man at one time, and a family man or community citizen at another. He is all these things, and more, too, at all times.

In no other industry is the business and the home so closely and intimately associated as in agriculture. That is probably the key to the basic explanation of the fact that the rural homes have made such a notable contribution to American progress through all the history of our republic.

The great catastrophe perpetrated by the mad butcher of Bath has impressed upon us all the serious consequences which come from harboring the wrong kind of thoughts regarding our fellowmen and public progress. The tragedy enacted by Andrew Kehoe should be a personal warning to each one of us.

It is said that his farm was one of the best equipped in Clinton county, but he had not kept his mind happy, wholesome and forward-looking. His villainous deed shows that it does make a great deal of difference how a man thinks and feels on public ques-

tions. It proves once more the truth of the old statement that, "As a man thinketh in his heart, so is he."

### Ammunition is Plentiful.

This fact makes it seem perfectly natural to mix "views" on many matters of mutual interest along with the "news" of farm affairs, and to print both types of material in the same column.

Having such a broad field to draw from, there is little danger that we shall run out of ammunition or find the preparation of material for this column monotonous.

We don't want this to be all one-sided. In fact, it will make us very happy to have the news and views from your farm, and to print extracts from your letters from time to time.

## News of the Week

Canada has decided to break her trade agreement with Russia. The Canadian government says Russia has broken several sections of that agreement.

Captain Charles Lindbergh, twenty-five years old, flew in a single-motored monoplane from New York to Paris in thirty-three and one-half hours, covering 3,600 miles without stopping. As a result, no man in recent times has received the hero worship that this modest young man is receiving. He arrived in Paris on May 21.

Commander Francesco de Pinedo, of Italy, tried to fly from New Foundland to the Azores, but landed in the ocean and was picked up by a schooner.

There is renewed hope for Nungesser and Coli, the French aviators who tried to fly from Paris to New York three weeks ago, according to reports from Newfoundland.

Over two thousand delegates from all parts of the world attended the Fourteenth Annual Foreign Trade Council in session in Detroit.

Charles Lindbergh's mother, Mrs. Charles Lindbergh, lives in Detroit, and teaches chemistry in the Cass Technical High School.

A five-day battle to hold the levee protecting Pointe Coupee parish, Louisiana, famous for its sugar-growing lands, was lost when the levees broke and the lands were flooded.

East Lansing voted on closing the theaters and movies on Sunday. The vote was 520 to 398 in favor of keeping them open.

Senator James Cousins has offered to pay for the rebuilding of the Bath school house, which was wrecked by an explosion two weeks ago. He will also contribute funds to help those who lost relatives in the explosion.

Wilmington, N. C., suffered a fifty-three-day drought. It was broken twenty-four hours after the ministerial association had asked all the religious organizations to pray for rain.

The world speed record was made by Lieut. R. Irvine, a navy flier, who flew 130.93 miles an hour.

Electric lights have been installed in the ruins of Herculaneum, which have been unearthed near Naples.

Lieuts. Carr and Gillman, of Great Britain, attempted a flight from England to India, had to land in the Persian gulf after a flight of thirty-four hours and thirty-three minutes.

Two thousand gallons of milk were poured in the gutter in Montreal, Canada, at orders of the health authorities because it was thought that the milk was responsible for the typhoid outbreak.

Premier Mussolini, of Italy, has pronounced himself dictator of Italy for fifteen years, during which, he says, he will build a giant war machine for the coming crises in 1940.

Lieut. J. A. Doolittle made an "outside loop" in his plane at McCook Field, near Dayton, Ohio. He is the first one to successfully attempt a "loop" with the aviator on the outside of the circle.

The fifteen millionth Ford was turned out at the Highland Park plant of the company on May 26. It will have a place in the Ford museum beside the first Ford made.

The British Commons voted to break trade relations with Russia.

A fire in the Everglades in Florida is causing anxiety in Miami, as it is making progress toward that town.

DEVOTED  
TO  
MICHIGAN  
—  
VOLUME CLXVIII

# MICHIGAN FARMER

LIVE STOCK  
PUBLISHED WEEKLY  
JOURNAL  
ESTABLISHED 1843.

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

QUALITY  
RELIABILITY  
SERVICE  
—  
NUMBER XXIII

## The Ames Cattle Feeders' Day

*Some Interesting Results Are Reported From the Past Season's Work*

**T**HAT the recent high cattle market has aroused interest among farmers in the cattle feeding business was evidenced by the fact that some 1,600 farmers left their rushing spring work to attend the annual Cattle Feeders' Day at Ames, on May 5.

The experimental work in cattle feeding at the Iowa State Experiment Station for the past season, was carried on with twelve lots of cattle, and the work was divided into three phases—the hay and roughage phase; the grade phase; and the age phase.

It was their purpose in the roughage phase to determine the value of corn silage when placed in the standard fattening ration of shelled corn, linseed oilmeal, and alfalfa hay. The grade phase was designed to show which of the various market grades of feeder cattle returned the greatest margin over costs when finished out for market. Whereas, the age phase of the trial was expected to show what

age of cattle was most desirable to put into the feed lot.

With these questions before them Prof. John M. Evvard, head of the animal husbandry experimental section, and his staff, started their twelve lots of cattle on feed December 30, 1926, and continued until April 29, 1927, for a total of 120 days.

Lot 6 was used as a general check lot and received the standard ration of shelled corn, linseed oilmeal, and alfalfa hay. When fed in this manner the steers made an average daily gain of 3.197 pounds, at a cost of \$10.09 per cwt. gain, and returned a margin, excluding the returns from pork following the cattle, of \$16.15.

Another lot of cattle, or Lot 1, was fed the same as Lot 6, except that they received corn silage. The steers receiving this ration made an average daily gain of 3.079 at a cost of \$9.03 per cwt. gain. At the estimated price

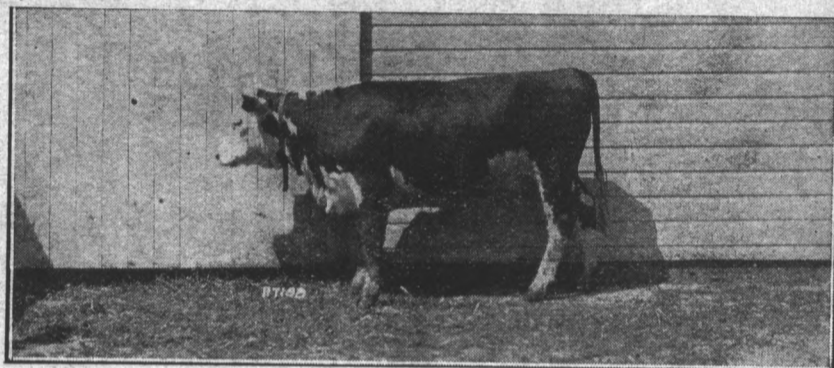
By Clarence G. Turner

which was placed on them by Thomas H. Cross and Gene McAdams, both from Chicago Live Stock Exchange, they returned a margin of \$24.15. When compared on this basis it was found that one ton of corn silage at the price charged of \$5.50 to be equal

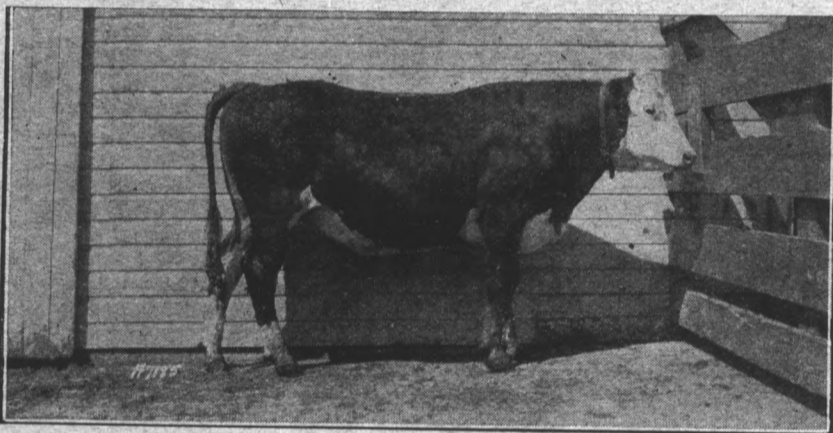
seed, the results returned by Lot 3 receiving the mixture, did not show up so well as did Lot 2.

It was found in Lots 4 and 5 that the minerals supplied by adding soil to the ration did not return any increased margin over the lot receiving no mineral at all.

In the grade phase of this experi-



Heifer Calves Took on Finish More Rapidly than the Steer Calves.



If Common Steers Are Bought Cheap They Are Good Feeding Prospects.

to one-half ton of the alfalfa hay, which was charged to the cattle at the price of \$20 per ton.

The addition of a simple mineral mixture to above ration improved it still further by reducing the cost of 100 pounds of gain to \$8.39, and by increasing the margin to \$32.01. Thus by adding one ounce of a mineral mixture that cost about three cents per pound, to the daily ration, the increased return amounted to \$7.86. This simple mineral mixture consisted of limestone, high calcium, ground, 49.97 pounds; special bone meal, 49.97 pounds; potassium iodide, .06 pounds.

When this mixture was varied by the addition of iron oxide, manganese sulphate, vegetable charcoal, and anise

ment three lots of steers were used: one lot was good to choice feeders; one lot medium grade feeders; and the other lot was common grade feeders. All were fed the ration of shelled corn, linseed oilmeal, and alfalfa hay. The average daily gain was the largest in the case of the choice grade, as was also the cost per 100 pounds of gain the cheapest in this lot, but due to the abnormal market conditions the margin over costs was the largest in the case of the medium grade. Just which grade of cattle a farmer should put into his lot will depend upon the market conditions at the time of purchase and the anticipated market conditions at the time of

(Continued on page 734).

## The Front Door of the Farm

*A Clean-Well Kept Roadside Greatly Helps Appearance of Farm*

**A**N idea of the thrift and success of the farmer is often formed largely by the appearance of the roadside along his farm. A stretch of weedy, desolate, neglected roadside abruptly terminating at a line fence, and the adjoining fence clean, neat, and well kept, often causes a considerable difference in our conception, agriculturally, of the two farms, as well as of the persons operating them.

Some farmers evidently consider the roadside along their farms as distinctly separate from, and wholly outside of their jurisdiction, and any time or labor expended in keeping it up as so much gratuitously donated to the public. Every farmer should consider the roadside along his farm as deserving as much of his attention as the farm itself. He should consider the road the "front way" to his farm, and, instead of it receiving secondary attention, it should be one of the first places by which the appearance of the farm is improved.

At first thought, to cut the weeds along the road, while back in the corn-field they are growing rank, seems

rather absurd, but it also seems absurd to cut the weeds in the corn field while those by the roadside are left to thrive, and help to reseed the field again.

If weeds are not in harmony with our ideals of good farming, why is it not good policy to direct the first efforts in the way of their removal, to the roadside, thus not only benefiting ourselves but all who travel the highway, as well?

Benefits derived from keeping the roadside neat, are not alone esthetic.

Financial returns, though somewhat indefinite, and rather roundabout, are considerable. In the first place, a neat, clean roadside improves the appearance of the farm. Appearance is the controlling factor affecting the value of the farm. Hence, to improve its appearance, increases its value. Second, the land in every locality or community has a general reputation to sustain, or to be ashamed of, as the case may be. This general reputation will be what the average conditions in the locality merit. This reputation affects, more or less, the value of each

single farm in the group, regardless of its individual merits. From the fact that non-residents of a community give it its reputation, and that one of the chief factors governing their decision is the impression they receive while passing through the locality, it is evident that a nicely kept roadside has a great influence in raising the agricultural reputation of a locality. Better reputation means increased value. Third, an unkept roadside soon becomes foul with weeds that grow worse from year to year.

Naturally, this is a source of infection to the surrounding land. Small sprouts and vines appear along the fences, and, if not destroyed, will soon develop into large tangled vines and saplings. To replace a fence under such conditions, practically necessitates a small job of clearing. Eliminating brush and weeds leaves space for productive sod which can be used as pasture.

Often a farm is seen provided with the best of equipment, good fences fine premises and well planned buildings, and a good stretch of roadside

wholly neglected. Such inconsistency is like putting a dirty collar on a nice clean shirt. A clean roadside should be one of the first steps in consistent farm operations. Where a ditch runs along the road, as is often the case, keeping the roadside clean is, of course, a little more difficult. There is considerable distance along our front that has a large ditch. Of course, to keep the level roadside clean, we use a two-horse mower with the cut-bar set at an upward angle so as to pass over all little knolls or bumps. Then the scythe is used to mow along the ditch and near the fences where the mower cannot pass. Often the cows are permitted to graze along the roadside for a while, and also the flock of sheep is often turned out in the lane to graze on the young grass, and, in fact, I try to use any convenient way to keep down the foul growth, and where it can be made use of so much the better, and I find the sheep do a good deal of the work and, of course, in this way the foul growth is turned to good account. Let's clean up, what do you say?—P. R. R.

MICHIGAN SECTION THE CAPPER FARM PRESS



Published Weekly Established 1843 Copyright 1927

The Lawrence Publishing Co.

 Editors and Proprietors  
 1632 Lafayette Boulevard Detroit, Michigan  
 Telephone Randolph 1530

 NEW YORK OFFICE, 120 W. 42nd St.  
 CHICAGO OFFICE, 608 South Dearborn St.  
 CLEVELAND OFFICE, 1011-1013 Oregon Ave., N. E.  
 PHILADELPHIA OFFICE, 261-263 South Third St.

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 extra for postage.

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 inch (14 agate lines per inch) per insertion. No ad-  
 vertisement inserted for less than \$1.65 each insertion.  
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 home problems.

VOLUME CLXVIII NUMBER TWENTY-THREE

DETROIT, JUNE 4, 1927

## CURRENT COMMENT

On Mar-  
ket Devel-  
opments

IN commenting last week on Senator Capper's appeal for the development of the rural markets of America by relieving the commercial handicaps to farmers, we did not wish to give the impression that foreign demand for American products should not be given consideration.

Wherever goods produced in the United States can contribute economically to the welfare and happiness of mankind, there those goods ought to be sold. The sessions of the Foreign Trade Conference now being held in Detroit, seek to promote that very thing.

One result of foreign trade is that it develops between nations a sounder understanding than can possibly be brought about by any other means. True it is, that nearly all wars are the result of economic differences or misunderstandings; still, the very fact that nations will take such extreme measures to settle these matters proves the need for establishing a sound code for international business.

But the chief reason for trading between nations is economic rather than political. The world standard of living is higher because of this traffic. Goods move to the points of greatest demand, which tends to level prices. Both producers and consumers are benefited. International business tends to make the world a community.

But in spite of these worthy advantages, there are many good reasons within nations for placing restrictions upon this foreign traffic. Of these restrictions, tariff regulation is the most important. The tariff not only affects relations between nations, but may give advantages or disadvantages to industries or groups within the nation imposing them.

At this time there is criticism along this very line of our own Federal De-

partment of State. It is contended that this department is favoring manufacturers as against farmers. Reports are that it has asked that no investigation be made of the cost of producing onions in Spain, since any restrictions placed on that industry would tend to curtail the consumption of American manufactured articles by Spain's imposing increased duties thereon. The same department is reported to have importuned the secretary of agriculture not to stain alfalfa seed from Argentina for a like reason. And if we are correctly informed it also wants the Federal Horticultural Bureau to soften regulations against the Mediterranean fruit fly.

These allegations came from a reliable source, and they prove how it is possible for our own government agents to use the tariff, which was designed to protect the American standard of living as a whole, to favor one group against another.

While foreign business should have assistance, we believe that government departments ought to act justly to all American groups in the promotion of both foreign and domestic trade.

About  
Hero  
Worship

THE world has seldom witnessed such an example of hero worship as that which has been paid to Captain Charles Lindbergh after his successful non-stop airplane flight from New York to Paris. This young man, unknown three weeks ago, came to public attention when he flew from San Diego to New York with but one stop, and announced that he was going to fly to Paris.

His intentions and his deed were thought to be ill-considered and foolhardy; but in reality, the young man had planned the trip for over a year.

## MICHIGAN FEEDERS' DAY.

ON Thursday, June 9, at ten o'clock, Michigan feeders will gather at the Michigan State College at East Lansing, to inspect the experimental work of the Animal Husbandry Department of that institution for the past year. This has come to be an important and a popular annual event for Michigan live stock men. The practical phases of the past season's work will add much to that popularity. Although this is a busy time, any farmer having much stock to feed will find it to his advantage to be at the college on that day.

He went alone, without provision for landing in water, with little food, and no baggage, and in a monoplane which gave him no vision except through a periscope. He had confidence because he had carefully studied every detail.

It is not alone his accomplishment that has made him popular; his extreme modesty and his consideration of others has added to his esteem. Lindbergh is not the product of the crowd. He is a farm lad who liked to be alone with his thoughts. But few of the frivolities of life interest him, and his clean habits and character have added to his fame.

Lindbergh is due all the honors he has received, and America can be proud that such a clean-cut American youth has gained this world-wide recognition. We believe that, as with all who have really accomplished worthy things, Lindbergh has found the satisfaction of doing worth while things to mean more to him than the plaudits of the crowd.

We hope that Lindbergh remains unaffected by popularity, for his example will do more toward leading the

youth of the world to wholesome living and worthy deeds, than ten thousand sermons, and we believe in sermons, too.

How About  
These  
Questions?

ARE poor roads a handicap to your community? Has the failure of the farmers around your marketing center to cooperate, been of any disadvantage to you? Has the migration of leading families to the city resulted in an unfavorable social change in the neighborhood? Does distance from a trading center handicap you in buying the goods you want, or in securing medical service, or in enjoying musical entertainments? Has education in scientific agriculture helped you to produce efficiently? Do farmers make more profits in your community when they work twelve hours, than they would if they worked eight hours per day?

These questions will naturally cause many to think. Scores of readers will have definite information bearing upon some or all of them, and naturally we shall be pleased to hear from anyone upon these matters. But what we wish specifically to state, is that these will be among the questions to be discussed by Master Farmers and others at the annual meeting of the Country Life Association, which meets at East Lansing the first week in August. Farmers in planning their outings should give this date careful consideration. Camp grounds are being arranged to keep the cost of attendance at a minimum.

The  
Price of  
Education

SINCE 1919, three hundred-ten graded schools, and four hundred-forty-six primary district school buildings have been constructed in Michigan, according to the Michigan Educational Association. The financing of these buildings has been done, either by direct taxation or by the issuance of bonds in accordance with a statute governing school districts in this matter.

The primary school fund is less than twenty per cent of the amount expended annually for public schools, the total expenditure for Michigan, which does not include the University, colleges, and state normals, exceeded \$80,000,000 last year. At sight, this is a large sum. Proportioned among Michigan's 850,000 school boys and girls, the average per capita cost is \$77.70. For the rural schools it is \$57.45; for graded schools, \$40.31; and for accredited high schools, \$92.12.

But, is \$57, or even \$92, too much to pay annually for the educational advantages of our children? If farm boys and girls are to be prepared through better training to play the game of business successfully with the better educated, better organized industrial groups, they are deserving of every educational advantage.

The  
Control of  
Crime

CRIME has become a big factor in our lives. Our newspapers display prominently in minute details the sordid diversions from wholesome and honorable living, while legislatures in many states are considering legislation that may have a deterrent effect on crime.

Where laws prevail to prevent criminal lawyers from making a football of the law, and where "repeaters" are given stiff sentences, legislation has effectively reduced crime. The Baumes law in New York has produced good results, and Wisconsin has long been known for its lack of crime because of its effective criminal laws. The new criminal code passed by our last legislature promises to produce equally as good results as has been obtained in these other states.

However, while enforcement of effective laws will keep crime down fundamentally, education is the basis

on which crime can be reduced to a minimum. In city schools petty thieving is common, even locks are manipulated with dexterity. There must be something wrong in the home or the school education of such young folks that they do not recognize the property rights of others. If there are thousands of families in this country that can not, or will not, impart to their youth the fundamentals of honorable and wholesome manhood and womanhood, then such teaching should become a part of the work of the public school or some other public agency.

In this connection it is interesting to note that R. C. Sheldon, secretary of the Big Brother Federation, says boys' and girls' club activities help to reduce crime. Criminals, he said, are not produced over night, but effective and widespread efforts to make club work more popular will not only help the individual, but will greatly benefit the community.

## Musick

THESE days, when I'm out in the field and hear the birds singing, I wish I was a bird atweetin' on a limb instead of being a plow pusher and a gee-hawer. I'd like to be a bird because they make music, and I like music.

But it seems like some was created to work, like me and the horses, while others was made to produce sweet sounds like music, so me and the horses and other workers kin get some enjoyment out of life. I understand some of them jazz artists do nothing but make music, so they must be some birds. Still, there's others what work hard to make music for the pleasure of us common work folks. All of us what work, work for the pleasure of others. Most of the happiness and pleasure of the world is based on somebody's hard, gruelin' work.

I hope somebody is gettin' some happiness out of my hard work. I ain't, 'cause I'm more happy when I'm not workin'.

But I like music, 'cause it is agreeable sounds—it's harmony, rhythm, and melody. It helps one's feelings and makes one happy, or sad. Even when you're sad through music, you're enjoying your sadness. Music makes you forget the petty things of life that kind of get you agoing sometimes. But it also makes you think of the petty things of life when it's love music, 'cause music kinda makes you feel like pettin'.

I like music because it puts harmony in life. It kind of helps one to forget the discord. Music ain't music if there's discord in it. But it seems like we've got to have discord before we kin make harmony. We've found that out by our Sammie practicing the fiddle.

Work to me ain't harmony, but resting and sitting under the shady tree is. I'm at peace with the world when I'm sleepin', but I guess some folkses ain't even then, 'cause they're kickin' and seein' spooks, even in their sleep. Sofie says I'm so harmonious in my sleep that I make music, but she ain't particularly fond of my songs of the night. She says they sound like the rhythmic sawing of wood. Really, she thinks I sound more like work at night than during the day, and if I only worked as hard as I sounded, I'd be a hard worker. Well, you kin never tell by the song of a bird what kind of plumage it's got.

HY SYCKLE, Musickologist.

Reports from Mecosta county indicate that the use of commercial fertilizers has been doubled by the campaign for the use of high-grade and adapted analyses.



# Developing Rural Music Appreciation

*Some Interesting and Effective Work With Young Folks in Wayne County*

By Frank A. Wilken

THE present tendency of life is toward greater leisure. Even on the farm, improved machinery and more intensive culture of fewer acres will gradually bring more time for recreation. It will be necessary for common good that the energies used in this leisure time be directed toward wholesome things.

All through the ages music has been an important factor in the recreation, relaxation, and inspiration of the people. It is one of the greatest means of enjoyment, expression, and education, for it is universal in understanding, and in expression it can convey any emotion of which a human is capable.

Carlyle has said, "See deep enough and you see musically; the heart of nature being everywhere in music, if you can only reach it."

In the shaping of a well rounded life, the necessity then is, that the study of good music be part of its education. The city schools have realized this and are making available comprehensive music courses to those even in the grammar schools. One Detroit high school has \$22,000 worth of instruments available to the use of its students, and its orchestra and band have gained enviable reputations beyond the borders of that city.

In rural sections, the study of musical understanding and appreciation has not been developed as it has in urban centers because of the lack of facilities and capable instructors. Consolidated schools are making it easier and the radio is bringing good music to many who never heard it before. Still, thousands of young folks seldom

hear good music in their homes, or in schools and therefore, do not know the benefits one can get through it.

This makes the work done in Wayne county by Miss Lois Corbett, Home Demonstration Agent, and Ralph Carr, County Agricultural Agent, of an outstanding and pioneer type. They have interested boys and girls in music in addition to their regular club

The thought was that the regular club work involved only the practical side of youthful activities, and that an interest in music would develop the emotional and aesthetic side of life, and would help to make the club work a well-rounded program of constructive training for the rural youth.

The regular club work is often done in connection with rural schools, the

lingly. The efforts that winter were directed wholly to teaching the recognition of tunes and melodies and the interpretation of those melodies.

Some rather amusing incidents occurred in connection with this work, Miss Corbett said. "In one case, where the 'Whistler and His Dog' was played, a pupil imagined it referred to a wedding, perhaps because it started with a march. The march really indicated that the whistler was going somewhere. The rest of the piece brought out the music of a band, perhaps at a circus or in the park, and it ended with the dog barking, thus indicating that the boy was not alone."

"At one school," Miss Corbett, telling of another incident, said, "The teacher told of the life of Robert Schuman, composer of Traumeri, in a rather matter-of-fact and practical way. Then Traumeri was played and several of the pupils remained listless and uninterested. If the teacher had told that young Schuman, lying on the grass, gazing into the blue sky and letting fancy roam, evolved the tune of Traumeri, the pupils, with a familiar background, might have had a different conception of it."

In reply to the suggestion that their imaginations were considerably warped, Miss Corbett said, "Yes, warped, but better warped than dormant."

In some of the school districts musical understanding was found in its crudest form—almost entirely absent. In one such place the teacher, by diligent effort, had trained the children to sing "America the Beautiful." The efforts were fine for them, but, comparatively, they were very bad. How-

(Continued on page 723).



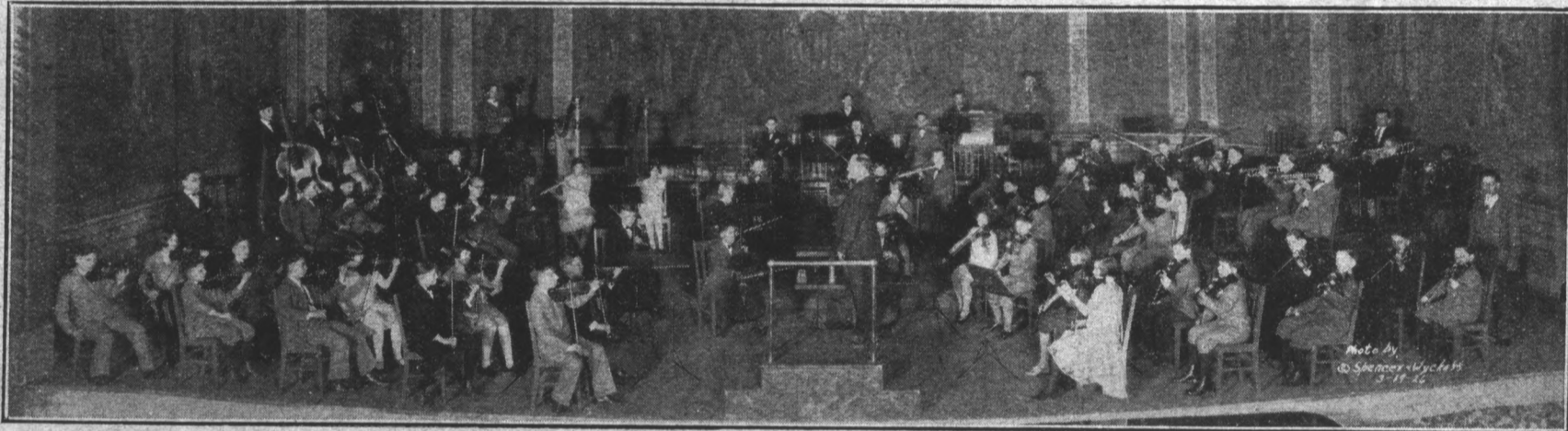
Wayne County Young Folks Vote Enthusiastically for Music.

activities. The high average of ninety-three per cent of the young folks who finished their recent winter club projects and the attendance of over 400 at the Achievement Day activities on April 23, show that they have the young people interested. This is commendable because both are doing this club and music work in addition to their regular duties.

Mr. Carr has long felt the need of musical training for rural children, but it was not until Miss Corbett undertook the home demonstration activities that a practical program was worked out.

rural teacher acting as local leader. So, naturally, the music appreciation work should find its best field in the schools. The chief objection was that most schools did not have facilities. Miss Corbett overcame this handicap by procuring a good portable phonograph and records of some semi-classic music familiar to those who know good music.

Two years ago, Miss Corbett started out with this equipment which, by the way, is rather heavy for a young lady to handle. She received a fine response to her efforts from the young folks, and the teachers cooperated wil-



The Detroit All-city Elementary School Orchestra, Composed of Outstanding Students, and Led by Fowler Smith, Entertained the Young Folks.

## The Importance of Green Manures

*Big Factors in Maintenance of Soil Fertility*

EVERY resident of the state of Michigan is affected financially and socially by the soil conditions. In many sections of the state the status of the soil fertility is the outstanding problem. One of the greatest needs of Michigan soils is organic matter. Following are methods of supplying this need:

1. Use of green manures and crop residues.
2. Grow legumes to maintain nitrogen content and organic matter.
3. Plan a legume in the crop rotation.

The question may well be asked, "What are green manures?" By the term "green manures" we mean crops grown for the purpose of plowing under, thereby maintaining or increasing the fertility of our soil. Soil fertility depends in general on three sets of factors, namely, physical, chemical,

and biological, although the latter may ultimately be expressed in terms of the chemical factors.

Organic matter increases the moisture-holding capacity of the soil. When added to a stiff clay it loosens it and prevents the compacting of the soil; when added to a sandy soil it tends to bind together the sand particles and enables the soil to hold more moisture, thus preventing the rapid drying out during dry weather. For the best growth of plants, both air and moisture are needed around the roots. When a heavy soil dries and becomes hard, it shuts out the air. The roots then suffer, not only from lack of moisture, but from lack of air. In a soil full of organic matter, plant roots grow rapidly and extensively, but in a soil deficient in organic matter the growth is restricted.

Not only do plants make the better

growth in a soil well-supplied with organic matter, but the activities of the soil bacteria are largely dependent on the supply of decaying organic matter. These bacteria need food and air. They get the food from the decaying vegetable matter and can get the air much better in a soil well-supplied with organic matter than in a hard dry soil lacking organic matter. In sandy soils there is air enough, but the vegetable matter helps to hold moisture and thus helps the bacteria. The presence of organic matter also tends to keep the soil temperature more uniform.

Before green manures can be used by the next crop, they must decay. This is brought about by several microscopic organisms, and is a complex process. The mineral constituents are gradually set free and we find the potassium and phosphoric acid deriv-

ed from the decaying organic matter more available for the next crop than that naturally found in the soil. The decay of the organic matter also forms compounds that help to make more potash and phosphoric acid available. Thus it is seen that green manures actually add no potash or phosphoric acid to the soil, but they increase the availability of that already there. Many of the green manure crops get food from the subsoil and upon decaying this is left in the surface soil in proper form for the next crop.

The most important single element required by plants is nitrogen, due to the fact that nitrogen is the most expensive of any plant food element; larger quantities are used than of other elements; and that there is greater loss of nitrogen by leaching. There is a plentiful supply of nitrogen in the



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PARIS GREEN**

**Quick Death  
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**Ansbacher Insecticide Co.  
Chicago**  
*Makers of the First and  
Best Insecticides*

For a green manure crop to be useful to the following crop, it must decay. In the process of decay there are formed, at first, certain com-

The question may arise as to what crop to grow for green manure purposes. There are several things to consider in answering this question. When used in a rotation, alfalfa, sweet clover, or common clovers are usually used, the first crop being cut for hay or used for pasture, and the second crop plowed under for green manure. Sweet clover, a legume, is probably one of the best, if not the best, soil builder we have. However, it will not grow on an acid soil, so if the soil is acid and we cannot apply

Practically all soils of Michigan need organic matter. Beneficial results are obtained from its use on heavy clay soils as well as on sandy ones. The use of commercial fertilizers gives better results when used on soils containing plenty of organic matter. Soil improvement should be our aim, and with this in view, every Michigan farmer should include a legume in every crop rotation.

The same financial interests that have succeeded in blocking action on Muscle Shoals, Boulder Dam, the great Falls-Potomac River, and other vast water storage-power projects, will fight any move on the part of the

## AIRCRAFT DEVELOPMENT.

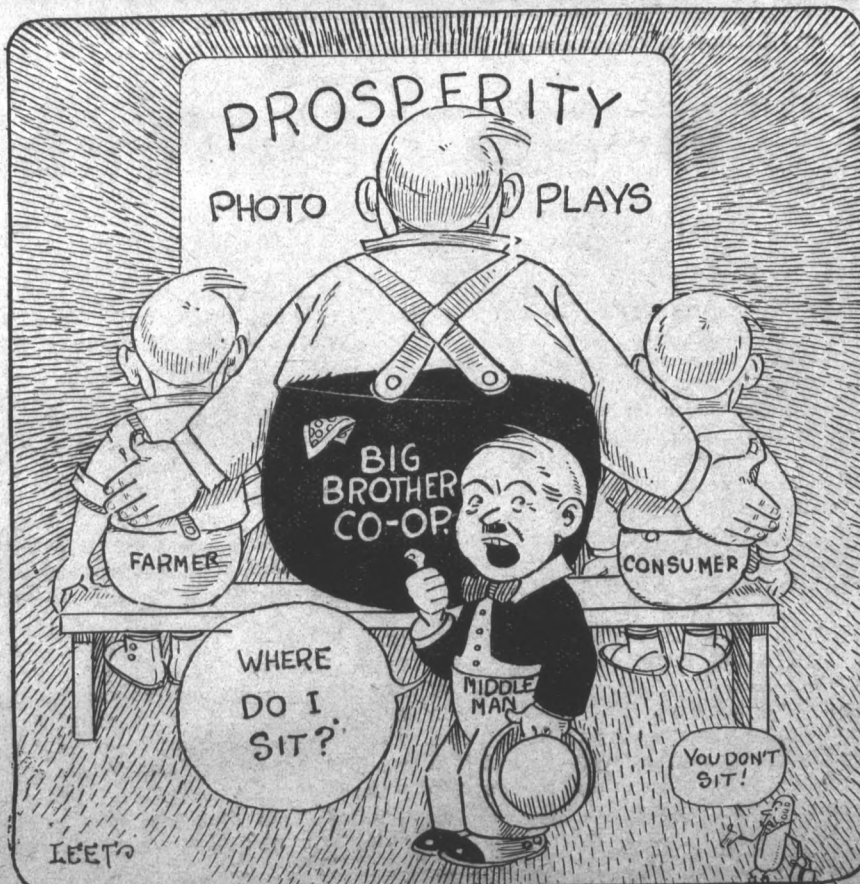
NEARLY 50,000,000 miles were flown by American aircraft of all sorts during 1926, according to Assistant Secretary of Commerce William J. MacCracken. Reports from all air operators indicate that 94,353 passengers were carried on planes free of charge during the year. The number of paying passengers transported totaled 676,567. The total number of hours flown was reported 234,313, and pay freight carried amounted to 418,986 pounds.

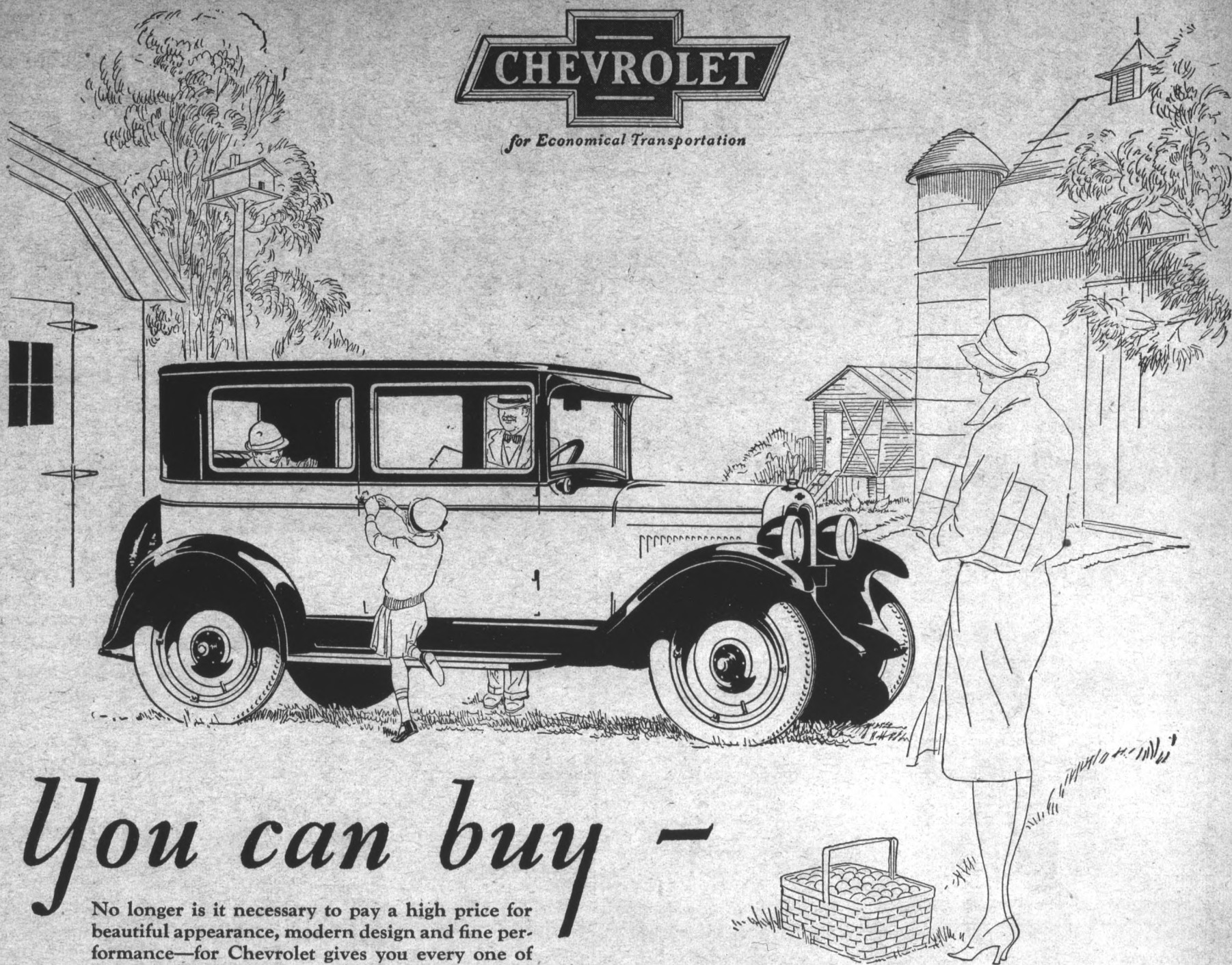
## EXTENT OF FLOOD DAMAGE.

IT is estimated by the crop reporting Board of the Department of Agriculture, that at least 3,800,000 acres of crop land has been flooded during the present overflow of the Mississippi river. This is the largest area flooded of which the government has any record.

The losses of cattle and hogs are reported to be very large. In Mississippi it is estimated by government authorities that 10,000 cattle and 50,000 hogs have been drowned. While the losses are considerable in other states, it is not thought that they will equal those in Mississippi. In the rehabilitation of this region it will mean the purchase of many cows and breeding hogs in other states outside the flooded area. Many horses and mules will have to be brought in from other sections.

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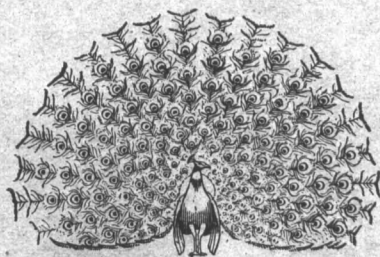
And Chevrolet performance will delight you wherever you go. Velvety smoothness at every speed up to wide open throttle. Flashing acceleration that denotes a tremendous reserve of power! Cradled riding ease over the roughest roads!

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Q U A L I T Y A T L O W C O S T



## Getting the Good out of Grass

is easy. All you need do is turn your cows on it when it gets to the right stage, and feed a good grain ration night and morning.

There's a lot of good in fresh June pasture. It makes cows feel better and stimulates their milk flow. It's a tonic. But it positively will not produce a good milk yield alone because it has not enough of the necessary proteins, fats and carbohydrates.

This year, feed grain right through the pasture season. A simple ration will do and it is not necessary to feed heavily. The following inexpensive ration will bring your herd through the Summer in good condition and produce enough extra milk to more than pay for itself:

250 lbs. DIAMOND CORN GLUTEN MEAL	
400 lbs. Bran	Analysis:
300 lbs. Ground Oats	20% Protein 4% Fat
50 lbs. Hominy	8½% Fibre

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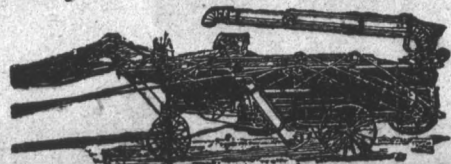
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THE Williams Grain Thresher has been on the market continuously since 1867. Sold on its merits. The result of over fifty-nine years careful and practical development. Threshers made of steel or wood are furnished with roller bearings if desired, which embodies all the latest improvements.

Manufactured by **CLARK MACHINE CO.**, St. Johnsville, N. Y.  
G. A. EATON, 121 Lenawee St., Lansing, Mich., Distributor for State of Michigan

## THE HANDY MAN'S CORNER

### TROUBLE WITH CHECK-ROWING.

Was much interested in your recent article, "Getting Corn Rows Straight," and wonder if you can help me in my difficulty. I have no trouble in getting straight rows lengthwise of the rows, but cannot get them straight crosswise, as they seem to zigzag, and it is impossible to cross-cultivate with a two-row cultivator. Some say I have the neckyoke too low, others too high; some say the wire is too tight, others too loose. Perhaps you can tell me what my difficulty is and how to remedy it.—R. G. R.

I doubt if the tension of your wire is at fault, provided you keep it the same all the time, and keep the line straight across the field. Keeping the spring half-way compressed makes a very good rule. After you have planted six or eight rows, go back a hundred feet or so, dig down under a button and locate the hills and set up short sticks in the hills on all six of the rows.

Now notice whether the hills are ahead or behind the general line, keeping in mind the direction the planter was going each time. If the hills are dropped behind the lines each time, the runners and the kick-out valve needs to be moved ahead, which can be done by shortening the neckyoke straps, or by changing the adjustment at the front of the planter if there is one. If this does not quite do the work, the wire tension can be loosened somewhat. If the hills are ahead of the line, drop the runners back by loosening the neckyoke straps or with the tongue adjustment. If still more is needed, use a tighter wire tension.—I. D.

### IS LARGE OR SMALL PULLEY BEST?

I have a three-quarter horsepower electric motor which drives a milking machine pump. The pump is equipped with an eighteen-inch pulley, and so necessitates a five-inch pulley on the motor in order to get the required revolutions per minute on the pump. Does a pulley of this size cause unnecessary wear on the motor bearings? Would it not be better to put a smaller pulley on pump and equip the motor with about a three-inch pulley?—J. H.

No, if your present five-inch pulley on the motor is carefully balanced, it will be easier on both your motor bearings and belt than a three-inch one would be. You have now a belt speed of about 2,300 feet per minute, which is a pretty efficient belt speed. If you put on a three-inch pulley, you will have a belt speed of around 1,400 feet per minute, which is too low, and will require nearly twice the belt tension that your present belt speed does. Also, with a three-inch pulley, both the belt slippage and the belt bending will be excessive, both of which will wear the belt pulley. Belt speeds should be kept as near 2,600 to 3,000 feet per minute as possible.—D.

### ECONOMY AND EFFICIENCY OF MILKING MACHINES.

AN extensive study as to the economy and efficiency of milking machines is being made by the Dairy Husbandry Department of Iowa State College, Ames, Iowa. While the work is not completed, the most recent results indicate that:

1. The use of the machine does not affect the milk flow.
2. With a herd of approximately twenty-five cows, time-saving amounts to about 48.5 per cent. One man with a machine can replace two men hand-milking.
3. One man operating two units is more efficient than if he attempts to operate three units.
4. Unless great care is exercised

in cleaning the machine and in operating it, the bacterial count will be higher than with hand-milking.

5. The sediment content of machine-drawn milk is lower than that of hand-drawn milk.

### BLOW-OUT.

WHEN a tube blows out inside the casing, it is because the tube is wrinkled, folded or pinched. Care should be used when placing the tube inside the casing to see that it is straight and smooth.

### SPRING CLIPS.

PUT a wrench on the front axle spring clips occasionally. You may avoid a broken spring, or prevent the axle shifting out of line. Incidentally, greater safety will be insured, together with less tire wear.

### KEEP THE GARAGE VENTILATED.

NEVER run the motor for any length of time in a small closed garage. If the carburetor adjustment is not perfect, the exhaust gases may contain the poisonous carbon monoxide.

### KEEPING POTATOES FROM CRACKING.

THE cracking of potatoes is generally due to growing conditions and is termed growth cracks. Growth cracks are of most common occurrence in seasons of heavy rainfall, particularly when a wet August and September follow a comparatively dry July.

Closer spacing of hills in the row is a common means of reducing this trouble. Generally, it is not so severe where the rows are thirty-six inches apart and the hills twelve to fifteen inches apart in the row. It is most pronounced where the hills are spaced both ways, say thirty-six by thirty-six inches.—H. C. Moore.

### BETTER CROPS SPECIAL A GREAT SUCCESS.

OVER 8,600 persons visited the better crops special train which recently toured the peninsula and made fifty-two stops enroute, reports Mr. C. E. Skiver, M. S. C. crop specialist, who accompanied the train. Over 1,200 tests of soil samples were made on the train at the request of farmers along the route, and several soil testing sets were distributed.

### PEDDLER'S LICENSE.

Does a person have to have a local license to peddle fish in a town or city?—E. C.

Compiled Laws 1915 Section 6,975, exempts meat and fish peddlers from the requirement to obtain a state hawkers' and peddler's license. License might be required by the ordinances of the city.—Rood.

An instrument that will measure a tenth of a thousandth of a millionth part of an ampere, has recently been perfected in the laboratory of the General Electric Company. It substitutes the human eye in making tests on current in radio apparatus.

The Ottawa County Egg and Poultry Producers' Association is making fine progress and expect to have 100,000 hens signed up before July.

The average condition of pastures for all states is 87.0 per cent. On May 1, 1926, it was 74.66 per cent of normal.

# ANNOUNCE 1927 CORN GROWING CONTEST.

A GOOD prize list is offered to winners in this year's five-acre corn growing contest. The sweepstakes prize will be eighty rods of wire fence and eighty steel fence posts.

For the contest this year, the state will be divided into three districts in which similar prizes will be awarded first, second, and third place winners. First prize is a ton of acid phosphate and a gold medal; second place is rewarded with a half bushel of Hardigan alfalfa seed and a silver medal; fifty pounds of binder twine and a bronze medal is the award for third place.

Contestants must be members of the Michigan Crop Improvement Association, in which the annual dues are one dollar per year. To compete in the contest, fields must be entered before July 1. Blanks can be secured from Ralph Morrish, farm crops department, East Lansing.

## LIMESTONE FOR CLOVERLAND.

THERE are several limestone quarries in the eastern portion of the Upper Peninsula which principally produce limestone for use in the various metal and carbide furnaces of the Upper Peninsula. One of these plants recently installed a crusher for the purpose of preparing the rock in shape for farm use. This rock is furnished at about seventy cents per ton F. O. B. quarry. Michigan State College extensionists and the quarry officials co-operated in making this distribution of limestone for farm use possible. There is much need of liming the soil in this territory.

## DEVELOPING RURAL MUSIC APPRECIATION.

(Continued from page 719).

ever, a start had been made in the right direction.

Last winter, in addition to training in melodies and their interpretation, recognition of instruments was included. This increased the interest, and in a short time the young folks would proudly say that such and such solo part was done by a violin, cello, flute, cornet, etc., as the case might be. They learned to differentiate the woodwind instruments from the brass. It seems that they could easily comprehend what an orchestra was, but with some difficulty learned a band was not the drums alone.

While these young folks had learned through the phonograph the sound of the various instruments, many did not know what they looked like. Their opportunity came on Achievement Day in April, when one of the features of the program was the appearance of the All-City Elementary School Orchestra of Detroit. This orchestra consists of sixty of the outstanding students of their respective instruments in all the grammar schools in the city. The orchestra, under the direction of Fowler Smith, a leader in public school music, rendered many of the pieces Miss Corbett's young people were familiar with.

This was a real treat for these young folks, as many said that they had never seen some of the instruments before, and it was a joy to them to see and hear actually played, the instruments whose sounds they had become familiar with through the phonograph.

It was a fine commendation of Miss Corbett's work for Mr. Smith to say that he could tell the young folks were properly trained by the way they listened. Further indication that she was working along the proper lines was that the method Mr. Smith used, and the explanations he made on Achievement Day, closely paralleled those used in the work in Wayne county.

Last year the one who earned the title of music champion of Wayne county by showing proficiency in the

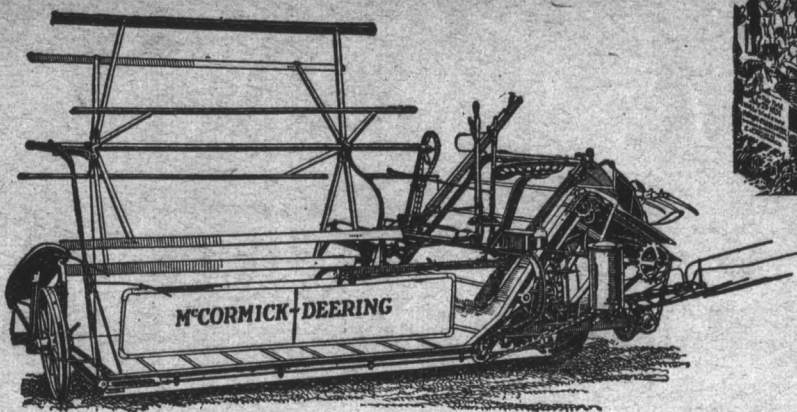
work, was given a trip to East Lansing during the boys' and girls' club round-up. This year the same privilege will be extended. The honors both years were captured by boys.

The interest in musical education has been so stimulated by this work that the county school commissioner's office is urging schools to buy phonographs in order to make music study easier.

Music is a vital factor in life. Bovee said, "Music is the fourth great material want of our natures; first food, then raiment, then shelter, then music."

Horace Walpole said, "Had I children, my utmost endeavors would be to make them musicians." Also our own Henry Ward Beecher, "Music cleanses the understanding, inspires it, and lifts it into a realm which it would not reach if it were left to itself."

This work, therefore, is a step in the right direction. In due time, music will undoubtedly become as important a part of the education in the rural districts as it is now in the city schools. It is constructive; opening to the young, new fields of interest and new vistas of life, and through them to their elders.



The testing of the first McCormick reaper near Steele's Tavern, Va., A. D. 1831. Drawn from an old lithograph.

Less than a century ago came the golden age of farm machines, dating from 1831, when Cyrus Hall McCormick invented the reaper, the forerunner of the modern binder.

# The McCormick-Deering Combines the Best of McCormick and Deering!

IN order to build the one best binder it is possible to produce, the Harvester Company has combined the popular McCormick and Deering grain binders into one improved, perfected machine. The McCormick's great strength and ability to withstand severe abuse and the Deering's exceptional lightness of draft have been brought together for you.

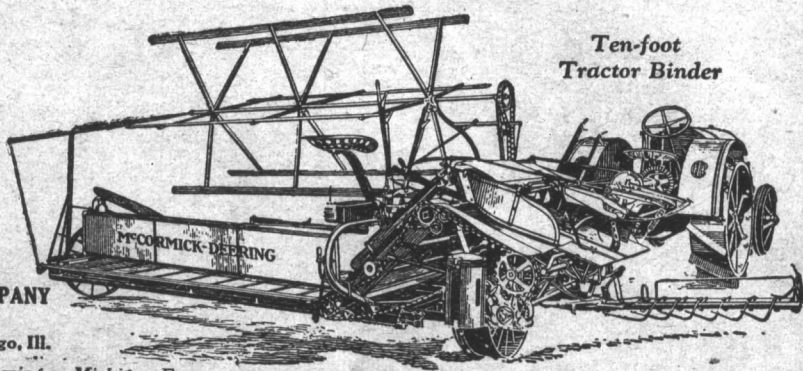
There are more McCormick and Deering binders in the grain fields than all other makes together. You can now have, in one machine, all the features that brought this about. And the new McCormick-Deering has additional

features that were never found even on McCormick and Deering binders.

There are many improvements on the new McCormick-Deering that your old machine does not have. They mean more work in less time, fewer stops in the field, longer life, lighter draft, and easier and more comfortable operation. You will certainly want to get acquainted with these improvements. Check them against your old machine. Your local McCormick-Deering dealer will help you by showing you the new McCormick-Deering and pointing out the features your old machine does not have.

McCormick-Deering binders are built in 6, 7, and 8-foot horse-drawn sizes. Also, the 10-foot tractor binder for operation from the power take-off of the McCormick-Deering tractor.

See these modern binders at the local dealer's store



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It is worth more to you in beautiful, warm blankets and auto robes than you can get from dealers. We will make it up for you for a nominal charge or take payment in additional wool. Satisfaction guaranteed or all costs refunded.

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A Powerful All-round Tractor for Small Farms, Gardeners, Florists, Truckers, Nurseries, Estates, Fruit Growers, Suburbanites, and Poultrymen. DOES 4 MEN'S WORK. Handles Field Work, Dusting Outfit, Belt Machinery & Lawnmower. Catalog Free. STANDARD ENGINE COMPANY, 3271 Como Ave. S. E., Minneapolis, Minn. Eastern Sales Branch—145 Cedar Street, New York

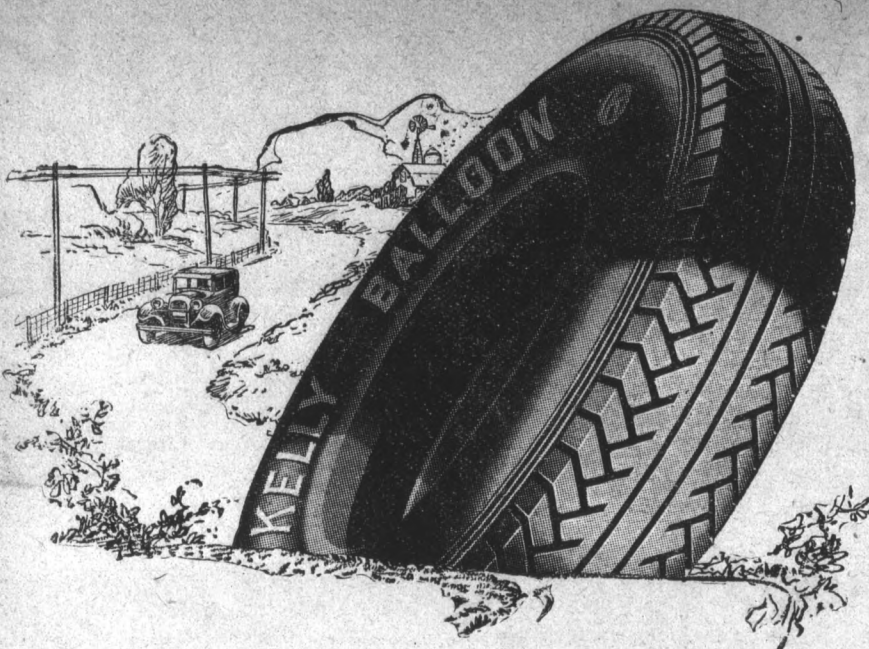
## SHAW GARDEN TRACTOR

Fine for Truck Gardens, Small Farms, Estates. Does the work of 5 men. Plows, seeds, cultivates, runs belt machinery. Easy to operate. SPECIAL Offer. Write for full details and special Low Price. Eastern customers pay freight from Pittsburgh, Pa. SHAW MFG. CO., Dept. MF-1, Galesburg, Kansas

## LILLIE'S IMPROVED STRANSKY VAPORIZER

Introduces air and water-vapor into the manifold (principle of the renowned Diesel engine). Increases power, saves gas, removes and prevents formation of carbon. Fits any car, truck or tractor. Full instructions. You would not believe me if I told you of the increased mileage on my own car—you must be satisfied or money back. Price by mail \$3.50. COLON C. LILLIE, Coopersville, Mich.

SAVED \$30.00 Get Brown's New CUT PRICES. W. T. Grothouse writes: "Fence received yesterday. I saved \$30.00 in buying from you." Our new cut prices are way below others—and Brown Pays Freight. Write for our new cut price catalog—see the dollars you save 150 styles. Double galvanized, open hearth wire, Roofing and paints. THE BROWN FENCE & WIRE CO. Dept. 2501 Cleveland, Ohio



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Even when Kelly-Springfields were higher priced than other tires, their purchase was an economy because of the longer service they gave.

Since they now cost no more than any of the well known makes and are even tougher, sturdier, longer lived and easier riding than their predecessors, their purchase is an even greater economy.

Try one the next time you need a tire, and see for yourself if it's not so.

*"Kelly dealers everywhere—  
there must be one in your town"*

**KELLY-SPRINGFIELD TIRE CO.**  
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## KELLY SPRINGFIELD TIRES BALLOON TIRES

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## The Solvay-limed farm is the successful farm!

The farmer spreading Solvay Pulverized Limestone is bound to be successful because he is sure of sweet soil, productive soil. That means bumper crops—large profits.

Spread Solvay this year—sweeten sour soil, release plant food and you'll have fertile, productive fields. Solvay gives you more, dollar for dollar, than any other lime you can buy. High test, furnace dried, finely ground, safe to handle—will not burn. In easy to handle 100-lb. bags and in bulk.

Write for the Solvay Lime Book—free.  
**THE SOLVAY SALES CORPORATION**  
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## ORCHARD AND GARDEN

### FERTILIZING YOUNG TREES.

**E**ACH season brings inquiries from fruit growers regarding young trees with burned leaves, or trees that have failed to start. In many cases the trouble has been traced to too heavy application of commercial fertilizer.

In tests on yearling apple trees with varying amounts of several common commercial fertilizers in most cases, either no benefit has been obtained, or else injury has resulted. Even manure applied too close to the trees, or too heavily, has resulted in less growth of the treated trees than of untreated trees.

For a tree the first year it is set, there is nothing so good as thorough cultivation. If fertilizers are used, they should be kept well back from the tree and applied in moderate amounts, especially on light soils. The practice of putting fertilizers in tree holes at setting time is more likely than not to end disastrously.

### TO ADVERTISE APPLES.

**A** NATION-WIDE campaign to raise a \$4,000,000 national advertising fund to carry on a four-year advertising program for the apple industry of the United States will start immediately, according to Paul C. Stark, president of Apples for Health, Inc., which is sponsoring the campaign.

Discussing the purpose of the campaign, Mr. Stark said: "It is just one great, all-embracing movement on the part of apple growers and allied concerns to put the apple back in its old time place of favor with the American public, a place which it deserved and deserves by reason of its many beneficial qualities."

Campaign headquarters have already been opened in Indianapolis, Mr. Stark announces. A nation-wide organization, embracing and representing the growers of all varieties of apples, and in all sections of the country, is now being built up. Committees to direct the work are being formed. Among them are a national fund-raising committee, an advisory advertising committee, and a nation-wide "Teach the Millions" committee.

It is not the purpose of Apples for Health, Inc., to call on any growers, on any shipper, on any railroad, or on any allied concern for an enormous amount for this campaign. It is not proposed that the movement shall be a burden on anyone.

In twenty years the California orange growers have increased their sales from \$12,000,000 to \$75,000,000 annually. In ten years the raisin growers have increased their sales from 70,000 to 200,000 tons each year. The pineapple growers of Hawaii have educated the public away from eating fresh pineapples and have taught them to use canned pineapples instead. These are only three of over thirty similar examples that might be quoted, where growers or producers have built up their industry by well conducted advertising and merchandising methods.

### HOW TO PRODUCE RED APPLES.

**A** PPLES high in color help sell themselves. Getting that color in the apples is the job, and one that experienced producers plan for well in advance of picking time.

Five aids to producing apples of high color have been given by F. C. Sears, pomologist at the Massachusetts Agricultural College, as follows:

First, keep the tree open enough to let in sufficient light. Second, space the trees widely enough in the orchard so that they may get plenty of

light; or if fillers have been used, remove them before they crowd so much as to give poor color.

Third, use fertilizers more carefully so as to obtain the proper degree of growth for good color without the much foliage. Fourth, adapt our varieties to our soils in order to get the best color. One soil will give highly colored Baldwins, but poorly colored fruit of some other varieties.

Fifth, thin the fruit. Though better color is only one beneficial effect of thinning, it is an important one.

Color is chiefly dependent on maturity and sunlight. To get good color maturity should be hastened by avoiding the use of undue amounts of nitrogenous fertilizers, by sod culture where practicable, by stopping cultivation early, and by using large-growing cover crops. Utilizing sunlight to the best advantage involves pruning to open up the tree, and thinning to expose more surface to the sun.

## Service Department

### WIDTH OF ROADS.

Please let me know if there is any road in Michigan wider than four rods. Some say the old territorial road that runs from Detroit is six rods wide.—A. F. P.

Your subscriber is correct in understanding that the old trail from Detroit to Mt. Clemens was originally a six-rod right of way. As a matter of fact, there are a number of other old territorial highways in the State which were originally a six-rod right of way, among these is Woodward avenue from Detroit to Pontiac; Grand River Road from Detroit to Lansing; Michigan avenue from Detroit to Ann Arbor, and a number of others.

Unfortunately, through encroachments of the adjacent property owners, the title of a large amount of this right of way reverted to the property owners by adverse possession. The Legislature of 1907 remedied this matter by providing that no land along public highways could be acquired by adverse possession, but that land which had been held for fifteen years, prior to the passage of this Act, would not be affected by the provisions of the Act. This Act came too late to save for the public a large amount of the wider rights of way on the old territorial roads.—V. R. Burton.

### TRESPASS BY CHICKENS.

I have a small farm. My neighbor's chicken house is close to the line. The chickens have caused quite a bit of damage to my crops. I have informed him of this and asked him to keep his chickens off, and he refuses to do so. What shall I do in this case? Shall I shoot them, poison the seed, or do I have to go to law? What is the law regarding this?—F. B.

The neighbor is liable for the damage done by his chickens. This damage may be enforced by taking the chickens while trespassing, shutting them up, and notifying the owner to pay the damage and redeem them; or by an action for damages. The person against whom the damage is committed would be liable for killing the chickens.—Rood.

### CHATTEL MORTGAGE ON EXEMPT PROPERTY.

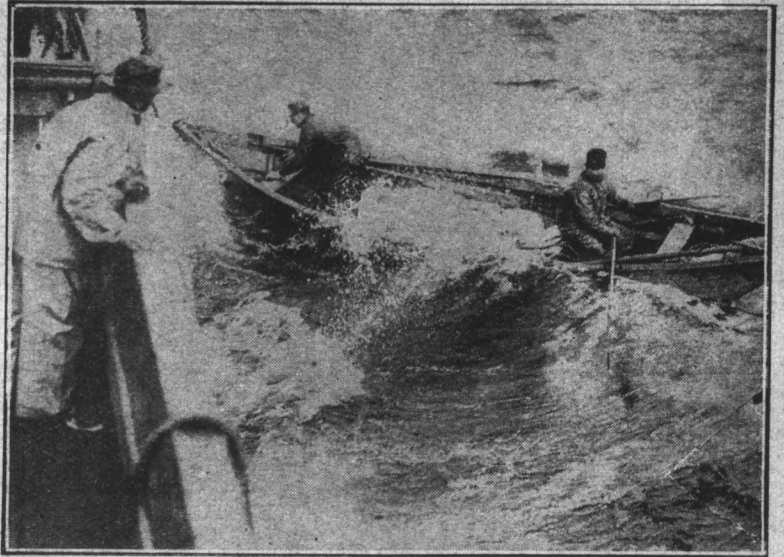
We have two cows. There is a property note on them. My husband signed the note. We have five children to support. Can they take the last cow? I did not sign the note.—A. P.

Two cows are exempt from execution against a householder, and any mortgage or incumbrance upon them is void unless signed by the wife as well as the husband.—Rood.

# WORLD EVENTS IN PICTURES



Scores of employes and customers are thought to be buried in debris when this Chicago department store collapsed with only three minutes' notice.



Halibut fishermen of the Pacific Coast share the dangers of the sea with their famed eastern Gloucester brothers of the cod fleets, to obtain this delicious food.



One of the features of the flood sufferers' benefit at Santa Monica, California, was the bathing beauty parade. The three winners are standing on the platform.



Bee Jackson, Charleston originator, gave a dancing lesson to the Hopi Indian Marathon runners. She says they are apt pupils of this dance.



Clarence D. Chamberlain and Lloyd Bertaud are hoping for their share of \$25,000 prize for the non-stop New York-Paris flight.



Capt. Nungesser, daring French Ace, who failed recently in non-stop Paris-New York flight.



Commander Byrd, of North Pole fame, and Burt Acosta, of endurance flight fame, will also attempt the New York-Paris non-stop flight.



This odd rock formation in Antrim county, Ireland, attracts the attention of many tourists.



King Monte Blue and Queen Blanche Gumes reigned supreme at the Annual Fresno Raisin Festival held recently, which was more picturesque than ever before.



For pilfering a bag of peanuts, this naughty baby elephant is having his ear tweaked.



## Adventures of the Brown Family—By John Francis Case

### Hal Shows Beth a Treasure

INTERRUPTED in his story of exploration of a secret passageway leading from the basement of the House of the Lone Oak by visitors to the new home, Hal listened attentively as Beth and her new friend, Juanita Fernandez, chatted above. "What did your brother find?" asked the strange girl, and it seemed to Hal that there was veiled excitement in her voice. Beth's reply was careless and flippant as she replied, "Dirt, mostly. And a lot of it on his face and hands. Let's go out doors. Mother, you take Mrs. Fernandez into the living room. It's cleaner there."

Unnoticed, Hal slipped up the basement stairway, sneaked off to the old barn where he brushed the dirt from his clothing, and at the well washed grime from face and hands. Then quite presentable, he sought Beth and her friend, a lively curiosity awakened to see this daughter of the woman with a strange name and foreign accents. He found them in animated conversation, Beth's acquaintance evidently retailing gossip of the community. "We come here not long before the old Captain died," Juanita was saying, "but we hear much of the mystery. Jack Miller could tell, they say, but he won't tell me, although I am his friend. Perhaps he will tell you," and the strange girl laughed mischievously.

"Ahem," announced Jack, as he strolled up, having no desire to appear as eavesdropping.

"My brother, Hal," introduced Beth. "And this is Juanita Fernandez. How jolly, Hal, that there will be four of us young folks right here in this neighborhood."

"Glad to know you," said Hal, clasping a warm, brown hand and looking down into sparkling, mischievous



Hal Meets Juanita, the Spanish Beauty, Who is to Play a Large Part in the Gold Chest Mystery. Beth Listens.

eyes. "I overheard you telling Beth about the mystery, Miss Fernandez. Go on. That's the most interesting topic we know. Perhaps you can help us solve it."

"Call me Juanita," laughed the dark girl. "We are to be great friends. I know little that you do not know, but as I have told your sister, your new friend, Jack, can tell you much. They say there is a treasure here, and that if you find it, it is yours. I wish you luck."

"We have found friends," announced Hal, "and that is treasure worth coming for."

"Prettily said," cried the girl, tossing her black curls. "You might be

a courtier of my race. We are Spanish, you know. We came here to grow grapes, as on the vine clad hills of my father's land."

"No courtier in these clothes," laughed Hal, looking down at his overalls. "Come again soon, Miss Juanita, when we are better prepared for

move in," added Hal earnestly.

Refusing the neighbor's voluble proffer of help, Mother Brown and Beth began unpacking and setting things to rights. Soon the house began to take on a homelike appearance. "I am so glad you came," Mrs. Fernandez repeated effusively, "for it is good to have women here. The old captain he was 'eh, what you call it, 'nuts?' He even drive my husband away with his shoot gun. Treasure? Ha, ha! He was what you call it, 'eh, 'batty?' Well, you come over soon."

"Funny old girl," remarked Hal to Beth as they worked about the home. "But Juanita is a peach. 'She has such wonderful eyes!'" and Hal began to hum a popular song.

"For some reason she seemed mightily interested in what you found in the basement, Hal," observed Beth. "I couldn't tell her about the tunnel, and there would have been no romance explaining that my brother went adventuring for gold and found a 'spud.' But, somehow, I believe she knew more than she's told me. What do you think, Hal?"

"Come over here, Sis," replied Hal in a guarded tone. "I have reasons for not wanting mother or dad to know. In the tunnel I found where some heavy object had been set down in the dust. And here's something I found." Into Beth's hand Hal dropped a coin, then hushed a startled cry.

## A Cottage Prayer Meeting

Our Weekly Sermon—By N. A. McCun

I DO not know just why such meetings are called cottage prayer meetings, unless it is that they began back in England among the poorer classes, where they live in cottages. But you know what is meant: a meeting for Bible reading, prayer and song in a private house. Very ancient and honorable, such meetings are. The first Christian meetings were

held in private homes. Mark's mother's home was such a church, (Acts 12:12); so was the home of Philemon—"the church in thy house, (Philemon 2); the same was true of Priscilla and Aquilla, (1 Cor. 16:19). And when Peter "preached" in the home of Cornelius, it was really a house prayer-meeting.

The story of how Peter was led to

Activities of Al Acres—Slim Says That Al's Radio Control is Useful at Times.

Frank R. Leet.



Cornelius, and how Cornelius was led to Peter, is one of the sweet stories of the New Testament. Someone has said that the spirit of God works like a pair of scissors, each



blade working toward the other. It was so here, anyway. Cornelius was a centurion in the Roman army; that is, he was a captain commanding 100 men. One day, being a religious

man, he was in prayer, and saw a vision in which he was told to send servants to Joppa, about forty miles away, to get Simon Peter to come to Caesarea. At the same hour Peter was in Joppa, and he saw a vision, but altogether different from Cornelius's. He saw a large blanket let down from the sky, filled with all kinds of beasts, and was bidden to kill and eat. He shrank from this, being an orthodox Jew, and said he had never eaten anything common or unclean. The divine voice said, "What God has cleansed you must not call common." This took place three times, then Peter awoke. Just then the servants from Cornelius appeared at the door, and requested him to come to Caesarea, at once, to see the centurion on an important matter. Something within him told him to go with them, and have no fear. He promptly went.

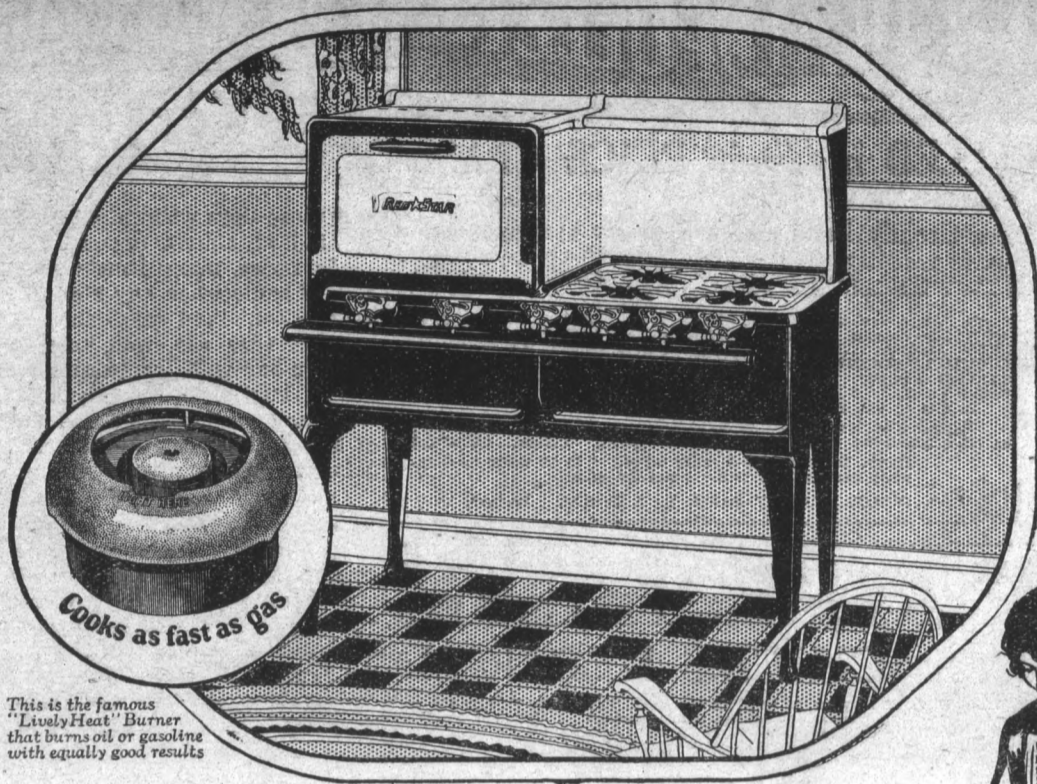
Arriving the next day, Cornelius tells him of his vision, and Peter tells Cornelius of his vision. It is plain that this Gentile family are called to be Christians as fully as any of the Jews. (Almost all the first Christians were Jews). And as Peter is conducting this cottage prayer meeting he is convinced that these members of Cornelius's family should be baptized, which is accordingly done. How simple and unstrained it all is, and how effective.

Peter was called to task for doing this. His fellow Christians in Jerusalem said to him, "You not only preached to this Gentile family, but you actually ate with them!" That was awful. Eat with those miserable Gentiles! But they had much to learn, yet. And when Peter rehearses what he has done, they begin to see the light. Gentiles can be Christians!

Are modern Christians always as willing to get a new idea? I remember how the press scored a convention of young people a couple of years ago. I sat in the balcony and saw the whole thing. These college students were from every part of the country, almost every state being represented. A small number of negro students were present, from colored colleges. These students were housed across the city in "nigger town," and when noon came they had to travel across the city to restaurants in that part of the city, as only there were they admitted to a restaurant. The young people had been discussing international relations, and effecting a square deal for all races, etc. Suddenly it occurred to someone that here was an opportunity to practice what they had been preaching. A motion was made and quickly passed, that the several hundred delegates would patronize no cafe or cafeteria where their negro friends could not go with them. A few minutes later I went into the largest cafeteria in the city, and there negro and white alike were being served.

Note how simply, and in what human terms Jesus is described: "Jesus of Nazareth, how God anointed Him with the Holy Spirit and with power: who went about doing good, and healing all that were oppressed of the devil; for God was with Him." That is the kind of a Jesus they believed in, and it is the kind the world hungers for, now—a real Jesus, a human and sympathetic Jesus, who makes us believe in God as a Father. That is the

## THE RED STAR OIL STOVE BURNS OIL OR GASOLINE



This is the famous "Lively Heat" Burner that burns oil or gasoline with equally good results

**"The most wonderful baker I ever used"**

—says Mrs. R. Snow, Barron, Wisconsin

Dear Sirs: "I surely enjoy my Red Star Oil Stove. It burns gasoline or kerosene. Nothing ever wears out on it. The wonderful wickless 'Lively Heat' burners are exceedingly easy to keep clean.

"I light the burner and begin to cook or bake at once; with this intensely hot fire, it is no trick to fry good steak and bake angel food cake and cookies.

"We heat water for clothes and bathing and find the Red Star very economical."

(Signed) MRS. R. SNOW.

Thousands of women, like Mrs. Snow, find that the Red Star Oil Stove with its wonderful "Lively Heat" burners lightens housework and cooks beautifully and economically.

Go to your nearest Red Star dealer. See a demonstration and be convinced. Made in two to six burner sizes and at a price for every purse. Smaller sizes cost no more than the ordinary oil stoves. Most dealers sell on easy terms. If your dealer is not listed below, write us at once and we will send you a nearby dealer's name and the interesting Red Star Book, free.

THE DETROIT VAPOR STOVE COMPANY, Dept. 102, Detroit, Michigan; makers of the famous Red Star Oil Stoves and White Star Gas Ranges.

# RED STAR OIL STOVE

GO SEE THE DEALER NEAREST YOU

Jesus as told of in the New Testament.

Again Peter, as last week, comes back to the fact that he and his colleagues are witnesses of the life of Christ. That is the note that wins the respect and the devotion of men and women—a religion that is certain, that you and I and all ordinary folks can experience for ourselves. What they taught about Jesus was simple, in those days. It was, that He was the promised Messiah, that He died and rose again. They staked everything on the fact that He rose from the dead. They hazarded their lives on that. Without that, they said, there is not much hope. We want a future that is full of joy and beauty.

The future is not emphasized as much as it used to be, but we are coming back to it. We have been so busy with our inventions here in America, running our new automobiles and listening over our radios, that we have dulled the ear for the music of the next world. But interest in that is awaking. There is a resurgence of interest in eschatology.

### SUNDAY SCHOOL LESSON FOR JUNE 5.

SUBJECT:—Peter Preaching to Gentiles. Acts 10-34-48.  
GOLDEN TEXT:—Romans 10-12.

Giovanni Schiaparelli, an Italian astronomer, was the first to observe the so-called "canals" on Mars.

## Michigan Farmer Pattern Service



No. 779—Look Attractive. The pattern cuts in sizes, small, medium and large. The small size requires 1 3/4 yards of 40-inch material, with 10 1/4 yards of binding.

No. 769—Semi-Sports Style. The pattern cut in sizes 16, 18 years, 36, 38, 40, 42 and 44 inches bust measure. The 36-inch size requires 3 yards of 40-inch material, with 1/2 yard of 27-inch contrasting and 1 1/2 yards of 32-inch material for separate camisole.

No. 483—Smartly Different. Sizes 6, 8, 10, 12 and 14 years. The 8-year size requires 2 yards of 36-inch material with 1/4 yard contrasting.

No. 517—Sizes 2, 4, 6 and 8 years. The 4-year size requires 2 3/4 yards of 36-inch material with 3/8 yard contrasting.

No. 637—Playtime. Sizes 1/2, 1, 2, 3, 4, 5 and 6 years. The 4-year size requires 2 1/2 yards of 40-inch material with 3/8 yard contrasting.

Send 13c to the Pattern Department, Michigan Farmer, Detroit, Michigan, for each of these patterns.

## Baby CHICKS 8 to 12 Week RURAL PULLETS

MICHIGAN ACCREDITED



### UNEXCELLED in Their PRICE CLASS

Free Catalog. All closely Culled, Every Bird Leg Banded.  
Prices Greatly Reduced for Delivery in June

WHITE LEGHORNS.	100	500	1000
Pure Hollywood, 200-290-egg pedigree.....	\$16.00	\$77.50	\$150.00
Improved Hollywood Mated, 200-290-egg pedigree or Tancered Mated .....	10.00	47.50	90.00
Barron White Leghorns .....	9.00	42.50	80.00
ANCONAS—Famous Sheppard Mated .....	10.00	47.50	90.00
Utility Anconas .....	9.00	42.50	80.00
BROWN LEGHORNS—Very best grade .....	10.00	47.50	90.00
BARRED ROCKS .....	12.00	57.50	110.00
Broiler Chicks (not accredited) .....	7.00	35.00	.....

In lots of less than 100 add 25 cents per order

Shipments on Monday and Wednesday of every week. Write for prices on other quantities. Wire orders promptly handled. Pullets: White and Brown Leghorns. Free range raised. 8 to 12 weeks for shipment starting May 15th. Write for prices.

RURAL POULTRY FARM, R. 1, Box M, Zeeland, Mich.



## Town Line POULTRY FARM

MICHIGAN ACCREDITED CHICKS REDUCED

Our stock is the result of 14 years of breeding for SIZE, TYPE, WINTER EGGS and HIGH FLOCK AVERAGE, instead of a few high individuals. We have HOLLYWOOD, TANCRED, and ENGLISH type S. C. White Leghorns, SHEPPARD'S Anconas, Brown Leghorns and Barred Rocks. Hollywood foundation stock from 200-290-egg record; Tancered foundation stock from 250 up egg record stock. Ancona foundation direct from Sheppard. The very best in Brown Leghorns and Barred Rocks. Our chicks are HEALTHY, VIGOROUS, Newton hatched chicks from free range breeders. The strongest proof of the quality of our chicks is that we have doubled our hatching capacity over last year. With "TOWNLINE" you also get "PERSONAL SERVICE."

JUNE PRICES	S. C. Wh. & Br. Leghorns, Anconas	100	500	1000
	Barred Rocks	\$ 9.00	\$40.00	\$ 75.00
		12.00	55.00	105.00

Mixed Chicks \$7.00 per 100—orders for less than 100, 1c per chick more.

Chicks shipped postpaid. 100% live delivery guaranteed. Discount on early orders. LARGE NEW CATALOG FREE. Thousands of 8 to 10-week-old pullets at special low prices.

J. H. GEERLINGS, Mgr., R. 1, Box M, Zeeland, Mich.



## BIG HUSKY CHICKS

Proven Layers—Michigan Accredited—High Quality Profit Producers. Heavy Laying Type. All from carefully culled, selected breeding stock. 100% Live Delivery Guaranteed. Bank Reference.

Baby Chick Prices for June and July	50	100	500
Barron Eng. Wh. Leghorns, S. C. Br. Leghorns and Anconas.....	\$5.25	\$10.00	\$47.50
Barred Rocks and S. C. R. I. Reds .....	6.25	12.00	57.50
Mixed Chicks (not Accredited) .....	4.25	8.00	40.00

Also heavy laying type profit producing pullets. Order now for assured deliveries. FREE Circular.

WINSTROM'S HATCHERY, Albert Winstrom, Prop., Box C-6, Zeeland, Mich.



**CHICKS**  
Michigan Accredited Chicks—also best strains of Barred and White Leghorns a Specialty—White and Silver Laced Wyandottes, White Rocks, R. I. Reds, White and Silver Laced Wyandottes, together with Anconas. Expert selection of breeding stock, together with scientific incubation methods, assure husky, liveable chicks.  
DEAN EGG FARM & HATCHERY  
Birmingham, Mich.  
Box B  
Established 1911—Free Catalogue—

## Michigan SILVER PUREBRED CHICKS Accredited

SPECIAL PRICES FOR JUNE

BARRED PLYMOUTH ROCKS	100	500	1000
S. C. WHITE LEGHORNS	\$10.00	\$47.00	\$90.00
MIXED (not accredited)	8.00	37.00	75.00
	6.00	27.00	50.00

Order now for delivery any week in June. 100% live delivery guaranteed. Shipped by prepaid parcel post. SILVER HATCHERY, DUNDEE, MICHIGAN.

## DUNDEE MICHIGAN ACCREDITED CHICKS

Stock all blood tested for Bacillary White Diarrhea for the past three years. Chicks all hatched from pure-bred select free range stock. Prices for June 6-13-20 and 27.

B. P. Rocks (Extra Special)	100	500	1000
B. P. Rocks (Selected)	\$11.00	\$50.00	\$95.00
Single Comb White Leghorns (American Strain)	10.00	45.00	90.00
S. C. White Leghorns (English Strain)	9.00	40.00	80.00

Order direct from the ad or write for catalog. Buy blood tested and accredited chicks this season and be pleased.

THE DUNDEE HATCHERY, Box A, Dundee, Michigan



## Profit-Sharing Prices

In closing a very successful year we want to have our customers share our good fortune with us. Our new profit-sharing prices are:

English White Leghorns	100	500	1000
Barred Plymouth Rocks	\$10	\$45	\$ 85
	12	55	105

RICHARDSON HATCHERY, Dundee, Mich., Box B



## RELIABLE CHICKS

LOW PRICES NOW

Get your chicks for winter layers right now at these low prices. Order from the prices given below. These chicks are strong, healthy and pure-bred. We guarantee 100% live delivery and satisfaction.

S. C. WH. LEGHORNS, 8c; BD. ROCKS, R. I. REDS, 11c; ASSORTED, 6c  
Reliable chicks have proved satisfactory for years. You can depend on them. Order today at above prices. Orders less than 100, 1c more. Bank reference. RELIABLE HATCHERY, 92 EAST SEVENTEENTH ST., HOLLAND, MICH.

## CHICKS! LOOK! READ!

Pure-bred S. C. White & Brown Leghorns and Anconas. Flocks culled by an expert. Strong, sturdy well hatched chicks from Free Range Breeders. Immediate delivery. Order direct from this ad. Bank reference. Shipped postpaid. 100% live arrival guaranteed.

Prices, \$8.00 per 100; \$38.00 per 500; \$75.00 per 1000; Barred Rocks, \$11.00 per 100; \$52.50 per 500; Assorted or Mixed Chicks, \$7.00 per 100. Special low prices on 8-10-week-old pullets.

Riverside Poultry Farm, R. 7, Holland, Mich.



## Woman's Interests

### Keeping Out of Bed

By Hilda Richmond

IN these days when hired help of any kind is almost impossible to get on farms, many housewives feel a sort of panic when any kind of illness approaches. "If I only don't get down in bed," they say, well knowing that children run wild, waste runs rampant in the kitchen, and everything is at sixes and sevens when the one pair of hands, that usually can keep things going, lies idle on the counterpane.

And many women who are by no means strong, elderly women, really sick women, have accomplished this very thing. Often they outlive their strong sisters who look with thinly veiled pity on the semi-invalids. They have done it by taking the advice of the family doctor and keeping within certain limits. They diet, they rest, they put aside all temptations toward

is, none too great. A delicate woman can make a home and keep it together, but a woman in bed can do neither. If you are not strong, do not despise the mid-morning meal, the early bedtime, the periods of inactivity to regain strength, the makeshifts of housekeeping, the careful diet and the giving up of many pleasures and opportunities to make money that others enjoy. Your family is worth more than embroideries and frosted cakes and fine housekeeping.

### MODERN HOME EQUIPMENT LOSING IN RACE.

FARM purchases of modern home equipment are not keeping pace with automobiles, radios, and telephones, a survey conducted by the



By the untiring efforts of these local leaders, Washtenaw county has been able to carry on the home management project during the past year. Third from the left in the second row from the back is Mrs. E. W. Latson, county chairman of the project. Second from the left on the front row is Mrs. G. Farley, of South Lyon, who never missed a meeting all the year, a splendid record for a busy farm woman doing all her own work! Perhaps we have other excellent records like this in the state. Let's hear about them.

perfect housekeeping, and in the end get about as much out of life as their stronger sisters.

A strong, capable woman was making rather slighting remarks about a sister-in-law who rigorously observes the mid-morning and afternoon rests, the cup of milk or hot cocoa when fatigued, and the rule never to work to excess, no matter what the season, but a physician who overheard predicted that the sister-in-law would outlive the strong woman. "She knows her limitations, and appreciates a degree of health more than you observe common sense care of what you deem perfect health," he advised. And his prediction proved true. The strong woman came down with pneumonia after a protracted spell of housecleaning in unseasonable weather. Her determination to be all through cleaning by the first of April cost her life itself, and a stranger is bringing up her children.

A very delicate woman who had to take extreme precautions to keep going, said that for years she could scarcely endure the sight of her neighbors' homes because of their speckless and spotless condition. Her children, dressed in the plainest of garments, took all the strength the simplest of housekeeping and home-making left, and she lost all the pride healthy women feel in raising chickens, having a beautiful flower garden, and making pretty things for the home and children. But she is alive today, with better health than formerly, while many of the women she envied wasted their abounding health in trifles and have passed on.

It is terrible to be down in bed and feel one's self a burden to the family. Any price to pay for keeping on foot

General Federation of Women's Clubs discloses.

While more than one-fifth of the homes had radios, nearly four-fifths had automobiles, and more than one-half had telephones, less than one-

### CHASING WASHDAY BUG BEARS.

WHETHER it be Monday, Tuesday, or even Wednesday, the regular family wash day comes 'round once a week, bringing with it one of the hardest of the regular household tasks. But very often the bugbears of wash day can be lessened considerably by careful thought and planning of one's methods of washing and by the use of well selected laundry labor-saving devices.

What have you done to chase away the bugbears of wash day, either through your method of washing or by the use of power washers, wringers, or other labor savers?

Write a letter telling how you won out in the race of chasing your wash day bugbears. For the five best letters we will award special prizes. Address your letters, not later than June 10, to Martha Cole, Michigan Farmer, Detroit, Michigan.

third had running or pumped water at their kitchen sinks, and more than 20,000 farm women were carrying all the water for the household needs from greater distances than the porch or backyard.

## Family Favorites

**G**IVE the family a little surprise now and then at mealtime if you would prevent a serious case of spring fever from developing even in the month of June. Changes can be "rung in" by slightly varying old stand-bys.

### Oatmeal Beef Loaf.

1 lb. ground beef 1 cup uncooked oatmeal  
1 lb. pork 1 1/2 cups strained tomatoes  
2 eggs Salt, pepper  
1 small onion

Mix well and mold into a loaf, dot with butter or cover with a strip of bacon, add one-half cup of water and bake.—Mrs. C. A. B.

### Sour Cream Oatmeal Cookies.

2 eggs 1 tsp. soda  
2 cups white sugar 1 tsp. salt  
1 cup heavy sour cream 1 tsp. cinnamon  
2 cups oatmeal 1/2 tsp. cloves  
1 cup raisins 2 tsp. baking powder

Boil the raisins. Beat eggs and add the sugar and cream, oatmeal and raisins. Sift dry ingredients with enough flour to make a soft dough. Drop by spoonfuls on to a greased pan and bake in a moderate oven.—Miss K. J.

### Codfish and Potatoes.

Take one cup of codfish. Let it soak in lukewarm water while you mix one pint of sweet milk, two eggs, a good-sized lump of butter, and pepper and salt if necessary. Then add the two cups of cold mashed potatoes with codfish. Mix all well, and bake in a buttered pudding dish for twenty-five minutes to one-half hour. Serve hot.—Miss H. P.

### Oxeye Scrub.

Fill buttered baking dish half full of seasoned, hot, mashed potatoes. Sprinkle liberally with buttered crumb, rest of potatoes and more crumbs. Over top, break an egg for each portion served, sprinkle with salt, pepper, more and buttered crumbs. Bake in hot oven till eggs are cooked to suit. Serve hot. To make it different, I sometimes add a bit of celery, sage or grated cheese.—Mrs. L. B.

### DAINTY FROCK FOR A TINY TOT.

**T**HIS is one of the newest and most pleasing styles in a child's dress, sizes one, two and three years. The dress is made up complete, even to buttonholes, pearl buttons, and daintily trimmed; and the fabric is exceptionally good quality of fast color voile. These dresses can be had in pink, Nile green and peach, with cuffs and collars trimmed with contrasting color, and with picot edge ribbon drawn at neck. This will make a dainty dress for the little miss for the entire spring and summer. Sent



postpaid to any address on receipt of only one dollar. Be sure to state number and size desired when ordering. Address orders to the Fancy Work Department, Michigan Farmer, Detroit, Michigan.

### NEW IDEA FOR LUNCHEON CLOTHS.

**M**ORE and more, luncheon cloths and sets are taking the place of larger tablecloths, to lighten the work for the busy housewife. My mother has originated an idea that I think makes the small thirty-six or forty-two-inch cloths much more attractive. With this size cloth the designs in the corners usually come right over the edge of the table. The design is also partially hid by the plates when the table is set. My mother does her

embroidering or stenciling on the four sides of the cloth, midway between the corners, and I like it much better. The pattern is shown off to much better advantage as it lies flat on the table, and the plates do not hide it.—Mrs. N. P.

### RHUBARB TO THE RESCUE.

If you wish to cook rhubarb so it is different and especially delicious, try adding a few drops of lemon and a little grated nutmeg. Do not be sparing of the sugar in sweetening, and you will have a rich and unusually

### WOULD YOU LIKE TO KNOW

**W**HAT colors to use in a north room? Or what is the best arrangement to save steps in your kitchen? The proper distance to make plantings from the house? These points and many others relating to the farm home and grounds appeared in the issue of May 7 and 21, under the Approved Farm Home Contest.

Hunt up that issue again and look it through. Then, if you do not think your own home comes near the standard of scoring, nominate your neighbor for the contest and have the honor of having a Michigan Approved Farm Home in your community. If you care to know further details regarding this Approved Farm Home Contest plan, write a letter to the Home Editor.

toothsome sauce or pie, with a pleasant flavor of lemon, rhubarb, and spice.

If the supply of jellies and preserves is running low, rhubarb makes an excellent conserve. To each cup of finely cut rhubarb, add three-fourths cup sugar. Cook quickly, stirring constantly, until the mixture is of the consistency of thick jam. To each cup of the conserve add one-fourth cup chopped nut meats and pour at once into hot, sterilized glasses.



## Cook recipes you never dared try before!

**A**SK any Nesco user what she can cook on her stove. "Anything that those in the city can cook!" she'll proudly say. Question her in detail. "Doughnuts? Beefsteak? Roasts? Waffles? Delicious pastries? Toast?" Everyone is a real test for an oil stove.

"My Nesco cooks them perfectly" she'll tell you. "there isn't anything I'm afraid to try!"

You, too, can have the quick, clean, intense, uniform cooking heat of city gas for frying, boiling, roasting, baking or toasting. The hot blue flame of the Nesco spreads over the bottom of the utensil with no soot, smoke or odor.

See the Nesco at your dealer's. Send for our beautiful free booklet which shows many sizes and models.

### NATIONAL ENAMELING & STAMPING CO., INC.

Executive Offices: 425 E. Water St., Milwaukee, Wis.  
Factories and Branches: Milwaukee, Chicago, Granite City, Ill., St. Louis, New Orleans, New York, Philadelphia, Baltimore.  
Licensed Canadian Manufacturers: Dominion Stove and Foundry Company, Penetanguishene, Ontario, Canada

## NESCO Kerosene COOK STOVE

The clean, blue, contact flame of the Nesco burner produces an intense gas flame cooking heat.



Nesco patented Rockweave Wick of wire cord woven asbestos salvaged fabric. Non-burning. No trimming.

National Enameling & Stamping Company, Inc.  
425 East Water Street, Milwaukee, Wis.

Send me your free booklets, "Everyday Trips To The Wonderland of Delicious Foods" and "What Women Say".

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Your Hardware Dealer's Name \_\_\_\_\_



(21-F)

# big reductions SUPERIOR LEGHORNS

**D**URING the week of May 16-23-30-June 6-13-20 and 27 we will deliver to you prepaid and 100% live delivery guaranteed, Superior S. C. White Leghorns at the following remarkably low prices. Just fill in the coupon below for the number you desire and mail it today. We will ship your order when you designate.

**\$375.00 net profit in one month**

That is what Guy Burgis of Fair Grove, Mich., made last January with 832 pullets raised from 2,000 Superior chicks bought last June. Write today for our latest low prices and get started with the right stock. Stock of this quality is cheap even at prices much higher than we are asking.



### These Chicks Are Michigan Accredited

Even at these low prices these chicks are Michigan Accredited and will pass the exacting requirements to be classed as such. Furthermore on Superior Farms breeding plant is where we blend our Tancred and Barron strains to produce those big bodied profitable birds. We have 600 pullets entered in R. O. P. (record of performance) this year and are individually pedigreeing thousands of chicks. Write for complete information describing special matings at slightly higher prices. We also offer pullets, 8 weeks old or older, for immediate delivery. Write for special low prices.

**Superior Poultry Farms, Inc.**

BOX 359

**Zeeland - Mich.**

100 - \$9.00  
500 - 45.00  
1000 - 85.00

Mixed or Broiler  
Chicks \$7 per 100

Gentlemen: Enclosed please find \$\_\_\_\_\_ for which ship me \_\_\_\_\_ White Leghorns as advertised the week of \_\_\_\_\_ (Signed) \_\_\_\_\_ P. O. State \_\_\_\_\_

## WHITE LEGHORN BABY CHICKS



**COMMERCIAL  
MATING**

S. C. White Leghorns  
S. C. Mottled Anconas  
Odds and Ends (not accredited)

**MICHIGAN  
ACCREDITED**

	Per 100	Per 500	Per 1000
S. C. White Leghorns	\$8.50	\$40.00	\$80.00
S. C. Mottled Anconas	9.50	45.00	90.00
Odds and Ends (not accredited)	6.50	30.00	

ORDER DIRECT, Sending Cash-With-Order for JUNE deliveries. Illustrated Catalog with description of Wyngarden Special Matings sent FREE with special price list of Pullets, on request.

**Wyngarden Hatchery & Farms, Box M, Zeeland, Mich.**

# POULTRY

## MAKING PROFITS FROM LATE CHICKS.

CHICKS in May and June often prove the most profitable. The reason for this is that the weather conditions are more favorable in late May and June than any other time of the year. Young chicks need even temperature, and these two months have less fluctuations than any other spring and summer months.

Added to that is the fact that there is always an abundance of sunshine to give chicks the needed vitamin "D" through its direct rays. For May and June chicks there is usually no need to feed extra growth-producing foods to take the place of the sun's rays, as there is plenty of sunshine.

Then, too, green growth is most succulent, tender and abundant in May and June. For chicks earlier than this, some artificially grown green food must be supplied, but nature furnishes an abundance of rich green food for May and June chicks.

Chicks can be outdoors more hours, and chicks outside get the needed sunshine and fresh air.

An objection urged against summer chicks is the fact that they must be kept away from older chicks because no two different ages of chicks should be allowed to run together on the same range.

You can save labor in operating your brooder stove with summer chicks because usually the chicks can do without the brooder stove in summer time earlier than in the spring months. You do not have to watch chicks so carefully for changes in the weather conditions. Feeding methods for summer chicks are no different from spring chicks, in fact, easier, because of green feed and outdoor weather so chicks can range.

The same houses can be used for a brood of summer chicks that have been used for spring chicks. Put the early chicks out on range, then fill your houses with new chicks. The houses must be well cleaned and the yards plowed between each brood of chicks.

For these and other natural reasons, chicks in these two months make rapid growth and often overtake the earlier chicks, and even beat them in finishing.

Breeders of birds for exhibition have long known that many of their best show specimens were from late chicks.

The poultry flock can be reproduced cheaper during May and June than at any other time of the year, owing to this easy growth of chicks. Also, the prices of baby chicks are reduced for season.—R. V. Hicks.

## HANDLING TWO BREEDS.

IF you raise both light and heavy breeds of poultry it may pay you to separate them during the summer in order to retard or hasten growth and maturity. Last season a neighbor hatched both Wyandottes and Leghorns in March, and allowed the chicks to run together with the same ration before them. On our own farm were a similar group of Leghorns and Reds, both hatched at the same time. We brooded these chicks together, but as soon as they were past the stage for artificial heat, the varieties were separated. We kept a low protein content mash before the Leghorns and allowed them to look for much of their feed on the range. They were also fed some grain, but the Reds were fed at hoppers, both grain and a medium mash. Our Reds went into the laying house in well-plumped condition the first of October, as did the

Leghorns, and there was no moult.

On the other hand, our neighbor's Leghorns moulted and could not be got on to production again until the profitable priced egg period had passed. Their Wyandottes, however, were just right for fall production. The Leghorns got an undesired black eye until our neighbor came over and compared notes, when he took the blame upon himself. These early hatched birds could have been handled by feeding a less rich ration—chiefly grain—so they would not have moulted. Ours did not moult.

These particular breeds have been mentioned because they were actually



Betty, the Hen, is Eighteen Years Old. She and Duke Are Constant Companions, Sleeping Together Behind the Stove.

the breeds dealt with. However, the same problem confronts anyone who is trying to handle light and heavy varieties together. If both are early hatched there is always the possibility of forcing the light breeds so they will go into a partial false moult after laying a few eggs. If both are hatched in April, the same feeding methods will suffice, but later than this the heavier breeds, especially Rocks, Orpingtons and breeds of that weight, as well as the heavy meat breeds, will need to be hurried along, probably faster than the light breeds which were hatched at the same time.

Heavy grain feeding is not sufficient to bring maturity to these late hatches at the proper time. They need a good mash mixture before them all the time, and we have found plenty of milk a big help in putting them in the laying house ready for business in the fall. On the other hand, it is sometimes profitable to keep the early hatched light breeds maturing as fast as one consistently can. Get them laying early, while egg prices are high, then if they go into a partial moult and rest, they can profitably be used the next spring as breeders.—W. C. S.

## COD LIVER OIL.

I have a bottle of cod liver oil extract compound. I got it for my children to take, but they don't like it, even in milk. It has set here for a year. I wonder if I could give it in water or milk to the chicks, and what amount per quart? It contains alcohol, fifteen per cent, with hypophosphites—containing calcium, sodium, potassium, manganese, iron, strychnine, quinine and sodium citrate.—Mrs. E. W.

It is the crude cod liver oil that is most beneficial to chicks, and not the cod liver oil extract, or refined cod liver oil commonly used for human medicine. In the chick ration, poultrymen use cod liver oil at the rate of one to four per cent of the starting mash. The quantity may vary, depending on the number of chicks and their condition, and the amount of pure sunshine that they are receiving.

## KNOLL'S S. C. White Leghorn Chicks



**BABY  
CHICKS**

**8 WEEKS OLD  
PULLETS**

**SPECIAL INTRODUCTORY OFFER.**

We want you to know the High Quality of Knoll's Michigan Accredited Chicks and Stock. That's why we are offering our Special Low Prices on June Chicks, and April Hatched Pullets.

	Per 100	Per 500	Per 1000
White Leghorns, Tanager Strain	\$10.00	\$47.50	\$90.00
White Leghorns, Barron Strain	8.00	37.50	70.00
Brown Leghorns, Grade A	9.00	42.50	80.00
Barred Rocks, Grade A	12.00	57.50	110.00
Mixed Chicks (not Accredited)	7.00	35.00	

We Guarantee 100% Live Delivery. Postpaid. PULLETS, 8 to 14 weeks, \$85 to \$1.10 each, according to age, for immediate delivery. Your order must reach us promptly. Order from this ad. Satisfaction guaranteed.

**KNOLL'S HATCHERY, R. R. 12, Box M, HOLLAND, MICHIGAN.**

Write for Catalog

## BROODING PRODUCE CHICKS

### Special Summer Prices

Make money this summer raising B & F chicks. Late broilers bring good price and the pullets will be laying in five to six months. You have your choice of three breeds—all are profitable.

**PRICES EFFECTIVE JUNE 1st**

	50	100	500	1000
S. C. White Leghorns	\$5.00	\$9.00	\$42.50	\$80.00
Barred Rocks—R. I. Reds	6.00	11.00	52.50	102.50

Broilers, all heavies, \$9.00 per 100; 500 for \$42.50. Mixed Broilers, \$8.00 per 100; 500 for \$37.50.

**Will Ship C. O. D. 100% Live Delivery Guaranteed.**

Pay your postman when you get your chicks. Just write or wire your order. We have large hatches each week and can fill large orders promptly. Write for free catalog that describes our special matings.

**Brummer & Fredrickson Poultry Farm, Box 20, Holland, Michigan**

## HOLLAND HATCHERY

### NEW JUNE PRICES

Write now for our latest price list, giving our new low prices on this old reliable strain. This is your chance to save. Every chick hatched from selected rugged, free range breeders officially passed by inspectors supervised by Michigan State College.

**MICHIGAN  
ACCREDITED  
CHICKS**

	100	500	1000
S. C. White Leghorns	\$9.00	\$42.50	\$80.00
Anconas	9.00	42.50	80.00
Barred Rocks	11.00	52.50	100.00

Mixed Chicks \$7 Per 100.

Last December one of our customers reported \$1,087.70 worth of eggs from 925 hens in the last five weeks of 1926. This is \$28.05 income per day, or a profit above feed cost of almost \$23.00 per day. This is just the chance you have been waiting for—strong husky chicks, high egg-bred parent stock, Michigan Accredited, 100% safe arrival guaranteed. Free catalog and price lists.

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

## WASHTENAW Baby Chicks

### Michigan Accredited CHICKS

These prices apply May 16 and after, on our first class Michigan Accredited Chicks.

	50	100	500	1000
Barred Plymouth Rocks	\$7.00	\$13.00	\$62.50	\$120.00
S. C. & R. C. R. I. Reds	7.00	13.00	62.50	120.00
White Plymouth Rocks	7.50	14.00	67.50	130.00
White Wyandottes	7.50	14.00	67.50	130.00
Grade A White Leghorns	7.50	14.00	67.50	130.00
English White Leghorns	6.00	11.00	52.50	100.00

Assorted Chicks (when we have them), \$9.00 per 100.

We have been producing high class poultry for 10 years and our chicks are the result of most careful breeding. You will not be disappointed. Write today.

**WASHTENAW HATCHERY, 2501 GEDDES ROAD, ANN ARBOR, MICHIGAN.**

## LAKEVIEW POULTRY FARMS

### Reduced Prices for June Delivery

Lakeview Chicks are Michigan Accredited Official records up to 252 eggs at Michigan egg contest 1923, 24, 25. Every breeder inspected and passed by inspectors supervised by Mich. State College, Smith Hatched.

Will Ship C. O. D. Prepaid prices on

	25	50	100	500	1000
S. C. White Leghorns	\$2.50	\$4.75	\$9.00	\$42.00	\$80.00
Barred Rocks, S. C. & R. C. R. I. Reds	3.25	6.00	11.00	52.00	100.00

Special Matings higher. Mixed Chicks \$7.00 per 100—all heavies, \$9.00. Order from this ad at these prices. Member International Baby Chick Ass'n.

**Lakeview Poultry Farm, R. R. 8, Box 6, Holland, Mich.**

# Rural Health

By Dr. C. H. Lerrigo

## WHY HAVE TOOTHACHE?

SO much of the mystery and so much of the agony have been removed from dental work that little excuse remains for the person who allows his teeth to go unattended until there remains in the oral cavity nothing but a foul row of discolored, mal-odorous, offensive stumps. Even the excuse of "no time" falls, for in this advanced day the dentist can do much at a single visit.

Of course, the important thing to do is to take such constant good care of your valuable ivory assistants from their very earliest appearance, that they will remain sound. The dentists' slogan is, "A clean tooth knows no decay." There is much truth in it. But the maintenance of cleanliness in this day and age, when our diet is soft and clinging, rather than hard and cleansing, demands constant vigilance.

The most valuable information that I ever received about the care of teeth did not come to me until rather late in the day. I found my gums bleeding easily, and in addition there was the ugliness of "receding gums." I went to good dentists, but the one who did most for me did it by a very simple hint. He said that brushing the teeth and gums for five minutes every day, brushing them with a stiff brush in spite of bleeding, would soon harden the gums and settle the question of bleeding. I bought a new toothbrush, went vigorously to work with faithful, daily, five-minutes-by-the-watch brushing, and in a few months my teeth were better than in years; and they have continued so.

The X-Ray has become a great ally to dentists. It is a great advantage before beginning dental work to get a good picture of the teeth. This will show the presence of any impacted

teeth, will show the condition of the roots, will reveal abscesses, and will give the dentist an idea of the condition of the bony process in which the tooth has its bed.

For you whose teeth are still in good condition, the important thing is to visit your dentist for inspection regularly every six months so that he may catch the first signs of dental decay in time to make repair, and meantime practice faithfully home hygiene by the use of the toothbrush, remembering that perfunctory use is of no value, but what is demanded is systematic, thorough service. For you whose teeth are already in sorry shape, much may yet be done, but you will need all the help that X-Ray examinations and thorough dental work can give.

## LOSING MIND THROUGH WORRY.

What do you think about people losing their minds from family worries? I have had a lot of trouble in late years, and at night I get to feeling so desperate, I wonder if it is safe for me to be alone.—Widow.

Comparatively few people really lose their minds from worry. When we come to investigate such cases we usually find some early history that explains the cause of the mental break, and it is not common worry. I do not think that a person who is in your frame of mind should allow herself to live alone, and I think you should seek some change; but believe that you need have no fear of insanity.

Radio beacons for the service of aircraft have proved most successful, according to the department of commerce. A number of them are being set up in different parts of the country.



## Stories From Bugville

Mr. White Grub Becomes Mr. Clumsy June Bug

ONE warm day in June, Mr. White Grub wiggled his way out of the ground and blinked at the bright sunshine.

"The sun is too warm," he said, "I'll stay down here where it's cool," and he wiggled his crooked way back into the earth again.

He had scarcely disappeared when a tall blade of grass growing nearby cried, "Ouchie, ou."

Soon the clover plant cried, "Ouchie, ou," too, all because Mr. White Grub,



Mr. June Bug Ate a Big Hole in the Leaf Before He Flew Away.

with his pinchers that he carried right at his head, was eating their roots off for his dinner. Mr. White Grub is most always hungry and he eats, and eats, and eats. Wherever he goes the plants will wither and die.

After a while Mr. White Grub grew fat and plump from eating the roots of the plants, and went to sleep in a tiny crevice in the ground. When he awoke he was very surprised, for he was no longer a grub at all, but a big beetle with a shiny black coat. He was really Mr. June Bug.

Mr. June Bug poked his head out of the ground and began wiggling his way through the grass in search of food. On his head he carried a pair of pinchers just like he had had when he was Mr. White Grub, only larger. He had not gone far before he discovered that he had wings.

"I guess I'll fly a bit," he said, and flapping his wings in clumsy fashion he flew up in the air.

He flew right into the house and then bumped "kerplunk," against the wall.

"Oh, ho," laughed Mr. House Fly, who was dusting his legs on the wall near by. "You clumsy fellow, can't you see the wall?"

"You won't laugh at me again, you saucy little fellow," he said, and opened his pinchers ready to grab Mr. House Fly.

But he was so clumsy that Mr. House Fly flew away before Mr. June Bug's pinchers were even opened.

After bumping into the wall several times, he finally found the door and flew out into the air again. This time in his blundering flight he bumped "kerbang" into a leaf on a Maple Tree.

"You clumsy fellow," said the Leaf, "can't you see where you are going? See, you tore a hole in my pretty green dress."

"You won't scold me," said Mr. June Bug, "I'll eat you for my supper." Then he ate a big hole in the Leaf before he flew off on his blundering flight again.

(Who has seen Mr. White Grub and Mr. June Bug? As the weather gets warmer you will see them often. Let's see who will be the first ones to tell me about the ones they saw this year?—Aunt Martha).

### Coleman AIR-O-GAS PRESSURE STOVES

## Makes Its Own Gas

Put this Air-O-Gas Stove in your kitchen and you will have a modern pressure stove always ready to provide a dependable supply of gas heat for all cooking purposes. It makes its own gas—that's why the Air-O-Gas gives you the finest kind of gas service, no matter where you live. Requires no piping, no wiring, no installation expense.

The Air-O-Gas works on the gas-pressure principle, just like Coleman Lamps and Lanterns. Uses any good grade of regular motor gasoline. Its leak-proof, airtight tank has fuel control valve, fuel and air gauges, and hand operated filler plug. Can't be filled while stove is lighted—can't spill fuel if tipped over.

It generates quickly and produces an intensely hot blue flame. Instantly regulated to high or low blaze by the turn of a valve. It's clean—no soot on utensils, no wicks to char, no smoke or ashes. Air-O-Gas Stoves are made in a variety of models to meet every cooking need. Prices range from \$22 to \$85 in the United States.

If your dealer is not supplied, write us for descriptive folder, prices and full information. Address Dept. MF-10

**THE COLEMAN LAMP & STOVE COMPANY**  
Factory and General Offices: WICHITA, KANSAS  
Branches: Philadelphia, Chicago, Los Angeles  
Canadian Factory: Toronto, Ontario

## LOWEST PRICES IN OUR 30 YEARS BREEDING EXPERIENCE

Pay Only ONE CENT Per Chick with Order

Tom Barron Strain S. C. White Leghorns, 270-300-egg foundation; 300-egg strain Anconas; all large, long-bodied birds with large combs. Heavy winter layers. Also Evergreen strain Rose Comb White Wyandottes. Immediate Delivery.

**PULLETS.**  
Right Now is the time to order your 10-12 weeks Pullets for June and later deliveries. Write for Prices.

	50	100	500	1000
S. C. English White Leghorns	\$5.00	\$4.75	\$4.50	\$4.25
S. C. Shepard's Anconas	5.00	9.00	42.50	\$3.00
Rose Comb White Wyandottes	7.00	12.50	60.00	.....
Broiler or Mixed Chicks	3.75	7.00	35.00	.....

For our EXTRA SELECTED MATINGS ADD 2 CENTS PER CHICK TO THESE PRICES. Order direct from this ad—Save time and worry. We guarantee Satisfaction and 100% Live Delivery on all chicks. Shipped postpaid. Reference, Zealand State Bank.

RELIABLE POULTRY FARM & HATCHERY, R. 1, Box 42, Zeeland, Mich.

## HUNDERMAN CHICKS

OUR CHICKS ARE MICHIGAN STATE ACCREDITED.

### LOOK! REDUCED PRICES! EFFECTIVE MAY 23rd

Here's your opportunity! Buy Chicks "hatched right," "bred right," to males selected from our heavy-laying breeders. Every breeder in our flocks wears sealed leg band put on officially by state inspectors. Order now from this ad.

Postpaid (100% Live Delivery Guaranteed)

MAY 28 AND THEREAFTER	25	50	100	400	1000
S. C. White Leghorns Big Type	\$2.75	\$4.75	\$9.00	\$34.00	\$80.00
S. C. Brown Leghorns Big Type	2.75	4.75	9.00	34.00	80.00
Barred Rocks	3.75	6.25	12.00	46.00	110.00
S. C. Reds	3.75	6.25	12.00	46.00	110.00
Light Mixed and Left Over	2.00	4.00	7.00	28.00	.....
Heavy Mixed	3.00	5.25	9.00	36.00	.....

8 TO 12 WEEKS OLD PULLETS—White and Brown Leghorns only. R. 4, Box "F," ZEELAND, MICHIGAN.

**BIG FREE CATALOG**  
On Request.  
Write For It.

HUNDERMAN BROTHERS,

## BARGAIN SALE ON BABY CHICKS

All Michigan accredited. From the very best egg strains in the country.

PRICES FOR June and July

For prompt delivery in lots of	100	500
S. C. W. Leghorns, Anconas	\$ 8.00	\$37.50
Barred Rocks	10.50	50.00
Broilers, Assorted (not Accredited)	6.50	32.00

All strong, vigorous chicks. Biggest bargain we have ever offered on baby chicks of this high grade in all our long years of experience. Order NOW! Direct from this ad to insure delivery date.

MICHIGAN POULTRY FARM, R. 2, HOLLAND, MICHIGAN

## BABY CHICKS THAT YOU CAN DEPEND ON

Our twenty-third year. 96,000 capacity. The following low prices are effective for the balance of the season. Catalogue free.

	100	500	1000
S. C. W. LEGHORNS	\$ 9.00	\$40.00	\$75.00
S. C. M. ANCONAS	9.00	40.00	75.00
S. C. BL. MINORCAS	11.00	50.00	95.00
Left-over Odds and Ends	8.00	35.00	65.00

PINE BAY POULTRY FARM, R. 4, Holland, Mich.

**8 Weeks Old Pullets for May 16th Delivery at 85c.**  
We sell our own stock only from 3-year, blood-tested stock. All breeding males 200 to 326 pedigreed. Michigan accredited. SIMON HARKEMA & SON, Holland, Mich., R. 1.

## SEND NO MONEY for SILVER LAKE CHICKS

Just mail your order. We ship C. O. D. and guarantee prepaid 100 per cent live delivery of sturdy, pure-bred chicks from healthy bred-to-lay flocks; Wh., Br., Buff Leghorns, 8; Bd. and Wh. Rocks, R. 1. Reds, Anconas, Blk. Minorcas 10; Buff Orpingtons, Wh. Wyandottes, Buff Rocks 11; Mixed 7; all heavier 9c. Orders for 50 chicks 1c more, 25 chicks 2c more.

Silver Lake Egg Farm, Box M, Silver Lake, Ind.

## Reduced Prices on Peerless Chicks

S. C. White Leghorns (Big Type)	9c
S. C. Buff and Brown Leghorns	9c
Barred Rocks and R. 1. Reds	11c
White Wyandottes	12c

All chicks hatched in our own hatchery. Satisfaction and 100% live delivery guaranteed.

The Smith Hatchery, Bryan, Ohio

## ROYAL EGG BRED CHICKS

75% OF OUR SALES EACH YEAR ARE TO OLD CUSTOMERS

English - Tancred - Hanson Strains

CONTEST WINNING S. C. WHITE LEGHORNS

REDUCED PRICES

	50	100	500
A Mating	\$5.25	\$10.00	\$47.50
B Mating	4.25	8.00	37.50
Broilers	\$6.50 per 100.		

For the weeks of June 13, 20 and 27th we will offer our chicks at the above low prices. These chicks have the same blood lines as our winning contest pen. Records up to 303 eggs in one year. Order direct from this ad. 25% down books your order. Balance one week before shipping date. Reference: Zeeland State Commercial and Savings Bank. Will ship C. O. D. if you prefer.

Royal Hatchery & Farms, S. P. Wiersma, R. 2, Box M, Zeeland, Mich

## VILLAGE VIEW Chicks direct from farm to YOU



### Big Reduction for June

Our breeding stock has free farm range and is selected by a trained poultry specialist. High record male birds are used exclusively. Buy from experienced poultrymen and save.

Postpaid prices	50	100	500	1000
Eng. Wh. Leghorns & Anconas.....	\$5.00	\$ 9.00	\$45.00	\$ 80.00
Barred Rocks .....	6.50	12.00	55.00	100.00
Assorted Chicks for Broilers.....		8.00	37.50	70.00

We guarantee 100% live delivery. Order direct from this ad and save. Ref., Zeeland State Bank.

8-Week Old Pullets 90c Each

We will deliver to you, immediate shipment guaranteed. 8-wk.-old pullets at 90c each. Healthy, vigorous stock that you will like. Write at once.

Village View Poultry Farm, R. 3, Box 2, Zeeland, Mich.

## SALE OF MAY CHICKS

Tremendous Price Reduction for Immediate Orders.

For Immediate Delivery in Lots of	100	500	1000
S. C. English White Leghorns	\$8.50	\$42	\$83
Brown Leghorns and Anconas			
Broiler Chicks	\$7.00		

Barred Plymouth Rocks. Add TWO CENTS PER CHICK in any quantity. For any shipments of less than 100 chicks add 25c per order to these prices.

Also White Leghorn Pullets, 10 weeks old, in lots of 25 or over, at the low price of \$1.00 each. Terms are 20% with order. Balance C. O. D. References—People's State Bank of Holland. All chicks in this sale are carefully culled, range-fed, and bred stock of high record matings. Order direct from this ad, but either write or wire your order at once. Wire orders given immediate attention. 100% Live Delivery Guaranteed—Postage Prepaid.

SHADY GROVE CHICKERY, Box M, HOLLAND, MICHIGAN.



## DILIGENT CHICKS Did It Well!

PLEASE NOTE OUR NEW LOW PRICES FOR BALANCE OF THIS SEASON

Postpaid prices	50	100	500
S. C. White Leghorns.....	\$4.25	\$ 8.00	\$37.50
Barred Plymouth Rocks.....	5.25	10.00	47.50
S. C. Rhode Island Reds.....	5.25	10.00	47.50
Mixed Chicks, all heavies.....	4.75	9.00	42.50

Diligent Hatchery & Poultry Farm, HARM J. KNOLL, Prop.  
R. R. No. 11, HOLLAND, MICHIGAN.



## CHICK PRICES CUT

PULLETS FOR SALE—FINEST BREEDING. ILLINOIS STATE ACCREDITED HATCHERY No. 1. Stock inspected and mated for past 10 years by nationally known, Licensed A. P. A. Poultry Judges, America's leading high production egg lines. A trifle more than ordinary stock, but compare the breeding. Pullets 8 weeks old, \$1 each; 10 wks., \$1.25; 12 wks., \$1.50. 10% discount 1 to 4 doz. 20% off on orders over 50. Accredited chicks as priced below. Chicks from Accred. flocks tested for Bac. Wh. Diarrhea and T. B. add 2c each.

Wh., Br., Bf. Leghorns, Anc., Heavy Ass'd., \$ 9.00	Chick prices 10 more in lots less than 100 and 1c less in lots of 500 and up.
Bar'd. White, Buff Rocks, S. & B. C. Reds 11.00	
White Wyandottes, Buff Orpingtons, 12.00	
White Orpingtons, White Minorcas, Lt. Brahmas 14.00	
Jersey Black Giants 17.00	
Mrs. Dorothea J. Rainey, Mgr. Assorted, All Breeds 8.50	
Dept. E-41	LITCHFIELD, ILL. BUTLER, ILL.

# LOOK!

Buy Our Big, Husky, Easy to Raise CHICKS  
Can Ship at Once at Reduced Prices

15 Pure-bred varieties of Barred, Buff, White Rocks, Single or Rose Comb Reds, Black Minorcas, 12c. White or Silver Wyandottes, 13c. Buff Orpingtons, 14c. Large Brahmas, 17c. Heavy mixed, 11c. Anconas, 10c. Light Mixed, 8c. Brown or Buff Leghorns, 9c. Morgan Tancred Blood-tested White Leghorns of 303 to 330-egg blood line, 14c each. Add 35c extra if less than 100 ordered. June, July chicks, \$1.00 per 100. less 1,000 6 to 12-week-old pullets. Get Free Circular.

BECKMAN HATCHERY, GRAND RAPIDS, MICH.

BABY CHICKS S. C. White Leghorns  
S. C. Mottled Anconas

\$8.00 Per 100 \$37.50 Per 500 \$70.00 Per 1000

Odds and Ends \$6.50 per 100 \$30 per 500

Order direct, live delivery guaranteed. Prompt shipments by prepaid mail. Reference State Commercial Bank  
MAIN HATCHERY, ZEELAND, MICHIGAN

# 1000 PURE-BRED CHICKS ON HAND

CAN SHIP AT ONCE AT REDUCED PRICES

White and Buff Rocks, Reds, Black Minorcas, 12c. White or Silver Laced Wyandottes, \$13.00 per 100. White, Brown and Buff Leghorns, 8 1/2c. Anconas, 10c. Buff Orpingtons, 14c. Heavy mixed broilers, 11c. Light mixed broilers, 7c. Light Brahmas, 17c. Blood tested Tancred White Leghorns, 312-egg breeding, 13c. If less than 100 ordered add 35c extra. June 28th last hatch. 4 to 10 weeks old pullets. Circular free.

LAWRENCE HATCHERY, PHONE 76761, GRAND RAPIDS, MICH.

## OUR BOYS AND GIRLS

### The Prohibition Question

Christine Zech Comes Back

I HAVEN'T been at home for some time and so I didn't get the Michigan Farmer, and I tell you I missed it most as much as my family. I want to thank you M. C.'s for having an interest in my article on prohibition.

Indeed! "myself and many folks like me." What a pang. Ah, what a hurt to my heart, really it must have missed a beat for I nearly felt it. You see, here I've been trying to be original for the longest time, and here you tell me I'm like so many other folks. Read my article again, will you please, and see if you wouldn't

drink, the Indians soon fell asleep, and instead of defeating were defeated.

The British dearly loved the ladies and their brandy. On December 26, 1776, Washington marched nine miles in a blinding snowstorm and finding the Hessians at Trenton enjoying a Christmas party, easily captured and made them prisoners, mostly because of their weakness from drink. In many instances, drink did not encourage, awaken, and strengthen the soldiers because they, too, like others, fell for the bottle to the last drop, and lost!

It is usually drinks of such alcoholics as whisky, gin, brandy, etc., that make men mad; make them leave their wives and children; and ruin their homes. 'Tis often drink that drags a man from perfect health and fame to utter degradation and old age. At one time, I read the following in a paper or magazine: "What Will His Future Be?" Beneath were two rows of pictures consisting of four each. On the left side beneath the first picture was written, "at sixteen, truancy and cigarettes;" picture two, "at twenty-one, impurity and drunkenness; picture three, at thirty, vice and crime;" picture four, "at forty-five, jailbird and degenerate." Always, drinking plays a prominent part in a degenerate's career.



Doris Williams Looks Like a Typical, Wholesome M. C.

change your mind. I wrote that piece because Unk said it would be hard. Now I am about to write an article on the other side of prohibition, or on the affirmative. I intend to be able to write as well on both sides of any question that arises.

When I was but six years old my mother put into my hands a very pretty little book filled with pictures. How proud I felt that I could have a book to read like my own daddy and mother. I was turning the pages, unconscious of the contents, just proudly thinking how very big I was at last, when a brightly colored picture caught my eye. I will describe the picture for you, and you will know the story also, and its connection with my article.

Noe had three sons—Cham, Sem and Japhet. With them he tilled the soil and planted his grape vines. When the time came for wine to be ripe he, not knowing the strength of wine, drank too freely and became drunk. Paralyzed, he lay in his tent. Cham, finding him in this condition, laughed outright, and told his brothers of what he had seen, in a jesting manner. But Sem and Japhet, filled with reverence for their aged father, threw a cloak over their shoulders and, turning their eyes away, walked backward and covered him. When Noe awoke and heard what had happened, he cursed Cham and blessed Sem and Japhet.

That was the picture I saw, and see to this day. I shan't ever forget how a look of horror was printed on the faces of Sem and Japhet, shame on that of fool Cham, of agony on that of their father.

The Lord names seven capital sins, among them lust, or excessive eating and drinking. I believe all laws are based upon home laws. What I mean is, "What is God's law should be law in a home." What is home law? Nothing more than a foundation for the laws of a nation. Therefore, favor prohibition.

Didn't drink enrage the savage Indians? 'Twas the white men who furnished fire-water, that the raving savages would be more fit to kill the white men's enemies—not the Indians'. But one reads that, because of

Here we have the right side. Picture one, "at sixteen, clean and studious;" picture two, "at twenty-one, purity and industry;" picture three, "at thirty, manliness and success;" picture four, "at seventy, honor and respect." On the bottom of this poster was the wide and narrow way. Which?

Come to think of it, a man in his correct state of mind should know how much to eat and drink. God gave



Lillian Chamberlin Thinks U. F. is a Bright Looking Fellow.

man a brighter mind than animals, but some men don't use them. Then it is about time someone cared for them and gave them to eat and to drink, as a babe who has no mind as yet to decide how much, when, and what. In that case, prohibition should be enforced, but I do wish humanity knew how much, why, when and what.

I've had some bit of experience lately. I've been working away from home these last two years, and found things are not as they seem. You wouldn't believe me if I told you that a certain wealthy group of society people of some large towns in Michigan break all the prohibition laws ever made, and get away with it. Oh, yes, learn by experience, they say Well, I did, but who believes it?

Say, Unk, if you have a soft spot

in your heart, hold out a helping hand. You see, I've failed utterly in debating on the affirmative, just as much as the prohibs have failed in promoting temperance and sobriety.

## Our Letter Box

Dear Uncle Frank:

This is rather late in the season to thank you for the lovely box of stationery. It surely came in handy.

I was in Detroit all last week and I didn't even go to see you. Wasn't it awful? Listen, Circleers, if you were to pick out ten people who did the most for the advancement of the world, who would they be?

Didn't you like John O. Robert's letter? I did. Evidently he believes as I do. I don't agree with Anthony Juergens about the ribbons. Lots of people notice them. Everyone says, "Let's see your pin." Don't you think I'm right, Uncle Frank?—Dagmar Thomsen.

Am glad you like the stationery. Shame on you for not coming and saying "Hello" to me. You have suggested a fine subject. Let's have some opinions on it. I am inclined to agree with you about pins, etc.

Dear Uncle Frank:

I surely agree with "Music Lover" about music. There isn't another thing, I don't think, that I like better than music, especially on a violin, and a Hawaiian guitar. It is my ambition to play one of these instruments when I am older. "Beautiful Isle of Somewhere" is certainly a pretty piece, as Music Lover said. Those who have radios should tune in on WHT on Sunday afternoon between 1:00 and 2:30 o'clock, for I am almost sure they will play it. Also, on WLS on Saturday nights at half past eight. The radio sure is a wonderful thing. It seems so lonesome when we don't tune ours in.

My sister won the trip to Chicago from our county. She said she sure had a wonderful trip. I'll tell you, boys and girls, if you aren't in a club of some kind, join this summer and you'll sure benefit by it.

Here's wishing success to all that join. I will close. An M. C., Helen Duffin.

Music is all that has been said about it. The radio is a fine means of education and entertainment. It is fine that your sister has been successful in club work.

Dear Uncle Frank:

I think everybody should at least get a high school education, even if they do not get a chance to go to college. I expect to have a high school education before I quit going to school, and I think everyone should.

I have made three fast friends through the letter scramble. One of my correspondents stopped writing to me, or I would have had four correspondents. One of my correspondents is taking a business course at Lansing, which shows that she expects to have a good education.

I am a farmer's daughter and I have always declared that I would never live in the city, and I don't think I ever will, either. Some people might not agree with me, but the farm is the best place to live. I am boarding in town at present and going to school because my school was discontinued. I have a real good place to board, but even at that, I miss the freedom of the good old home on the farm.—Mildred Hunter.

I can see that it won't pay anyone to talk city to you. I hope you will always enjoy rural life as you do now.

### ADD-A-WORD WINNERS.

MANY entered this contest who did not have the right idea. The list below contained the largest number of words; it was made by Cecil Nelson. You will note that the list is not very long. Other winners, of

course, used other combinations of letters starting with O. The winners are as follows:

#### Stationery.

Dorothy Bartlett, Allen, Mich.

#### Beads.

Syma Vaataja, R. 1, Box 39-A, Chasell, Mich.

#### Pencils.

Virdie M. Baer, R. 3, Remus, Mich.  
Saimi Lahti, Box 76, Aura, Mich.  
Gladys Maine, Jonesville, Mich.  
Edward Lahti, Aura, Mich.

#### Baseball.

Cecil Nelson, Filion, Mich.

#### Watch-chain Knives.

Edwin Carlson, Sutton Bay, Mich.  
William Lahti, Aura, Mich.  
Theodore Waisanen, Box 62, Aura, Mich.

#### The Best List.

o, so, son, nose, snore, reason, senator, treasons, assertions, serrations, reassertions, reservations, preservations.

### ADD-A-LETTER CONTEST.

SO many seemed to misunderstand our add-a-letter contest that I believe it will be good to have another right away. The thought in this contest is to start with one letter, such as A, and add a letter each time, but just use the letters you have already used, plus the new one added. For example: a, an, ant, ain't, saint, taints, attains, etc. Perhaps a dozen words, or less, would be about all one can make.

This time we will use the letter I. The girl who makes the greatest number of words according to the above directions, will be given a box of nice stationery; the next, beads, and the next three, unique pencils. The boy sending the best list will get an indoor baseball; the next, handy clutch pencil; and the next three, watch-chain knives. All who send in good lists will be sent M. C. buttons and cards if they are not now members.

Please don't forget to put your name and address in the upper left-hand corner of your paper, and M. C. after your name if you are a Merry Circler. The contest closes June 10. Send your papers to Uncle Frank, Michigan Farmer, Detroit, Michigan.

### M. C. FUND CONTRIBUTORS.

MONEY is still coming in for the purchase of that radio which we want to buy to spread happiness among the crippled children at the Children's Hospital of Michigan, but it is not coming in very fast. Please keep it coming. Below are the names of some of the recent contributors:

Jasper Quakkelan, Henrietta Medendorp, Ida Baker, Ruth May, Hazel Block, Nina Phillips, Lynn Mix, Ruth Sundstrom, Eleanor Hawkins, Ruth Houseman, Berneta Bell, Mary Fox, Helen Fox, Sherlie Valentine, Violet Draves, Jesse Shostt, Clare Fox, Harold Madinger, Lawrence Haddrell, Elizabeth Baldwin, Louise Webb, Mary Grow, Clark Wells, Grace Carr, Jamella Abraham, Jennie Johnson, Margaret Berner, Verlin Johnson, Grace Morgan, Frieda Doster, Anna Nyman.

A cure for X-Ray burns is claimed by a French scientist.



ONE MILLION—AMERICAN-INSPECTED QUALITY, EGG PRODUCTION AND EXHIBITION CHICKS. 40 Popular and Rare Breeds. Chicks in Quality Matings as follows. 100% Live Delivery—  
POSTPAID SUMMER PRICES:  
White, Brown, Buff, Black Leghorns.....\$ 9.00  
Barred & White Rocks, Reds, Anconas..... 11.00  
Blk. Minorcas & Langshans, R. I. Whites..... 13.00  
Wh. & Silver Wyandottes, Buff Orpingtons..... 13.00  
Gol. & Col. Wyandottes, White Minorcas..... 16.00  
Lt. Brahmans, Andalusians, R. C. Anconas..... 16.00  
Heavy Assorted Chicks, \$10 per 100 straight. Light Assorted, \$8 per 100. There is still time to put in these FAMOUS NABOB 18K CHICKS this season if you ACT QUICKLY. Get our Big, Illustrated 60-Page Catalog for further information on Rare Varieties. Member International B. C. A. Bank Reference. NABOB HATCHERIES, Box F-1, GAMBIER, OHIO.

### BRED-TO-LAY MICHIGAN ACCREDITED CHICKS

Prices for delivery May 18 to June 6:  
Special Tancred S. C. W. Leghorns, AA Matings.....\$7.50 \$13.00 \$22.00  
Tom Barron Strain S. C. W. Leghorns headed by Progeny of Chicago Winners, AA Grade..... 7.00 13.00 22.00  
Regular Laying Grade S. C. White and Brown Leghorns 6.00 11.00 21.50  
Mottled Anconas..... 6.50 12.00 21.50  
Barred Ply. Rocks, S. C. R. I. Reds, and S. C. Blk. Minorcas..... 7.25 13.00 22.00  
Mixed Assorted Light..... 4.25 8.00 35.00  
Mixed Assorted Heavies..... 4.75 10.00 .....  
Starting June 8th deduct one cent per chick from these prices. We guarantee 100% Safe Arrival in Good Health. Write us now for our Prices on Pullets. AMERICAN CHICK FARM, Box M, ZEELAND, MICHIGAN.



Member I. B. C. A.

## Safety

---37 Years of It

Since 1889, whether security values were up or down, crops bountiful or limited, the business outlook bright or dull, money invested with The National Loan & Investment Company has always been worth 100 cents on the dollar and paid dividends as surely and regularly as U. S. government bonds.

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## SILVER WARD SELECT CHICKS

ROCK BOTTOM PRICES

Never before have you been offered a better value in chicks than you are here. Read these low prices and realize that here is an unusual buy. You get Michigan accredited chicks which means every breeder is approved by specialists under supervision of Michigan State College. You get 100% live delivery, postpaid. You get prompt shipment. You get low prices. And of greatest value of all, you get that famous Silver Ward quality which means so much in poultry profits. Will ship C.O.D. if you desire. We can also offer splendid 8-10 week old pullets at very reasonable prices, of the same high quality.

### Low Chick Prices—Immediate Delivery

EXTRA SELECTED	25	50	100	500	1000
Barron S. C. White Leghorns	\$3.00	\$5.50	\$10.00	\$47.50	\$90.00
Tancred S. C. White Leghorns					
Shepard's Anconas					
STANDARD HEAVY LAYING	25	50	100	500	1000
S. C. English White Leghorns	2.75	5.00	9.00	45.00	85.00
S. C. Anconas	3.75	7.00	12.00	62.00	120.00
Selected Bred-to-lay Barred Rocks	2.15	4.00	7.00	35.00	70.00
Assorted Broiler Chicks, all breeds					

Box 29

ZEELAND, MICHIGAN

### CHICKS—PULLETS

Thousands of Chicks at 8c and up. 10,000 Pullets 60c and up. Pullets shipped C. O. D. on approval. Write for special prices.

Box M FAIRVIEW HATCHERY & FARMS, Zeeland, Mich.

Wonder LAYING MASH MAKES your hens lay more eggs—you make more money—it's a wonder. Write Today for free book. ARCADEY FARMS MILLING CO. Dept 9 Brooks Building Chicago, Ill.

### REDUCED PRICES for June

Genuine Tom Barron English White Leghorn, large type lapover combs, selected stock. Non-setting Barred Rocks, flocks headed by males whose dams have trapnest records, 206-236 M. S. C. laying contest. 100 500  
White Leghorns .....\$ 8.00 \$37.50  
Barred Rocks ..... 10.00 47.50  
Circular free.  
HILLSIDE HATCHERY, R. No. 3, Holland, Mich.

### Worth While Chicks

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

**Walhalla Poultry Farm**  
Noblesville, Ind., Box 50

### CHICKS! REDUCED PRICES! 7c UP!

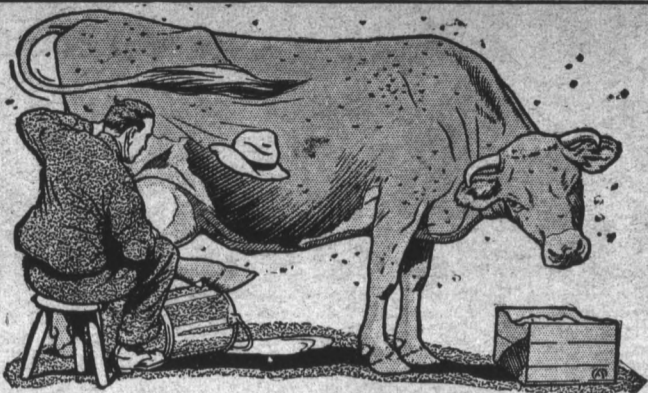
From Michigan Accredited Class A flocks. Special Eng. Whites, S. C. Eng. White & Brown Leghorns, Anconas, R. I. Reds and Assorted Chicks from healthy, heavy layers. No money down. 100% live delivery. Postpaid. Also low-priced pullets. Catalogue free THE BOS HATCHERY, R. 2-M, Zeeland, Mich.

### Blood Tested Baby Chicks

Reduced Prices Effective May 16th  
Extra Selected B. P. Rocks \$13  
Selected B. P. Rocks & Reds \$12  
Mixed 10c 100% live delivery  
CARLETON HATCHERY, Carleton, Mich.

### QUALITY CHICKS PRICES CUT

100% alive, prepaid. Accredited. 50 100 500 1000  
Leghorns .....\$5 \$10 \$17.50 \$30  
Reds, Wyand. Wh. Rocks, Anc. Orps. 7 11 22.00 100  
Brahmas 100 215 Assorted 100 25. CATALOG FREE  
MISSOURI POULTRY FARMS, COLUMBIA, MO.



## Dr. Hess Fly Chaser makes cows milkable

They relax. They let down. You get the last drop. It is long lasting.

Dr. Hess Fly Chaser has the odor of the pines. Because of this odor it serves a threefold purpose:

First—It is the most effective fly and mosquito repellent known to science—quick in action, long lasting.

Second—It is an excellent disinfectant. Therefore, while it is keeping the flies away, it is also destroying the disease germs that attack your cow's body—disinfecting your barns, and injecting into the atmosphere a most healthful odor.

Third—No herd sprayed with Dr. Hess Fly Chaser ever suffers from warbles, which cause a great annual loss to dairymen and farmers.

It does not blister—does not stain the hair—does not taint milk. Applied to the hands and face, it keeps the mosquitoes away.

*If Dr. Hess Fly Chaser does not prevent the milk slump, make your cows milkable in fly-time, save your horse-flesh all summer long, it will not cost you one cent.*

**DR. HESS & CLARK, Inc., Ashland, Ohio**



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

## BINDER TWINE

In five or eight-pound balls and as low as 11¢ cents per pound in quantities. Best quality and satisfaction guaranteed. Farmer agents wanted. Write for sample and circular.

Theo Burt & Sons, Box 175, Melrose, Ohio

## WANTED

Shippers of Frogs' Legs

Highest market prices paid. Write or wire

**WM. L. BENJAMIN**

Wholesale Meats, 2472 Riopelle St., Detroit. Phone, Cherry 2757, Cherry 1908. Season Opens June 1st

## Can't Clog Rotary Hog Feeder

PREVENTS waste—

saves time and labor.

Hogs push against ped-

als in trough and bring

down feed at right speed.

Wooden base and

trough, galvanized steel

drum and cone. Hinged

cover. Adjustable to any kind of ground feed

or small grain. Two sizes—5 and 13 bushels.

Write for circular and prices. Agents wanted.

**DANE MFG. CO., Dept. M, Dane, Wis.**



## Exterminate Corn Borers ROSS METAL SILO

Made of copper-content Rossmetal galvanized. No shrinkage or swelling. Can be increased in height. Movable. Safe against fire and wind. No freeze troubles. Send for remarkable booklet—"What Users Say."



Easy terms—buy now, pay later. Agents wanted.

Check items which interest you and write for catalog.

Ross Old Reliable Ensilage Cutter is another exterminator of the borer. Cuts ensilage into 1/4 inch pieces. All steel construction. Write for prices.

The Ross Cutter & Silo Co., (Est. 1850) 241 Warder St., Springfield, Ohio

Makers of Brooder Houses—Silos—Cribs—Bins—Cutters—Mills—Garages

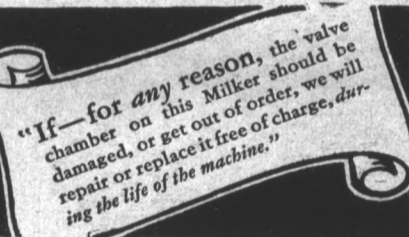
## SOFT BUNCH OR BRUISE

on ankle, hock, stifle, knee, or throat is cleaned off promptly by Absorbine without laying up horse. No blister; no pain; no hair gone. At druggists, or \$2.50 postpaid. Describe your case for special instructions. Valuable horse book 8-S free.

A satisfied user says: "Colt's knee swollen four to five times normal size. Broke and ran for two weeks. Now almost well. Absorbine is sure great."

## ABSORBINE

TRADE MARK REG. U.S. PAT. OFF. W. F. YOUNG, Inc. 488 Lyman St., Springfield, Mass.



## What THIS Guarantee Means

19 years ago, the first Hinman Milker carried the above guarantee.

From that day to this, no Hinman owner has ever had to buy a new valve to replace the original one.

### THIS GUARANTEE MEANS

1. That from the start, the Hinman idea has been to sell dependable, day-after-day machine milking—not just a machine.
2. That the Hinman Valve, so simple it hasn't even a spring, has to be reliable or we couldn't afford to make that guarantee.
3. That of the two moving parts on the Hinman (aside from power) the only one that needs factory attention to adjust it is protected by free service as long as you operate a Hinman Milker.

Think what that guarantee means! And then get all the facts. Find the other reasons why the Hinman is today "the milker most dairymen use."

Send for the Hinman Catalog. Write today.

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

## HINMAN MILKERS

PORTABLE GAS ENGINE • STANDARD • PORTABLE ELECTRIC

# Live stock AND DAIRYING

## THE AMES CATTLE FEEDERS' DAY.

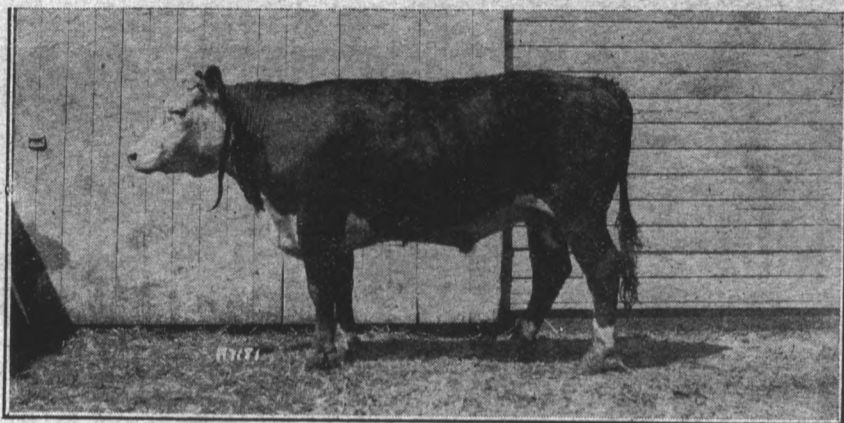
(Continued from page 717).

putting them on the market, was the statement of Evvard.

What age of cattle will feed into the most profit? To settle this question, three more groups were used; one lot of two-year-olds; one lot of yearlings; and one lot of steer calves.

greater margin of profit to their owners.

We have never kept records on which to make any actual comparison, but have been convinced, from having used green feed in one form or other for the past few years, that such is the truth. Those intending to supply this form of feed for their hogs might be interested in the different plans which we have used to



Silage-fed Steers, Properly Handled, Made Very Good Gains.

To get some idea as to the effect of sex on feeding cattle, a lot of heifer calves were fed the same as the steer calves.

Beginning with the two-year-olds and going down in the ages, the average daily gain decreased, being the highest in the older stuff. In the same manner the cost of 100 pounds of gain was highest in the case of the older stuff, and decreased materially as age was decreased. The largest margin was returned on the yearlings, due to their superior finish, whereas, the narrowest margin was secured on the steer calves, due to the fact that they made their gains by growing frames and not by putting on a market finish.

Due to some physiological reason, the heifer calves fed the same as the steer calves in this experiment gave a perfect check to the results secured in several Nebraska trials, and put on fat, while the steers increased the size of their frames. The heifers were in good market condition, while the steers showed hardly no degree of finish. Consequently, as a result of this higher degree of condition, the margin over feed costs was larger in the case of the heifers than it was in the case of the steers.

## SUPPLYING THE HOGS WITH GREEN FEED.

EXPERIMENTS conducted by agricultural colleges have conclusively proven that hogs having access to green pasture, or fed a daily ration of green feed in addition to their regular milk and grain ration, return a much

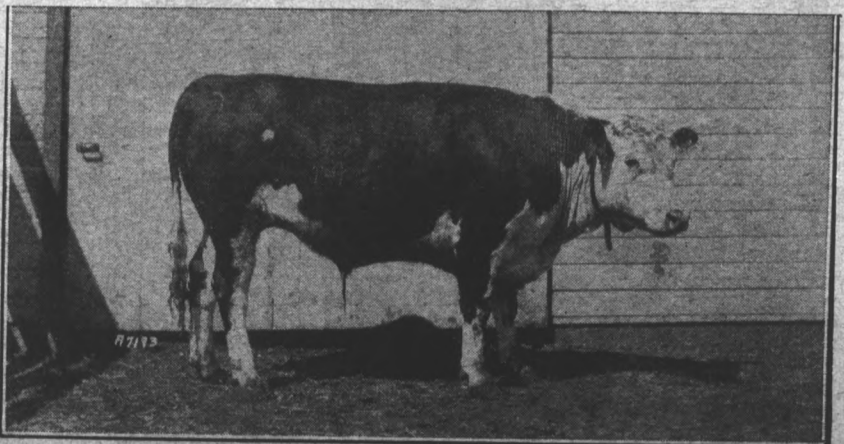
keep a supply of green feed on hand during the summer months.

Having noticed that hogs seemed to relish green cornstalks, we decided one spring to plant a small lot to corn and see what it would do for the hogs. The rows were planted twenty-eight inches apart. We cut every other row for the hogs, and allowed the remaining rows to develop into corn. This furnished the hogs with feed from the middle of July until late in the fall, but as it did not furnish us with a very early feed, we kept watch for something that looked better to us.

Some of my neighbors had tried a mixture of oats and peas, and spoke well of it, so I used the combination one year. This furnished the feed much earlier in the spring, but as I knew it would not last throughout the summer, seeded it to clover. This was quite satisfactory, but having heard about rape, thought that it possibly provided something even better. Rape may be sown as early in the spring as the ground is fit to work, and is ready to be pastured by the first of June and will last the season through. If it is inconvenient to pasture, it may be mowed as needed, and if not cut too close to the ground, will put forth new leaves and be ready to be mowed the second time in a few weeks.

After having used rape a couple of seasons, we decided to try a mixture, so sowed the rape thinner and seeded it to June and alfalfa seed. This afforded a variety for the hogs, and an early pasture the next spring, without the necessity of plowing.

We consider the use of the alfalfa as the base of the green feed for the



Alfalfa Hay is a Premier Roughage for the Beef Producer. This Steer and His Mates Each Gained 3.2 Pounds Daily on it.

## Mr. Lamb Feeder:

Opportunity will present itself, the last of May, and in June, when you will be able to buy choice quality 55 to 60-lb. California feeding lambs at around (\$13.00) cwt. This will be as cheap as they will sell at any time in the season, and we predict that feeders will sell at from (\$14.00) to (\$15.00) cwt. in August, September, and October, because of great losses in the feeder lamb producing states of Wyoming, Oregon, and Montana. Most of these feeder lambs were under contracts to Colorado, and Nebraska feeders, and we are advised that these losses in these states were 40%, which means that these Colorado, and Nebraska feeders will be short 40% on their contracts at time of delivery, and they will then have to go into the open market in order to fill their requirements, which will help force the market on feeders upwards in October. The lambs out of Idaho, and Washington will be 85% fat, which means that there will be few feeders through the summer months, and that they will sell from (\$14.00) to (\$15.00) cwt. all summer and fall. The reason these California lambs are selling so reasonable is because it is early, and there is no demand for them. Take advantage of this opportunity, and buy now, running them on grass through the summer, growing them, and have them fat for the December market, which will be high. Send your orders to us, and we will ship you strictly graded, and uniform, feeding lambs, well sorted, just as cheap as they can possibly be had on the market.

We will guarantee every load to be just as represented, and ordered by you, and you have the privilege of looking at the lambs before you pay your draft, at the bank. We will have about 3000 of these California feeder lambs each week to offer for sale, starting May 23rd. Wire your orders, satisfaction guaranteed.

**Wool Growers' Commission Co., Inc.,**  
F. W. SHURTE, Mgr. Feeder Dept.  
Union Stock Yards, CHICAGO, ILL.

## Saves 99.99% Butter Fat

This proven separator record amazes American Farmers. It is possible ONLY with

**CANADA'S RECORD MAKER**

**Renfrew**

**CREAM SEPARATOR**

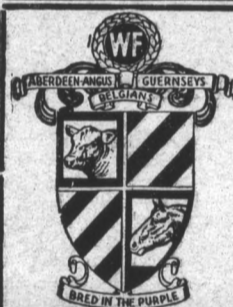
This close-skimming marvel positively dominates the leading dairies. Nothing equals it. The only separator made which doubles or trebles its capacity by simply interchanging bowl and fittings. This saves buying new separator as dairy expands. A sanitary surprise; simply arranged parts, easy to run, easy to clean; life-lasting gears, advanced oiling system. Pays for itself in butter fat saved. Post yourself on this new money-saver. Write today. Renfrew Machinery Co., Sales Agents, Dept. B Milwaukee, Wis.

All About The 22 EXCLUSIVE IMPROVEMENTS Mailed FREE

## BREEDERS' DIRECTORY

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

### CATTLE



**The Best is the Most Economical**

It costs the same per pound to ship average beef animals to market as it does prime beef animals, yet the latter dress 10% more.

**WILDWOOD FARMS**  
ORION, MICHIGAN  
W.E. SCRIPPS, Prop. SIDNEY SMITH, Sup

**FOR SALE** Registered Guernsey cows, heifer and bull calves. Also bull ready for light service. Excellent breeding. T. B. tested. G. A. WIGENT, Watervliet, Mich.

### Wallinwood Guernseys

Sons of **BROOKMEAD'S SECRET KING** for sale. F. W. WALLIN, JENISON, MICH

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

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

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

**FOR SALE** Registered Guernsey bull calf, May Rose breeding. **WALNUT HILL FARM**, Milford, Mich.

### A Grandson of "Fobes 6th"

A dark colored bull of excellent quality and type. Born June 6, 1926, and well grown. His sire, Marathon Bess Burke 32d, is a son of the famous "Fobes 6th," the cow that sold for \$6,900 in the Erickson Dispersal Sale. She is a 38-lb. cow with 1,105 lbs. butter in a year.

His dam is a 27.3-lb. Jr. 4-year-old daughter of a 31-lb. cow with 989 lbs. butter in 365 days.

Send for pedigree of Tag No. 661. "THE MICHIGAN STATE HERDS."

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

hogs much superior to any of the other feeds, and the only time that we drill rape now is when we fail to have the supply of alfalfa seed. When the alfalfa cannot be handily pastured, it may be mowed and fed to the hogs twice a day. As it will start growing again at once, it can be cut in this way several times during the summer season. After having followed the plan of keeping the alfalfa on hand for the hogs for several years, we have concluded that it is the only best plan, as it will last for several years and is equal, or better, than the other feeds for growing purposes.—M. E. G.

### BEANS FOR DAIRY COWS.

**COWS** can be educated to eat boiled beans. At first they may absolutely refuse them, but by coaxing, mixing them with dry meal and bran they finally find out that beans are good. Then they eat them with relish. However, there is the expense of cooking, and besides, cooked beans foul the manger and it is difficult to handle and store them until used.

A better way is to grind them and feed them raw, mixed with other grain. Here, again, the cow must be educated to eat raw beans. They don't like them and at first refuse to eat them. If fed a clear ration of beans it is doubtful if they ever would eat enough to produce a full flow of milk. But beans fed in anywhere near a full grain ration will produce a very hard, tallowy butter that is not at all desirable. It is not advisable to feed them alone on that account. Not over one-third of the grain ration should consist of bean meal.—C.

### FIVE FIGURE MILK AVERAGE.

**THE** fourth year of testing work has been closed in the Livingston Cow Testing Association, according to Charles Metz, cow tester. The average production of the cows in this association is 10,213 pounds of milk and 369.9 pounds of butter-fat. More than half the members have alfalfa seeded on their farms. There are 264 acres seeded to this crop, and sixty-seven acres of sweet clover.

The Village Farm herd of M. J. McPherson has averaged more than 300 pounds of butter-fat for four years. During the last two years the Michigan State Sanitorium has averaged above this production figure and for the present year the members having herds which averaged this amount are as follows: Armstrong Bros., A. L. Woolly, R. W. Darlington, L. D. Coffy, Hays & Worthington, J. R. Crouse, Walter Warden, and E. H. Bilby.

### ALPENA COWS FINISH THREE YEARS' TESTING.

**THE** Alpena-Leer Testing Association has successfully concluded three years of record-keeping. Lester Kent, the cow tester, shows that six of the nine herds which made the 300 pound butter-fat average during the testing year have been under test for these three years.

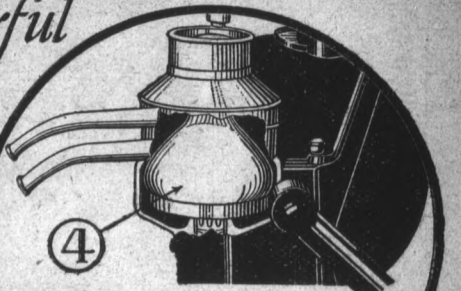
The herd of A. Shuell has averaged above 300 pounds of butter-fat for three years, and the herds of M. Barsen, W. Christopherson, George Hines, T. Hansen, and Ox Bow Farms, have averaged above this amount for two years. The 300-pound producing herds for the past year were owned by Geo. Manning J. Bowden, and G. Weinert.

### SHOULD BARLEY BE FED WHOLE OR GROUND?

**A** SUBSCRIBER asks "whether barley should be fed to horses whole or ground." The hulled barley is very hard, and much of it will pass through the animal undigested. It means a material saving if the grain can be fed crushed, ground, or soaked.—R. S. Hudson.

## The 1927 SERIES DeLaval Separators have the wonderful

## Floating Bowl



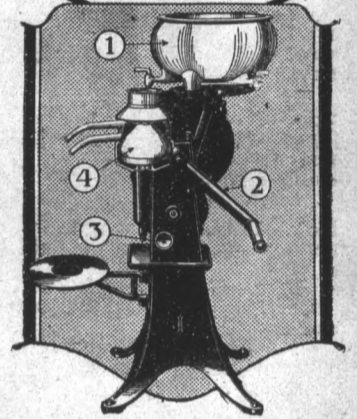
The most wonderful separator bowl ever made. It is self-balancing, runs smoothly without vibration, skims cleaner under all conditions of use, delivers a smoother, richer cream, and requires less power to operate.

Not just a one-feature separator but superior in every respect—in skimming efficiency, ease of operation, convenience and durability. That's why users everywhere who have seen and tried them say they are the "best yet"—and the best made by De Laval in almost 50 years of separator manufacture and leadership. Other new features are:

**1. Turnable Supply Can:** The supply can may be turned so that tinware and bowl may be put in place or removed without lifting the supply can from its position on the separator. Every user likes this feature.

**2. Easier Turning:** For three years the De Laval experimental and engineering departments have been conducting extensive tests to develop still easier turning separators. The results of these tests are embodied in this new series, which both start and turn easier.

**3. Oil Window:** The new oil window enables you to see at all times the level and condition of the oil. It shows at a glance whether or not the separator is being properly oiled.



Ask your De Laval Agent to let you try one of these new De Laval. You will agree you can't afford to use any other. Sold on easy terms. Trade allowances made on old separators.

**The De Laval Separator Co.**  
NEW YORK CHICAGO  
165 Broadway 600 Jackson Blvd.  
SAN FRANCISCO, 61 Beale Street

## See and try the new De Laval

### SERVICEABLE AGE

**REGISTERED HOLSTEIN**  
Bull Calves at prices the owner of a small herd can afford to pay. The sire of many of these calves is a Son of the highest record (30 lb.) two-year-old daughter of Creator. His sire is King Segis Alcartra Prilly, an undefeated Show bull with 70 A. R. daughters. Others sired by 5 times 1200 lb. Champion Bull, the famous K. P. O. P. breeding.  
Bred cows and heifers served by these sires are available for foundation stock.

**RED ROSE FARMS DAIRY**  
Northville, Michigan  
Telephone: 344  
Reference: Northville State Savings Bank

### AT THE TOP

A Colantha cow from our herd was high butter-fat cow in Cow Testing Association work in Michigan in 1925. This herd of cows averaged 11,988 lbs. milk and 588 lbs. butter in 1925.  
Type Colantha Bulls from cows standing high in Official and Cow Testing work insure unusual production. Ask us about them.

**McPHERSON FARM CO.,**  
Howell, Michigan

**FOR SALE**—Grandson of King of the Pontiacs, ready for service. Dams from 22 to 28 lbs. in 7 days. Good yearly record. Tuberculin tested. Priced to sell. J. B. JONES FARMS, Romeo, Mich.

**Flying Fox and Interested Prince JERSEYS**  
for sale. Having purchased Marston's Interested Owl, we are offering two fine bulls of serviceable age at reasonable prices. Also a few calves from two months to one year. L. RUHSTORFER & SON, Kawkawlin, Mich. Phone 6154-F 4.

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

**FOR SALE** Registered Jersey Bull, 14 mo. old, B. of M. Dam, a beauty. **MARK B. CURDY**, Howell, Mich.

### HEREFORD STEERS

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

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

**REGISTERED SHORTHORN COWS**, calves at side, splendid individuals for heavy milking foundation. Chance for beginner at small cost. Some serviceable age bulls. Write Joe Moriarty, Hudson, Mich.

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

**FOR SALE** Registered Brown Swiss sires, three years old. **LAURENCE E. KILPATRICK**, Ovid, Mich.

### HOGS

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

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

**FOR SALE** Reg. O. I. C. boars and sows. Ready for breeding and service. All stock shipped on approval. No deposit required. **FRED W. KENNEDY**, R. No. 1, Chelsea, Mich.

**FOR SALE** Registered O. I. C. Choice boars and gilts. Two months old. **OPHOLT BROS.**, Zeeland, Mich.

**Chester Whites** Big Type with quality. Few furnish group for club work or show. Prices reasonable. **NEWMAN'S STOCK FARM**, Mariette, Mich.

**CHESTER WHITES**—Spring pigs by the Great Paramount Revelation 2nd, 1 fall boar and bred gilts. **JOHN C. WILK**, St. Louis, Mich.

**Chester White March Pigs** of best type, breeding. Express paid. **F. W. Alexander**, Vassar, Mich.

**B. T. P. C.** fall boars all sold. 4 dandy to Fashion Boy by The Answer. They are the best we ever raised. Spring pigs also. Come and see the herd. **G. W. NEEDHAM**, Saline, Mich.

**LARGE TYPE P. C.** Fall boars all sold. Gilts bred for fall farrow, bred to two best boars in the state, viz. L's, Big Wonder by Smoothie Wonder and Big Stratton by Redeemer. **W. E. LIVINGSTON**, Parma, Mich.

**LARGE TYPE POLAND CHINAS** size and breeding good. Weanling pigs to sell. **JAMES G. TAYLOR**, Belding, Mich.

### SHEEP

**Shropshires** 25 Registered yearling ewes, priced to sell. 1 stock ram. **DAN BOOHER**, Evart, Mich., R. 4.

Try a Michigan Farmer Classified Ad. for Results



# THE LATEST MARKET REPORT



## GRAIN QUOTATIONS.

Tuesday, May 31.

### Wheat.

Detroit.—No. 2 red at \$1.49; No. 2 white \$1.50; No. 2 mixed \$1.48.  
Chicago.—May \$1.47½@1.54½; July \$1.48¼@1.51; September \$1.46½.  
Toledo.—Wheat, No. 2 red \$1.48½@1.49½.

### Corn.

Detroit.—No. 2 yellow \$1.04; No. 3 yellow \$1.02; No. 4 yellow \$1.00.  
Chicago.—May 97¼c; July \$1.00½; September \$1.03½.

### Oats.

Detroit.—No. 2 Michigan 58c; No. 3, 55c.  
Chicago.—May 51c; July 50½@55c; September 51½c.

### Rye.

Detroit.—No. 2, \$1.18.  
Chicago.—May \$1.12½; July \$1.14½; September \$1.07½.  
Toledo.—Rye \$1.18.

### Beans.

Detroit.—Immediate and prompt shipment at \$5.30 f. o. b. shipping points.  
New York.—Pea domestic at \$5.50@6.00; red kidneys at \$6.75@7.50 to the wholesalers.

Chicago.—Spot navy beans, Michigan choice hand-picked, in sacks, at \$5.25; dark red kidneys \$5.50.

### Barley.

Detroit.—Malting 97c; feeding 88c.

### Seeds.

Detroit.—Cash imported clover seed \$13.75; October \$16.65; domestic December \$16.65; timothy, old at \$2.50; new \$2.60.

### Hay.

Detroit.—No. 1 timothy at \$17@18; standard \$16.50@17.50; No. 1 light clover mixed \$15.50@16.50; No. 2 timothy \$15@16; No. 1 clover at \$15@16; oat straw \$12@13; rye straw \$13@14.

### Feeds.

Detroit.—Winter wheat bran at \$39; spring wheat bran at \$38; standard middlings at \$39; fancy middlings at \$42; cracked corn at \$42; coarse corn meal \$39; chop \$33 per ton in carlots.

## WHEAT.

Reports of drouth damage in the southwest and delayed seeding in Canada as a result of wet weather forced wheat prices sharply higher in the past week. Speculative buying was a prominent factor in the advance, but cash market conditions also were favorable. While the advance has been rapid, there is nothing as yet to indicate that the bull movement is over. The status of the new crop is hard to determine. Estimates of the extent of damage in Kansas and Oklahoma, and of the progress of seeding in Canada are widely divergent. The loss in the winter wheat prospect may be as much as 25,000,000 bushels, but the combined winter and spring wheat crop will probably reach 825,000,000 bushels if normal weather conditions prevail hereafter. This would compare with 832,000,000 bushels harvested last year. The Canadian situation is more serious. Reliable reports indicate that only about 80 per cent of the seeding was finished by May 20. Besides the change in new crop prospects in the past six weeks, rapid clean-up of world's supplies of wheat continues.

## RYE.

While reports of sales of rye for export have not been numerous recently, substantial shipments have been made from stocks held in this country, so that the visible supply has shown a further sharp decline. Remaining stocks are only about a third as large as they were in late winter. There can be little doubt that supplies of this grain will be closely cleaned up before the new crop starts to market. Prices advanced even more sharply than wheat in the past week, reaching the highest level in two years.

## CORN.

Corn prices advanced into new high ground for the season during the past week. Further rains over the corn belt, with planting operations considerably later than normal, excited additional speculative buying. The season now bears much resemblance to 1924, when an unusually small crop was produced. In addition, stocks of old corn remaining on farms probably are smaller than in that year. Cash markets have not followed the advance fully, as buyers have held back and confined their purchases to a hand-to-mouth basis. Receipts have not increased materially, but a week

or two of good weather probably would initiate the usual after-planting movement. The decreases in the visible supply have not been as large as they were a month ago, but they are large enough to suggest some degree of commercial scarcity before summer is over. Because of small farm reserves, the movement to primary markets is likely to be comparatively small right along.

## OATS.

Oats prices have not experienced such a sharp advance as other grains, although the situation has many points of strength. Primary receipts continue small, as they have been throughout the crop year. The visible supply has decreased each week since January, and is now only 23,000,000 bushels, compared with 39,000,000 bushels a year ago. The new crop acreage probably was reduced as a result of unfavorable weather at planting time, and the progress of the crop has been unsatisfactory in many sections. Stocks of oats remaining on farms are estimated to be about 40 per cent less than last year. In the principal oats surplus states, the decrease in farm holdings compared with last year is over 50 per cent.

## SEEDS.

Only a little scattered business was reported in clover and alfalfa seeds last week. The season is about over and prices are held with little change. Wet weather still makes it impossible for farmers to get planting done in many sections. Demand for forage seeds from the flood section continues and planting has started in Arkansas and Missouri where the water has receded.

## FEEDS.

Strength in feed grains has buoyed the feed market, particularly on corn and heavy wheat feeds. Orders are confined to small lots for immediate shipment, as dealers are only "piecing out" requirements until pastures are more generally available. The late season in the northeast has made additional feeding necessary.

## HAY.

Harvesting of the first crop of alfalfa hay has been extended as far north as Kansas, and will be under way generally by the first week in June. The yield is reported to be fair to excellent, and of good quality. Prices are working down to a new crop basis. Receipts of hay generally are light, so that prices are steady in spite of a limited demand. Rainy weather is interfering with loadings in some sections.

## EGGS.

The egg market has sagged off to the lowest level reached at this time of year since pre-war days. Values in the large wholesale markets are nearly a dime cheaper than at this time last year. Receipts continue to run ahead of a year ago, although the percentage of gain is narrowing. Distribution into consumptive channels is at a somewhat faster rate than last season, but it is not sufficient to take care of more than a small part of the surplus in supplies. The "surplus" in storage stocks is constantly being increased, a factor which apparently is viewed with alarm by dealers who point out that the increasing competition from fresh eggs during the time when stocks accumulated in the spring must be distributed. So long as fresh eggs continue to roll in in larger quantities than can be moved into consumptive channels, values will not show much improvement. Prices at present levels discount the greater part of the heavy supply situation, however, and are not likely to go much, if any, lower.

Chicago.—Eggs, fresh firsts 20@21c; extras 21½@22½c; ordinary firsts 19@19½c; dirties 18c; checks 18c. Live poultry, hens 22½c; springers at 35c; roosters 13½c; ducks 25c; geese 15c; turkeys 30c.

Detroit.—Eggs, fresh candled and graded 20½@21c. Live poultry, broilers 42c; heavy hens 26c; light hens 23c; roosters 15c; geese 16c; ducks 30c pound.

## BUTTER.

The butter market has steadied and prices are about unchanged from a week ago. Production is increasing rapidly, with receipts at the leading markets more than 20 per cent larger than last season. Retail prices have been reduced and consumption has shown marked improvement. Distribution into consumptive channels from the four leading markets since May 1 has exceeded the corresponding period a year ago by 5,000,000 pounds. Dealers are storing some butter so that shortage in stocks as compared with a year ago has been reduced.

Good summer pastures seem assured as a result of the wet spring, which usually means a big milk production. Ice cream, fluid milk consumption and condensed milk will take a large share of the total production, however, and no great increase in the amount directed to butter factories is expected. Prices on 92-score creamery were: Chicago 41¼c; New York 43½c; Detroit, in tubs, 38½@40c pound.

## CHEESE.

Grass cheese is more plentiful and prices have held steady as a result of the improved quality. Trade is rather quiet, with orders chiefly in small lots for immediate needs. The main demand is for held cheese.

## POTATOES.

The potato market has continued its upward trend on both old and new stock despite fairly heavy receipts of the latter. Shipments of old potatoes from Minnesota and Wisconsin and from the west are tapering off. Farm stocks are not large, and many producers are not shipping until they have determined what their seed requirements will be. New high prices for old potatoes before the season finally draws to a close are not unexpected. Northern round whites, U. S. No. 1, are quoted at \$3.20@3.35 per 100 pounds, sacked, in the Chicago carlot market. Alabama Bliss Triumphs, U. S. No. 1, bring \$4.75@4.85 per 100 pounds in the same market.

## WOOL.

A sharp advance in prices paid for Texas wools was a feature of the past ten days. Early in the year, twelve months' clip were contracted for on the sheep's back at 35 to 37½ cents, compared with 37 to 41½ cents paid at the recent San Angelo sale. These prices are on about the same level as last year, whereas prices in other sections heretofore have been about ten per cent lower than last year. While manufacturers are showing strong resistance to any upward tendency in wool prices, the statistical situation has strengthened in the last five months as a result of small imports and the increase in mill consumption. Besides the strength in the southwest, demand for foreign wools in bond for export account has broadened again, reflecting the stronger tone abroad. Dealers have not been able to obtain much wool at the prices offered in the bright wool states. In view of all the conditions, a moderate upturn in wool prices appears probable until the competition from the next southern hemisphere clip starts next fall.

## GRAND RAPIDS.

Potatoes \$2@2.25 bu; apples \$1@3 bu; radishes 10@15c dozen bunches; silver skin onions 15c dozen bunches; spinach 50c bu; asparagus \$1.50 dozen bunches; lettuce 14@15c lb; cucumbers \$1@1.25 dozen; tomatoes \$1.50@2 per 7-lb. basket; wheat \$1.31 bu; rye 86c bu; beans \$4.70 cwt; eggs 20@21c; butter-fat 45c lb; chickens, Leghorn broilers 16@20c; heavy broilers 25c; hens 18@24c; pork 12@12½c; veal 14@15c; beef 6@12c; lamb 25c.

## DETROIT CITY MARKET.

Apples 40c@1.75 bu; asparagus at 75c@2.25 dozen bunches; beets \$1.25 bu; carrots \$1@1.75 bu; new carrots \$1 dozen bunches; celery, new 45c@1.25 dozen; eggs, wholesale 27@28c; retail 30@35c; green onions 50@75c dozen bunches; curly parsley 50@75c dozen bunches; parsnips \$1.25@2 bu; potatoes \$2.25@2.50 bu; poultry, hens, wholesale 25@28c; retail at 28@32c; broilers, White Leghorns at 30@32c; Plymouth Rocks, wholesale 35@40c; retail 35@45c; dressed poultry 32@40c; broilers 45@50c; ducks 50c; radishes, outdoor 60@1 dozen bunches; rhubarb 40@60c dozen bunches; spinach 50c@1 bu; turnips \$2@2.50 bu; pansies \$1.25@1.75 per 15-boxes; tomato plants 75c@1 per 8-dozen flat; cabbage plants \$1@1.25 per 8-dozen flat; turnip greens \$1@1.50 bu; butter 60c; hothouse tomatoes \$4 per 14-lb. basket.

# Live Stock Market Service

Tuesday, May 31.

## DETROIT.

### Cattle.

Receipts 808. Market is steady but slow.  
Good to choice yearlings dry-fed ..... \$10.00@11.00  
Best heavy steers, dry-fed ..... 9.50@10.75  
Handy weight butchers .. 8.00@ 9.50  
Mixed steers and heifers ..... 8.00@ 9.00  
Handy light butchers .... 8.00@ 9.00  
Light butchers ..... 7.00@ 8.00  
Best cows ..... 6.00@ 8.00  
Butcher cows ..... 5.00@ 5.75  
Cutters ..... 4.25@ 5.00  
Canners ..... 3.75@ 4.50  
Choice light bulls ..... 6.50@ 7.25  
Bologna bulls ..... 5.00@ 7.50  
Stock bulls ..... 5.00@ 6.50  
Feeders ..... 6.25@ 8.25  
Stockers ..... 5.50@ 7.75  
Milkers and springers..\$60.00@110.00

### Calves.

Receipts 1,264. Market steady.  
Best ..... \$ 12.50  
Others ..... 5.00@11.50

### Sheep and Lambs.

Receipts 757. Market steady.  
Best lambs ..... \$13.75@14.75  
Fair lambs ..... 12.00@12.50  
Light to common lambs.. 6.00@ 9.75  
Fair to good sheep ..... 6.00@ 7.00  
Culls and common ..... 2.00@ 4.00

### Hogs.

Receipts 3,085. Market slow.  
Mixed ..... \$ 9.65@10.00  
Roughs ..... 8.25  
Pigs, lights and yorkers ..... 9.85  
Stags ..... 6.50@ 6.75  
Heavies ..... 9.00  
Extreme heavies ..... 9.00 down

## CHICAGO.

### Cattle.

Receipts 48,000. Market generally steady with Saturday; mixed packers inactive, topping lower than Friday's level; pigs and light lights in narrow demand, 15@25c lower than Saturday; tops \$9.80; bulk 150-200 lbs. at \$9.40@9.75; 210-240 lbs. \$9.40@9.75; 260-300-lb. butchers \$9.05@9.45; few big weighty butchers at \$8.90@9.05; most packing sows \$7.85@8.15; few big

weights down to \$7.75 and upward; most pigs \$8.90@9.25.

### Cattle.

Receipts 19,000. Fed steers and yearlings strong 25c higher than last week's close; fat cows, grassy killing quality, slow but steady, grassers are steady to 25c lower; others unchanged; best fed steers \$13.60; yearlings \$12; bulk \$9.75@11.25; packers and feeders \$8.75@9.50; weighty medium bulls \$7.25@7.50; light vealers \$9.50@11; choice kind \$11.50@12; such kind slowing down.

### Sheep and Lambs.

Receipts 13,000. Fat lambs opening fairly active; strong with Friday's best; California springers are above \$16.50; most early sales on medium kind \$15.50; several loads good native springers \$16; culls \$12.50@13; fine medium clipped lambs around \$13.35; choice held around \$14.75; sheep are steady; good ewes early \$6, asking around \$7 for choice light weights; feeding lambs unchanged; good California feeding spring lambs up to \$13.35.

## BUFFALO.

### Cattle.

Receipts 9,000. Market steady 10c higher; pigs closing around \$10.25; bulk light lights \$10.75; 180-220 lbs. \$10@10.15; 225-240 lbs. \$9.90@10.10; 250-300 lbs. nominally at \$9.50@9.75; packing sows \$8.25@8.50.

### Cattle.

Receipts 1,000. Market active; 15@25c higher; she stock scarce; top at \$11.50 for good 120-lb. steers; top yearlings \$11.50; bulk yearlings and light steers \$10.75@11.75; few medium steers \$10@10.50; choice yearling heifers \$11; medium to good cows \$7@7.50; medium to good bulls at \$7.50@8.50.

### Calves.

Receipts 1,700. Market 15c higher; tops \$13; culls and common at \$10.50@11.

### Sheep and Lambs.

Receipts 1,600. Fat lambs strong 25c higher; top lambs \$14.25; culls and common \$10.50@11; spring lambs \$15@16; fat ewes \$5.50@7.

## CATTLE RECEIPTS INCREASE.

THE attractive level of cattle prices and the advance in corn, appear to be making cattlemen more anxious to empty their feed lots. As a result, receipts have increased moderately compared with March and April. The advance in prices which started early last winter shows some signs of having run its course for the time being.

While arrivals have increased recently, they continue to run materially behind last year. In the last three weeks, 504,000 head reached the seven principal markets, compared with 549,000 in the same period a year previous. In the first four months of 1927, 2,990,000 head were slaughtered under federal inspection, against 3,065,000 head in 1926. This decline in numbers has been augmented to some extent by lighter weights than last year. In the last three weeks, for example, the steers sold out of first hands for slaughter at Chicago averaged 991 pounds, against 1,061 pounds a year ago.

It is possible that the decrease in the supply of beef has been largely discounted by the present price level, with steers \$1.60 higher than a year ago, and heifers, cows and bulls showing smaller advances. The lower grades, at least, are not likely to make much further progress, and are apt to seek a lower basis. There is not much danger of any excess of finished cattle, so that good and choice grades may remain on a lofty pedestal all summer, with some shrinkage in the premium for heavy steers over yearlings. Prime mature steers still command around \$13.85, with best long yearlings at \$12.25. Veal calves advanced in the past week, and probably have started on their usual summer advance.

## HOGS REACH NEW LOW POINT.

HOG prices broke again in the past week, the Chicago average going to \$9. This is the lowest since December, 1924, when hogs were in the early stages of the upswing of the last cycle. The decline appears extreme when compared with the increase in the supply of hogs, but the indications at various stages of the decline that prices had reached a level where they might stabilize for a while have been misleading. Loss of demand, as well as the gain in supply, has contributed to the weakness.

In the first four months of 1927, 15,075,000 head of hogs were slaughtered under federal inspection, against 14,519,000 in the same period of last year, an increase of four per cent. The increase in supplies in May has been greater than in the preceding months. Lighter average weights have offset some of the gain in numbers. But, the decline in exports of hog meats in the first four months was equal to the product of about 500,000 head of hogs, and lard exports declined by the equivalent of the yield of a million head. Domestic demand failed to expand enough to take up the increased supply, hence the rapid accumulation in storage.

Recently, prices of hog products have not shown as much weakness as hog prices, so that manufacturing margins of packers have widened.

## FIRST IDAHO LAMBS REALIZE \$17.00.

THE initial shipment of Idaho lambs on the Chicago market, realized compared with \$18.65 last year, \$16.15 two years ago, and \$17.15 three years ago. The seasonal readjustment in lamb prices to a new crop basis is under way and values lost ground in the past week. Best Colorados are bringing \$16.75, compared with \$18 or better about two weeks ago. Total receipts of sheep and lambs at seven principal markets in the week ending May 21 were 204,000 head, the largest since early in March, and the biggest run at this season in a dozen years at least. Prices of both sheep and lambs are likely to continue a downward trend until early fall.

## COUNTY CROP REPORTS.

**Midland County.**—On account of wet weather, farming is somewhat backward in this locality. Winter grains, meadows, pastures, also fruit, are normal. Live stock is looking fairly good; the dairy and poultry business is slowly expanding. There is not much marketing being done at present. Veal calves, cream and eggs bring normal prices.—M. S. B.

**Marquette County.**—Cold rains have delayed farm work. Some oats and peas were seeded. Everybody has to buy seed oats. Potatoes are going up in price and are scarce at \$1.60 per bushel. Eggs 26c; butter 40c; young pigs \$12 per pair. The ground is too soft to do much.—R. O.

## Veterinary.

CONDUCTED BY DR. S. BURROWS

**Fails to Breed.**—Three cows fail to come in heat. Have had individuals do this before, but not so many. Is it contagious? E. O.—Failure to come in heat is usually due to corpus luteum (yellow bodies) in the ovaries. It is necessary to have these removed in some cases, before the animal can come in heat. It would be advisable to have the cows examined by your local veterinarian and let him treat what he finds to be the cause of the trouble.

**Itching Skin.**—Mare has had itch for long time. See no lice. Hair comes out in bunches, matted together. H. K.—Now the winter is over, it would be advisable to clip the mare, then wash her with a creolin solution or tobacco water. Give tablespoonful of granular hyposulphite of soda in feed, twice daily; also one tablespoonful of Fowler's solution, twice daily in feed or water.

**Teats Grow Together.**—I have a very valuable heifer calf about two months old. Two of her teats on one side are grown together, as one flat teat. This union continues to within about one-half inch of their ends, where they divide, slightly, into two separate teats. Can these teats be divided at this time, cut apart, and so make two separate teats of them? If so, how shall we go about it—and how to keep them apart while they are healing. D. P. R.—It would be better to get the advice of your local veterinarian, who would be in a better position to advise you, after seeing the udder and teats. It might be better to leave them as they are. They could possibly be milked better, united as they are, than have two separate teats so close together.

**Abscess in Teat.**—I have a cow with a hard bunch on one teat. It broke open several times and pus came out. She gives milk in the teat. How should I treat it? What is the best way to remove warts from cow's teats if the warts are very numerous? What can be given to cows to bring them in heat

sooner after freshening? Is this harmful? Is it true that the butter-fat percentage in the milk of a cow is higher when she is fat than when she is thin? Mrs. S. V.—The bunch on teat should be opened if it contains pus, and swabbed out daily with tincture of iodine. Warts can be cut off with scissors and the wound painted with iodine. They may also be removed by moistening them with acetic acid once daily. Coming in heat is sometimes retarded, or even prevented, by the presence of corpus luteum (yellow bodies), in the ovaries. It would be advisable to have the cow examined by your local veterinarian and let him give such treatment that he finds necessary. A cow that is very fat will usually give a little more butter-fat than when she is thin in flesh.



## WANTED FARMERS

And Others  
To Make \$2,000 to \$4,000  
Or More Yearly

Learn to be a salesman. Earn While Learning. No charge for teaching. Amount made depends upon time put in. If you're 21 to 50, fill out, clip and mail coupon now. When can you start?

H. C. WHITMER COMPANY  
Dept. B-5-F, Columbus, Indiana

Tell me, without obligating me in any way, how to make \$2,000 to \$4,000 or more yearly driving my own team or auto, selling your products.

Name: \_\_\_\_\_

P. O.: \_\_\_\_\_

State: \_\_\_\_\_ County: \_\_\_\_\_

Can Start: \_\_\_\_\_

## 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.

Rate 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.

Words.	One time.	Four times.	Words.	One time.	Four times.
10.....	\$0.30	\$2.40	25.....	\$2.08	\$6.24
11.....	.33	2.64	26.....	2.10	6.48
12.....	.36	2.88	27.....	2.24	6.72
13.....	.39	3.12	28.....	2.32	6.96
14.....	.42	3.36	29.....	2.40	7.20
15.....	.45	3.60	30.....	2.48	7.44
16.....	.48	3.84	31.....	2.56	7.68
17.....	.51	4.08	32.....	2.64	7.92
18.....	.54	4.32	33.....	2.72	8.16
19.....	.57	4.56	34.....	2.80	8.40
20.....	.60	4.80	35.....	2.88	8.64
21.....	.63	5.04	36.....	2.96	8.88
22.....	.66	5.28	37.....	3.04	9.12
23.....	.69	5.52	38.....	3.12	9.36
24.....	.72	5.76	39.....	3.20	9.60
25.....	.75	6.00	40.....	3.28	9.84

## Special Notice

All advertising copy discontinuance orders or change of copy intended for the Classified Department must reach this office ten days in advance of publication date.

## REAL ESTATE

**FOR SALE**—some extra farm bargains. Many with stock, tools and crops, poultry farms. Road houses on M-11. G. B. Sheler, R. No. 2, Benton Harbor, Mich.

**IMPROVED 110-ACRE FARM**—sell or take house in village, or small acreage as first payment, with or without crops. Charles Sherman, Dansville, Mich.

## MISCELLANEOUS

**AUTO PARTS**—Radiators, Heads, Blocks, Transmissions, Drive Shafts, Rear Ends, Wheels, Bearings, good as new, half price or less. Satisfaction guaranteed or money refunded. Rocks Auto Parts, 12215 E. Jefferson Ave., Detroit, Mich.

**NEW 110-V.** alternating washing machine motors, \$5.50 each, cash with order. Also 32-V. motors and appliances. Also other bargains. Write for prices, stating size and kind of current. Queen City Electric Co., 1735 W. Grand Ave., Chicago, Ill.

**BARNUM'S LIFE**—\$1.00. Corbett's Life, \$1.00. Descriptions free. Hawkins Book Sales, 6157 Maxwell, Detroit, Mich.

## EDUCATIONAL

**FREE DOG BOOK**—Polk Miller's famous dog book on diseases of dogs. Instructions on feeding care and breeding with symptom chart, 48 pages. Illustrated. Write for free copy. Polk Miller Products Corp., 1022 W. Broad St., Richmond, Va.

## CORN HARVESTER

**RICH MAN'S** Corn Harvester, poor man's price—only \$25.00 with bundle tying attachment. Free catalog showing pictures of harvester. Process Co., Salina, Kans.

## MOTORCYCLES

**MOTORCYCLE BARGAINS.** Used, rebuilt. Guaranteed. Shipped on approval. Catalog free. Floyd Clymer, 915 Broadway, Denver, Colo.

## WANTED FARMS

**GROUP OF RUSSIAN FAMILIES** seek for summer time a farm for living purposes. Healthy location, bathing opportunities first condition. One with some woods preferred. Write Michigan Farmer, Box 106, Detroit.

**WANTED**—Hear from owner good farm for sale. Cash price, particulars. D. F. Bush, Minneapolis, Minn.

**WANTED**—To hear from owner of farm or unimproved land for sale. O. Hawley, Baldwin, Wis.

## MATTRESSES

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

## PET STOCK

**COLLIES**—From beautiful, intelligent strain of heel drivers. A. K. C. pedigree. C. M. Bedinger, Berrien Springs, Mich.

**REGISTERED WHITE COLLIE PUPPIES** from good working stock. Easily trained. Edgewood White Collie Kennels, Gladwin, Mich.

**CHINCHILLA RABBITS**—from Stahl's pedigree strain. Howard Sutherland, Metamora, Mich.

**SMALL DOGS**, fox terriers, rat terriers and pet dogs. Also fox hounds. Box 4, Herrick, Ill.

## SEEDS AND NURSERY STOCK

**REGISTERED AND CERTIFIED SEED CORN**—Clement's white cap yellow dent, fire-dried on racks, ear tested and germination guaranteed. Also Worthy seed oats. Good Seed is scarce, order yours early. Paul Clement, Britton, Michigan. Member of the Mich. Crop Improvement Association.

**PLANTS FOR SALE**—Copenhagen and Wakefield cabbage plants, \$1.00, 1,000; Collard, \$1.00; Tomato, \$1.00; Bell Pepper, \$1.50; Onion, \$1.25; Porto Rico Potato, \$2.00. Large openfield grown, carefully packed. Quitman Plant Co., Quitman, Ga.

**TWO DOZEN GERANIUM PLANTS** sent postpaid to your address for One Dollar and Twenty-Five Cents. Any color or mixed. Don't be without flowers on the farm. Buckley Geranium Company, Springfield, Illinois.

**CERTIFIED IMPROVED ROBUST BEANS** \$4.75 per bu. Pickett's Yellow Dent Corn, graded from certified seed, \$3.00 per bu. Fritz Mantoy, Fairgrove, Mich.

**FROST-PROOF CABBAGE**—onions, also tomatoes, strong hardy plants. Leading varieties, 100, 40c; 300, 85c; 500, \$1.10; 1,000, \$2.00. Pepper, 100, 50c; 1,000, \$2.75. Everything postpaid and guaranteed. East Texas Plant Co., Ponta, Texas.

**SPECIAL**—20 Million Cabbage and Tomato Plants \$1. Thousand. Transplanted Tomato \$3. Sweet Potato \$2. Prompt shipments, shipped safely any state. Old Dominion Plant Co., Franklin, Va.

**CHOICE ADAPTED SMALL GRAIN AND BEANS**—Improved American Banner wheat, Wolverine oats, Improved Robust beans. A. B. Cook, Owosso, Mich.

**ASTER PLANTS**—5 Dozen \$1.00 postpaid. Walter Flower Gardens, R. No. 5, Lansing, Mich.

**60 LARGE GLADIOLI** \$1. None alike. 12 Dahlias, \$1.25. Catalogue, A. Sherman, Chippewa Falls, Mass.

## TOBACCO

**HOMESPUN TOBACCO**—Guaranteed, good flavor. Chewing, 5 lbs., \$1.00; 10, \$1.75. Smoking, 5 lbs., 75c; 10, \$1.25. Pay when received. Farmers' Union Mayfield, Ky.

**GUARANTEED HOMESPUN TOBACCO**—Chewing, 5 lbs., \$1.00; 10, \$1.75. Smoking, 10, \$1.50. Pipe Free! Pay when received. United Farmers, Bardwell, Kentucky.

## POULTRY

**PULLETS, COCKERELS**—A bargain in eight-weeks Barred and White Rocks, Reds, Leghorns. If you want a flock of laying hens for this fall and winter, we want you to read the description and see the price of these birds. Send for our Pullet and Cockerel Circular. State Farms Association, Kalamazoo, Mich.

**BARRED PLYMOUTH ROCK** hatching eggs and baby chicks from our high record egg producing strain. Circular on request. F. E. Fogle, Okemos, Mich.

**FOR SALE**—White Leghorn Pullets, English strain, March 1st hatched, \$1.00 each. Sure to please, 1,500 to select from. Order at once. Sutton's Hatchery, Hastings, Mich.

**FOR SALE**—4,000 English White Leghorn Pullets for May and June delivery. H. Knoll, Jr., Holland, Mich., R. No. 1.

**POULTRY**—Eggs, Chix, Ducklings, Goslings, Stock. All varieties chickens, bantams, ducks, geese, turkeys, guineas. Arthur Jarvis, Waveland, Indiana.

**IMPERIAL WHITE PEKIN DUCK EGGS**, \$1.50 per 11. Postpaid. Chas. Stutz, Saranac, Mich.

## TURKEYS

**TURKEY EGGS**—Thousands of them. All breeds. Special prices. Eastern Ohio Poultry Farm, Beallsville, Ohio.

## BABY CHICKS

**MICHIGAN ACCREDITED CHICKS**—Buy your chicks from heavy laying flocks that are officially accredited by inspectors supervised by Michigan State College, and of prize winners at the Holland Poultry Show. White and Brown Leghorns, Anconas, Barred Rocks, S. C. R. I. Reds. 100% live delivery postpaid. Send at once for free catalogue. Chicks, 8 cents and up. Full particulars and detailed prices. Hillview Hatchery, C. Boven, Prop., Holland, Mich., R. 12, Box B.

**WHITE LEGHORN CHICKS** sired by pedigreed males, records 200 to 293 eggs. Low prepaid prices. Shipped anywhere C. O. D. and guaranteed. Hatching eggs, cockerels, pullets, hens, egg-bred 27 years. Winners at 17 egg contests. Write for free catalog and special price bulletin. Geo. B. Ferris, 934 Union, Grand Rapids, Michigan.

**BABY CHICKS**—Pure-bred Tanager S. C. White Leghorn chicks, \$9.00; Barred or White Rocks, R. I. Reds, White Wyandottes, \$11.00 per hundred. Mixed heavies and lights, \$8.50. Big reductions on large quantities. 8 and 10-weeks-old pullets. Arrowhead Poultry Farm and Hatchery, Birch Run, or Montrose, Mich.

**BABY CHICKS**—Barred and White Rocks, S. C. and R. C. Reds, \$13.00 per 100. White Leghorns and Black Minorcas, \$11.00. Brown Leghorns, \$10.00. Heavy Mix, \$10.00. Light Mix, \$9.00. We are Michigan Accredited, and also blood-test all stock. Pierce Hatchery, Jerome, Mich.

**MICHIGAN ACCREDITED** blood tested Chicks backed by real bred-to-lay breeding and at live and lot live prices. Quick service. 100% live delivery, and a square deal. Big discount on large orders. Catalog free. Carl Poultry Farms, Dept. A, Montgomery, Mich.

**QUEEN QUALITY ACCREDITED CHICKS**, Hollywood and Tanager, S. C. White Leghorns, \$10.00 per hundred. Barred Rocks, \$13.00; Rose C. Reds and S. C. Reds, \$12. June one cent per chick less. Queen Hatchery, Zeeland, Mich.

**CAPPER SHIPS** C. O. D.—White, Brown, Leghorns, Heavy Mixed, 100, \$8; English White, Buff Leghorns, Anconas, \$8.50; Reds, Barred, White Rocks, Black Minorcas, \$9; Buff Orpingtons, White Wyandottes, \$10; Assorted, \$7.50. Capper Hatcheries, Elgin, Iowa.

**IMPROVE YOUR FLOCKS** with America's Hottest Laying Strains. Leghorns, heavy assorted, \$8.50; Barred Plymouth Rocks, Reds, Anconas, \$9.50. Illinois Hatchery, Metropolis, Illinois.

**PULLETS**—6 to 10 weeks old. Chicks of 15 varieties. Can ship at once. Some blood tested. 175 to 312-egg breeding. Free Circular. Beckman Hatchery, Grand Rapids, Mich.

**CHICKS**—Tanager, Barron, Hollywoods, White, Brown Leghorns, 100, \$8.00; 500, \$37.50; broilers, 100, \$6.00 mixed. Immediate prepaid 100% live delivery. Order from ad. T. B. Van Ry, Holland, Mich.

**WHITTAKER'S REDS**, Michigan Certified, R. O. P. Trapped, Both Combs. June chicks and eggs at reduced prices. Cocks, hens, cockerels, pullets. Write for prices. Interlakes Farm, Box 9, Lawrence, Mich.

**MICHIGAN ACCREDITED CHICKS**—Blood-tested for the past 3 years. Barred Rocks, R. I. Reds, \$12. White Leghorns, \$10. Mixed, \$9. Krueper Poultry Farm & Hatchery, Milan, Mich.

**BETTER CHICKS**—Extremely low prices for balance of season. 80% of our chicks go to old customers. Write. Litchfield Hatchery, Litchfield, Mich.

**CHICK PRICES REDUCED FOR MAY**—White Leg, 8c; lots of 500, 7½c. Barred Rocks, 10c. Hillside Hatchery, Holland, Mich.

**BABY CHIX**—Michigan Accredited Brown Leghorns and blood-tested S. C. Reds. Write for prices. We please. Jasper Wishbone Hatchery, St. Louis, Mich.

**S. C. BUFF LEGHORN CHICKS** from Michigan Accredited stock. Write for prices. J. W. Webster, Bath, Mich.

**WHITE LEGHORN CHICKS** 7c; 8-week pullets 80c. Ed. Kroodsma, Zeeland, Mich.

## SITUATIONS WANTED

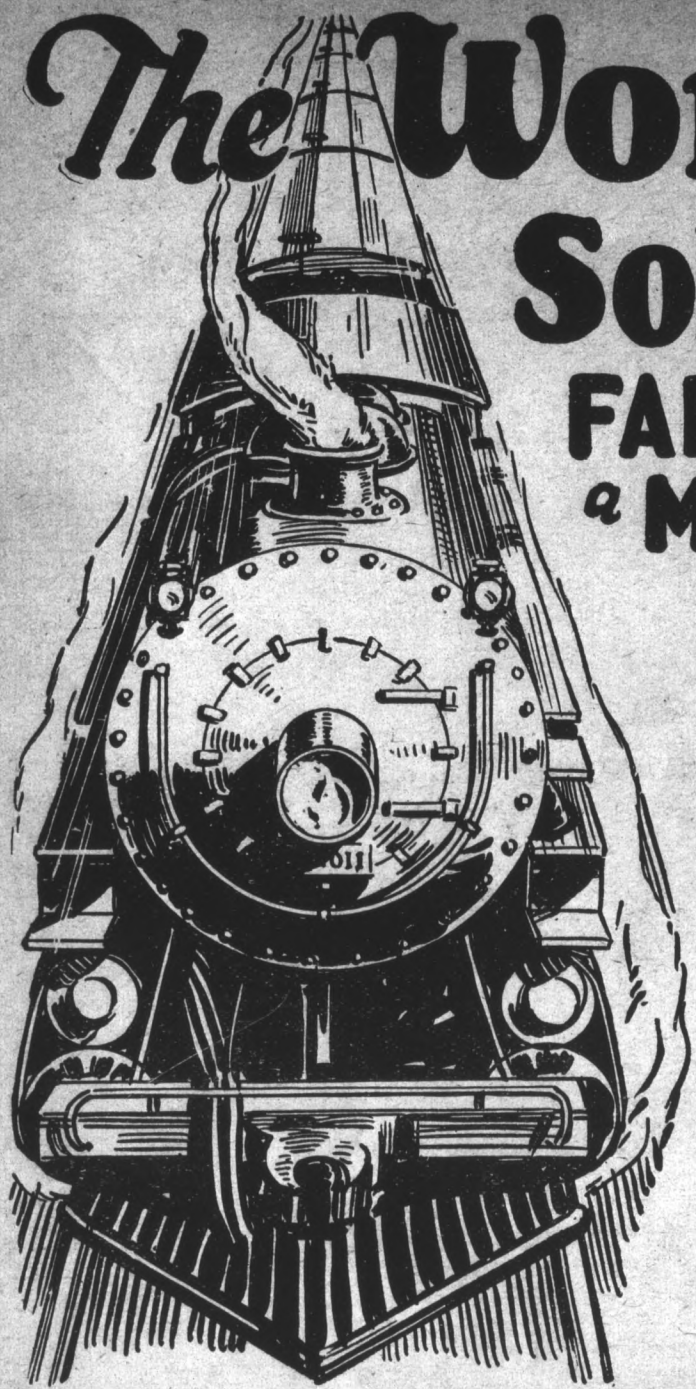
**WANTED**—Position as working manager of dairy or general farming. D. Loren Hershberger, Woodland, Mich., R. 3.

## HELP WANTED

**WANTED**—Working farm foreman, married. Must have practical experience with horses, tractor and farm machinery. Good steady job for right man. Apply with references and size of family. Box 105, Michigan Farmer, Detroit.

**DRIVER SALESMAN**—23 to 35 years age. Permanent employment; good future. Write us interested. Belle Isle Creamery, 5000 Forest E., Detroit, Mich.

# The World's FIRST Solid Trainload of FARM WASHERS — Every one a MAYTAG with Gasoline Multi-Motor



FOR the first time in history, one distributor, serving one section of the country, takes a solid trainload of multi-motor washers in one shipment for distribution to farm homes exclusively—showing the overwhelming preference for Maytag washers.

The size of this shipment is even more astounding when you consider that it consists entirely of Maytag Aluminum Washers equipped with gasoline power, whereas many farms have electricity and buy the Electric Maytag.

The Maytag gasoline Multi-Motor with a record of 10 years' successful performance, is just as simple, compact and dependable as an electric motor. It is in-built, a part of the washer—no belts to line up, and has a simple foot-starter that a woman can operate. There is sufficient power to run both the washer and wringer at the same time.

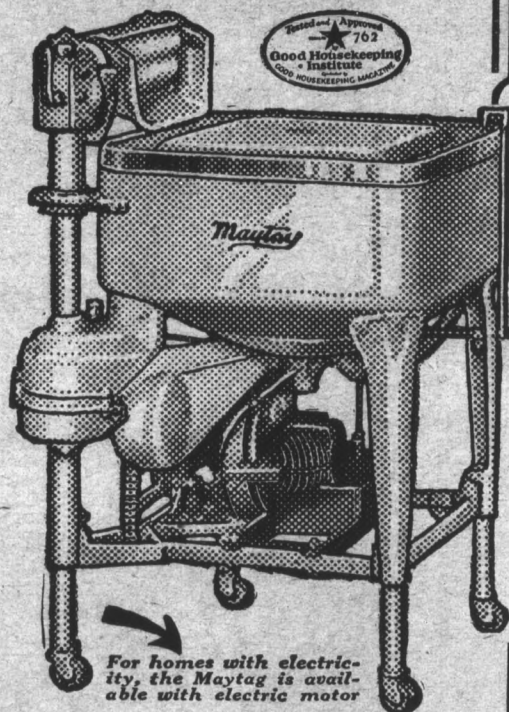
The Maytag is the only washer with a seamless, cast-aluminum tub. It holds four gallons more than ordinary washers—does an average washing in an hour. Washes everything beautifully clean without hand-rubbing—even collars, cuffs, wristbands and grimy overalls.

## Free Trial for a whole week's wash

Write or phone one of the Maytag dealers listed below. Without cost or obligation use a Maytag Aluminum Washer for your next washing. Discover for yourself the many advantages that have won World Leadership for the Maytag. If it doesn't sell itself, don't keep it.

THE MAYTAG COMPANY  
Newton, Iowa

INDIANAPOLIS BRANCH, 923 North Capitol Ave.  
INDIANAPOLIS, IND.



For homes with electric-  
ity, the Maytag is avail-  
able with electric motor

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Deferred Payments You'll Never Miss

Phone one of the authorized Maytag dealers listed below:

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Adrian	Wilcox Hdwe. Co.	
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Albion	Albion Maytag Co.	
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Alpena	Alpena Maytag Co.	
Ann Arbor	Ann Arbor Maytag Store	
Armada	Russell J. Lawrence	
Bad Axe	Slack Bros.	
Bangor	J. G. Miller & Son	
Battle Creek	Battle Creek Maytag Co.	
Bay City	Walton-Morse Shop	
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Belding	Brown-Hall Co.	
Belleville	John E. Rice	
Benton Harbor	Cutler & Downing	
Berville	Parker Hardware Co.	
Big Rapids	J. R. Bennett & Son	
Birmingham	Hawthorne Electric Co.	
Blanchard	N. C. Mason	
Brant	A. J. Locke	
Britton	Alexander Gibson	
Bronson	Forbes Maytag Co.	
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Cassopolis	Hamilton & Anderson	
Cedar Springs	John Buecus	
Centerline	Rinke Hdwe. Co.	
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Coldwater	Forbes Maytag Co.	
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Crystal	Joe E. Price	
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Edmore	Edmore H. & I. Co.	
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Elmira	S. J. Burdo, General Store	
Elsie	M. E. Williams	

Town	Michigan	Dealer
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Farmington	N. J. Eisenlord & Son	
Fennville	Dickinson Bros.	
Fenton	E. A. Lockwood	
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Goodells	Lewis McCue	
Grand Haven	Grand Haven Maytag Co.	
Grand Ledge	Grand Ledge Maytag Co.	
Grand Rapids	Grand Rapids Maytag Co.	
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Hale	Nunn's Hdwe.	
Hamilton	Harry J. Lampen	
Harbor Beach	William Glass	
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Hartford	J. W. Walker Hdwe.	
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Lansing	Fleming Maytag Co.	
Lansing	Lansing Maytag Co.	

Town	Michigan	Dealer
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Marine City	A. J. Rochon	
Marion	Marion Hdwe. Co.	
Marlette	A. R. Schlichter	
Marshall	The Albion Maytag Company	
Maybee	C. & G. Hochradel	
Memphis	Haight's Hdwe.	
Merrill	Alex. McDonald	
Middleton	Middleton Hardware Co.	
Midland	H. C. Eastman	
Midland	Maytag Multi-Motor Sales Co.	
Milan	Geddis & Norcross	
Milford	Reid Hdwe. Co.	
Millington	Fred B. Wills & Co.	
Minden City	Frank E. Mahon	
Mio	Orvin Kurtz	
Monroe	Monroe Maytag Co.	
Mt. Clemens	Mt. Clemens Maytag Co.	
Mt. Pleasant	Mt. Pleasant Maytag Co.	
Muir	Branyan Hdwe. Co.	
Muskegon	N. G. Vanderlinde	
New Baltimore	Fountain Electric Co.	
Niles	Hamilton & Anderson	
North Branch	Dan'l Orr & Sons	
Northville	J. N. VanDyne	
Onsted	Glancy Bros.	
Otsego	The Jones Hdwe. Co.	
Ovid	Marshall & Olson	
Owosso	Fleming Maytag Co.	
Oxford	Johnson Hdwe. Co.	
Parma	Geo. W. Hunn	
Paw Paw	H. C. Waters & Co.	

Town	Michigan	Dealer
Perrinton	E. H. Lucas	
Petersburg	A. C. Graddolph & Son	
Petoskey	A. Fochtman Dept. Store	
Pewamo	Pewamo Hdwe. Co.	
Pigeon	E. Paul & Son	
Plymouth	Conner Hardware Co.	
Pontiac	Pontiac Maytag Co.	
Port Hope	Engle & Smith	
Port Huron	Port Huron Maytag Co.	
Port Huron	W. P. Smith Hdwe. Co.	
Prairieville	F. J. Hughes	
Reed City	C. R. Ringler	
Riverdale	R. E. Moblo	
Rochester	The Geo. Burr Hardware	
Romeo	W. Geo. Smith	
Rothbury	H. F. Newman	
Royal Oak	Peters Washer Co.	
Saginaw	Walton-Morse Shop	
Saginaw	Smith Hdwe. Co.	
Saginaw	M. W. Tanner Co.	
St. Charles	Thorsby Furniture Co.	
St. Clair	E. S. Hart	
St. Johns	St. Johns Electric Shop	
Sandusky	Otis Hdwe. Co.	
Saranac	Wilkinson Hdwe. Co.	
Saugatuck	Konling Hardware	
Sebewaing	J. C. Liken & Co.	
Shelby	A. J. Rankin	
Sheridan	A. L. Stebbins	
S. Haven	Mersons Furn. & Music Store	
S. Rockwood	John Strong Co.	
Sparta	J. C. Ballard & Co.	
Standish	Gwisdala Implement Co.	
Stanton	Glen Gardner	
Strasburg	J. F. Meyer	
Sturgis	Forbes Maytag Co.	
Tawas City	Fred Luedtke	
Tecumseh	Baldwin Hardware Co.	
Temperance	R. W. Brunt	
Three Rivers	Forbes Maytag Co.	
Tipton	Conlin & Shroyer	
Traverse City	Fochtman Maytag Co.	
Trenton	Trenton Hardware Co.	
Trufant	A. G. Miller	
Unionville	J. H. Kemp & Co.	
Utica	E. W. Hahn	
Waldenburg	William Stiers	
Walled Lake	Frank S. Nook	
Waltz	Krsyske Bros.	
Warren	Fred Lutz	
Watervliet	H. Pierce & Son	
Wayland	M. L. Looyengood	
Wayne	John J. Orr	
West Branch	E. H. McGowan	
Wheeler	C. W. Lanshaw	
Whitehall	W. C. Snyder	
Wyandotte	Gartner Hdwe. Co.	
Wyandotte	Russell Supply Co.	
Ypsilanti	Shaefer Hdwe. Co.	

# Maytag

## Aluminum Washer

IF IT DOESN'T SELL ITSELF, DON'T KEEP IT.