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DETROIT, OCTOBER 28, 1922

CURRENT COMMENT

THE MICHIGAN FARMER SAYS:

This is Good Health week. Here are wishes for a heap of health to you.

They say we start dying the day we are born, but why hurry the process by unhealthful living?

A western doctor says: "No wonder there is so much fresh air in the country, the country people use so little of it."

To the present generation the night air bugaboo is a laughable superstition.

Federal Farm Legislation

DURING his talk at Washington Court House, Ohio, H. C. Wallace, Secretary of Agriculture, said, "Take it all in all, I think it is fair to say that during the past eighteen months the needs of agriculture, both temporary and permanent, have had more sympathetic and intelligent consideration at the hands of congress than during any other similar period in our entire history."

The truth of this statement is evident when one reviews the acts favorable to agriculture that congress has passed. The emergency tariff bill prevented a further breaking of an already depressed market for agricultural products by keeping big stocks of foreign farm products out of this country. The Stock Yards Act and the Grain Futures bill will also help, as they will check frenzied financing in the sale of live stock and grains. But the War Finance Corporation Act, the increasing of the capital of the federal farm land banks and the modifying of interest rates on bonds of joint stock land banks have probably been the most beneficial of any acts passed for some time, because they have helped to make it easier for the farmer to borrow money.

The financial phases of farming have been great hindrances to it. The farmer has had only limited means of borrowing and, therefore, only too often, has been forced to sell his products at low prices to middlemen who have a more elastic means of financing. These middlemen often made "big money" for no other reason than that they had better borrowing facilities. When the farmer can borrow like "big business" can, he may also be in a better position to make "big money."

Farming is going through the greatest depression in its history, but through the stress and suffering during this depression there is undoubtedly

being born a Better Day for agriculture. The very seriousness of the depression is what made possible the accomplishments of the past eighteen months, for it showed clearly the obstacles farming was contending with and the need of doing something to get rid of them. Furthermore, it brought to the realization of the commercial world the fundamental need of profitable farming for a nation-wide prosperity.

The man who quits farming now is just exhibiting the common human failing of giving up in despair when relief is in sight.

Preparedness In Marketing

AT the various live stock sales held recently, it was evident to any layman that it pays to have animals in condition for the sale ring. From our own observation at these sales, we feel convinced that the owners who had seen to it that their animals were in proper flesh and made ready according to modern ideas, were well paid for the trouble.

Some excellent animals with everything in their favor so far as breeding and individuality were concerned, were led before the auctioneer without having first been submitted to the bovine beauty artists. Buyers ought to overlook the final touches, but seemingly they do not, and as a result it was much more difficult on the part of the auctioneers to interest prospective buyers in these animals.

And when we think of the situation, we find this fundamental principle underlying all kinds of merchandising. The man who makes a business of selling things gives much more attention to the details of how the goods are offered than does the fellow who performs comparatively little of this work. Experience has taught the merchant the value of such precautions. No matter what class of individuals he

is dealing with, everything possible is done to make the goods sell themselves through a direct appeal to the prospect.

The farmer and the live stock men should avail themselves of this same advantage. In selling potatoes, or cucumbers, or fruits, or grains, or animals this last step of proper preparation of the product should not be left undone.

Cull Eggs as well as Hens

the state. But when the state-wide program for culling is put into effect, the Michigan biddies will be shelling eggs out on about the same efficient basis as the manufacture of some well-known Michigan automobile products.

This program will put Michigan in the front rank as a poultry producing state but it will not prevent the sale or trading in for groceries, eggs of questionable character. These practices are nation-wide but whenever they occur they act as a detriment to the reputation of the products of the community from which they come.

Wisconsin is starting a state-wide egg culling and grading campaign in order to increase the reputation of its hen fruit in outside markets. The program is being undertaken by the state department of markets and will include grading, branding and improved methods of packing eggs. A state-wide egg and poultry dealers' association will be organized to assist in making these plans workable.

Such a program would make a logical sales campaign to supplement the improved production plans in this state which are now under way. "Michigan Standard A Grade" in hen fruit as well as in tree fruit will be just another step to add to the reputation and profit of an already famous state.

The State Income Tax

President Friday of M. A. C. Tells What Such a Tax Would Do

NO property tax would be needed to raise funds for state purposes if a four per cent tax were levied upon incomes in Michigan, declares President David Friday, of the Michigan Agricultural College, in a recent open letter. Not only this but the surplus would be sufficient to wipe out the state debt in the course of the next ten years.

In view of the fact that electors in Michigan will be called upon to decide whether or not they wish the state constitution changed so that the legislature will have authority to provide for an income tax for state purposes, our readers will be interested in what President Friday has to say. His letter runs in part:

"If the income tax law were drawn in such a manner as to require the reporting of all incomes, large or small, the grand total reported under the law would not be far from \$2,000,000,000 in an average year. From this amount would be deducted the personal exemptions allowed. If such exemptions averaged \$1,000 for persons reporting, they would amount to about \$1,400,000,000. The income subject to the four per cent tax rate in an average year would therefore be around \$600,000,000, and the tax thereon would amount to \$24,000,000.

"Since income varies from year to year with changing business conditions, the amount reported and the tax paid would likewise vary from year to year. It is not likely, however, that the net income subject to tax in any one year would drop materially below \$500,000,000. The tax paid would therefore be \$20,000,000, even in a

poor year. In good years the income subject to tax would amount to \$750,000,000; and the tax to \$30,000,000. In periods of boom and of unusually high prices, the net income would be even higher than this. In 1919 and 1920 the amount of net income subject to tax on this basis would have been more than one billion dollars, and the tax more than \$40,000,000. The situation with respect to prices, profits and incomes for those two years was so exceptional, however, that it is not likely to be repeated.

"Such a tax as this would enable the state to relieve general property from all direct taxes for the support of the state government. In the last three years the state taxes levied upon general property have been as follows: 1919, \$17,432,512; 1920, \$17,379,244; and 1921, \$20,452,380. For 1922 the tax levy will be \$17,300,844. It seems clear then, that the four per cent income tax would cover the state tax, even in a poor year. It would be possible, therefore, both to relieve property of a levy for the support of the state and accumulate a surplus which might be applied to the extinction of the present indebtedness of the state. At the end of the calendar year 1922 the state of Michigan will have outstanding bonds to the amount of \$63,500,000. A four per cent income tax would yield a sufficient surplus over the amount needed to run the state to wipe out this indebtedness within the next ten years.

"The fact that the revenues needed to conduct the state government would no longer be raised by a tax upon property would make it possible for the state to dispense with the equalization

of the state taxes among the different counties. It would still be necessary to fix a sum total which would be called the "equalized value" of the state rather than the "assessed value." This would be used, however, merely to compute the mill taxes of the university and of the agricultural college. It would no longer have anything to do with the distribution of the tax burden between counties; and it would probably be arrived at by merely accepting the total assessment of all property in the state as the equalized value.

"It would also make it possible to abolish the corporation tax which was levied by the legislature in 1921. This tax is yielding, under the present rates, and with the present limitation of \$10,000 as the maximum amount to be paid by any corporation, about \$5,500,000. The upper limit should be removed in any event; and the rate should be a flat one for corporations of all sizes. If this were done, the amount paid by the corporations of the state would be materially increased. But if an income tax such as here assumed were passed, it would be possible to relieve the corporations of both their corporation taxes and the taxes levied upon their property for the support of the state."

Oughto, Sophie and Me

THE Oughto is the chief consideration of our family 'cause it helps us in our work, our pleasures and even in our family troubles. It helps in the latter, 'cause it makes more things to quarrel about.

For inst., every time we go family ridin' the kids is quarrelin' about which one should sit in front, and this quarrel ain't finished 'till we get home, 'cause one thinks the other rode more miles in front than he did in the rear.

Now, Sophie don't never sit in front when we got company or kids with us, 'cause I think she believes that the

place for generals to direct the maneuvers is in back of the scene of acshun. When we got company, Sophie is what you call very profishunt in givin' drivin' orders, maybe 'cause she

thinks there is more lives in what you call jepardy. She is one of them wimmen what think the responsibilities of Oughto ridin' is greater than the pleasures of it.

There's lots of things what Sophie takes the opposite side from me, but one in peticular is distressin', and that is about them school girls. I think I ought to and she thinks I ought to not. But the other morning I did. This is the way about it: You see, when I went out to hitch the horses I found the harness busted and I had to go down and get some rivets to fix it. Gee, but them girls was glad to see me; they called me Uncle Hy and ever-rything. We got to school on the wrong side of the buildin', so we had to go about two miles in the country to get on the right side.

It sure was enjoyable, but I forgot all about those old rivets. Sophie asked me about them and I said I had them in the barn, where they was before I left for town. Then I went out and hitched up them horses without fixin' the harness. Somehow I felt like workin' real hard that morning.

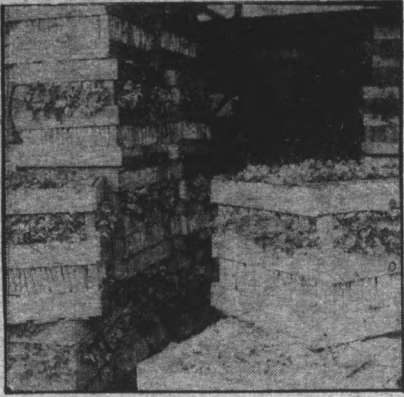
Sophie says my book on "How to Keep the Oughto Goin'," is all right, but what I need more is one on "Oughto Eddy-Kate" which tells how you ought to act when you Oughto. She says this last one is the most important 'cause there ain't no garages what fix up your Oughto acshuns after you have spoilt them. HY SYCKLE.



Hew to Humus for Better Soils

That the Crops Will Then Produce Profits Is Proven by Celery Growers

By Harry Friedl



Big Money in Small Packages

WHENEVER, wherever or by whom that most important subject—"Gross returns per acre"—is brought up, some one is bound to rise up and call attention to Lancaster county, Pennsylvania, with its average crop production of slightly less than \$70 an acre, while the averages for four of the best counties in Illinois and Iowa were less than half that amount.

But for downright magic in getting money out of the soil, successful truck farmers make the returns from grain and live stock farms seem small indeed. Around Kalamazoo, Michigan, I visited a number of truck farms and learned among many things that these farms in a good season yield as high as \$2,000 an acre, and it is all cash which comes in as regularly as the dairy farmer's milk checks.

The same race of people, or the descendants of the race that has made Lancaster county famous, discovered the Kalamazoo gold mine. Hollanders have a way with them when it comes to getting the most out of a given number of acres. If you will take it from one of them, "The upland farmer can do the same, whether his soil is sand, gravel or clay."

Five or six miles south of Kalamazoo the road that leads out of the city over the West street hill bisects some low-lying lands. It is what is commonly termed "muck land," or rather was. Only a few years ago this land was swamp—tamarack swamp.

The original owners of this swamp land parted with it for a price that was ridiculous in the light of what has happened. To the Hollanders, in many cases the fathers of the present owners, it appeared just what it has turned out to be; their educated eyes saw the possibilities.

Father, mother and the children turned in and cleared the land; drainage ditches carried the surface water into the spring-fed stream and where rank grass, cat tails and elderberry bushes grew among the tamaracks, there suddenly appeared long, straight rows of celery and cabbages, and, in the early spring, lettuce, radishes and onions. Centuries of rotting vegetation had supplied that soil with the humus that warms the earth, makes it porous so that roots and rootlets do not have to fight to get to their feeding grounds and had provided a soil that supplies a mulch that is both father and mother to tender young plants.

The secret of the success of these farmers is, in the words of one of them, "fertilization and cultivation."

"Get the humus into the soil—the truck crops will take care of themselves. You can buy nitrogen, phosphoric acid and potash and get it in quickly, but it takes time to get in the humus. That's what most farmers won't take—the time. Neither will they let their investments lie idle for the soil's sake. They take away the fertility and don't put it back. If they did, there would be no real lean years

in farming. Half the gamble with the weather would be taken out of the farming business."

Humus is a religion with these truck farmers. Not a scrap of any vegetation not salable leaves their acres. All goes back into the soil. Every second or third year stable manure at the rate of a carload or more to an acre is put on and turned under in the fall. The field that is devoted to the earliest of truck crops—radishes and onion sets—is sowed to barley in September and the green manure turned under as late as possible. This field is the last planted the following spring. Commercial fertilizer at the rate of a ton or a ton and a quarter an acre is applied annually. It is significant that the fertilizer is home-mixed in accord with the formula recommended by the State Agricultural College.

The truck farmer's season is long. February 15 is the date generally accepted in the Kalamazoo district to seed the benches in the small greenhouse that is part of the truck farmer's growing establishment. Thousands of celery, cabbage and tomato plants for

the market, as well as the plants that are to be transplanted in the fields are grown. One grower sold five million plants last spring, receiving \$1.50 per thousand.

March 15 sees the beginning of the field planting. On this date the first crop of radishes goes in and the onion sets are put out. Lettuce plants and the early celery crop follow when danger of a frost is over. The warm, humus-filled soil brings about quick germination of seeds and rapid, strong growth of the plants. The result is that about the time the average backyard gardener is thinking about planting, the truck farmers near Kalamazoo have crops ready for the market at out-of-season prices.

Successive plantings of these crops keep a constant flow of produce going to the market, and a constant stream of cash coming back. Between the rows of early celery a second crop of plants of the late variety is set. The first has been boarded, bleached and marketed by the time the second crop has made sufficient growth to be ready for the boards.



Intensive Truck Farming Makes One Acre Do Work of Ten, or Even More

Odd Jobs with a Tractor

BY doing odd jobs, when general work was slack, John Semon has made a tractor pay on a farm where the neighbors said it would be a bill of expense.

"My farm contains only seventy acres," Semon explained recently, "and if plowing, and general field work was all a tractor could do, I could not afford to have one on the place. I realized this, and before I bought mine, I began to devise odd jobs to keep it busy."

My first odd job was clearing a strip of timberland. After the trees were felled and sawed, I used the tractor in loading the logs, then again in hauling them to the mill. Afterward, I began to pull stumps. With a little skill in handling, I found that the machine would make an even pull, and develop a great deal more power than a team. I cleared the piece in four days, thereby saving a week's time with team and man-power.

In fencing the land, I brought the tractor into action again. Hauling the posts, stretching wire, and drawing the wagon about. The same year, I did road work, dragging stones, grading, ditching and rolling. I not only im-

proved my own highway, but was able to take in some money besides.

When marketing time came around, I rigged up a couple of wagons and hooked on the tractor. With this outfit I hauled my own grain and that of my neighbors. On my return trips I brought back fertilizer in the same manner.

I used the machine again in bringing in my winter's fuel, loading and hauling logs, etc. Then, with a neighbor's saw, I used the machine in cutting.

I have found the tractor O. K. in belt work. Many times other farmers and I work together at this. If he has a feed grinder, cutter, etc., we exchange labor and save money.

In neighborhood work such as this, I often exchange tractor power for teams.

"These are but a few of the many jobs which my machine does," continued Mr. Semon. "I have rigged up a number of home-made devices at practically no expense, and every day I find something new to which the tractor can be put. For many of these jobs it replaces horses, doing the work cheaper in a great deal less time."—F. R. Cozzens.



Kalamazoo Celery is Noted for Quality.

Succession of plantings and crop rotation are the secrets of the truck grower's success. Not a square foot of soil is permitted to remain inactive, unless it is to get humus into it. Between the rows of quick-growing crops are the ones of slower growth.

The moment the crops are in the ground, cultivation begins. Weeds rarely get a chance to even show above the ground. The soil is worked over and over until one can run his hand into the surface above the wrist without effort.

To do this work a special instrument—one that I had not seen before—is used. It is a steel blade an eight-inch thick and two inches wide, sharpened on both sides and shaped like a circle that has been flattened on one side. The sharp edge under the soil cuts the vegetation between the rows and the soil slides through the loop, being loosened and stirred at the same time. These hoes, if they may be called such, are made in various widths, each designed for crops that are planted different distances apart.

Along with cultivation is waged a continuous fight on the insect enemies of the plants. Spraying is one of the daily tasks. Bordeaux mixture, into which is mixed a small proportion of arsenic, and nicotine sulphate, are the two most used and they are applied at the slightest sign of the depredations of the insects.

Packing and marketing the vegetables are scientific jobs by themselves. These truck farmers around Kalamazoo have become experts in these departments, as well as in the growing end. The day's shipments are brought into the packing-shed early in the morning. The vegetables are carefully washed, made into bunches of uniform size, neatly tied and packed into hampers or boxes ready for transportation to the express station. Even the water that is used for washing is the best. A fast-flowing, spring-fed stream helps, as the temperature of the water hardens the vegetables and puts them into condition to get to market in prime shape.

The prices in their main markets—Detroit and Chicago—are carefully watched by these Kalamazoo growers. A glut of Kalamazoo products is never permitted. Neither is one commission man used for any length of time.

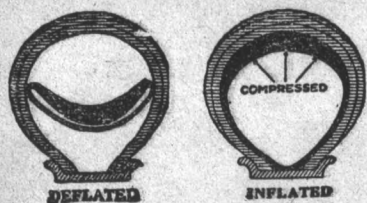
"Our stuff is so good that we keep them on the anxious seat to get it," is the attitude of these truck farmers. In doing so they get top prices. That this statement is true is evidenced by the fact that one celery grower ships to only one market—New York. His product has a reputation among high class New York hotels and is always in demand at a premium over the market.

It should be remembered that the (Continued on page 444).

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Late Agricultural News

NATIONAL GRANGE MEETING.

THE annual meeting of the National Grange for 1922 will be held at Wichita, Kansas, in November, the opening day being November 14. The sessions will be devoted largely to the consideration of important national questions affecting agriculture. There will also be a few matters of policy affecting the National Grange itself that will be brought before the delegates. It is expected that twenty thousand farmers from the various grange states will attend this meeting.

RECORD PRICE FOR BEE.

THE purchase of one-half interest in Achievement Girl, a queen honey bee, for \$150, sets a new record in bee values. J. M. Cutter & Son, of Montgomery, Alabama, paid that price to the Meania Bee Farm, of North Dakota. The queen will be mailed to Alabama where she will pass the winter and will be returned to North Dakota next spring. She was a member of a colony which last summer set one of three world's records for honey production.

COOPERATIVE COMMISSION HOUSE LEADS.

DURING September the producers' cooperative commission house at Indianapolis handled a total of 655 carloads of live stock which was equivalent to 17.7 per cent of the total volume of live stock business at that terminal. This was a greater volume than any other commission house handled during the same time.

FIGHT HARDING'S REAPPOINTMENT.

THE Kansas Farm Bureau Federation is strongly opposed to the reappointment of W. P. G. Harding to the Federal Reserve Board, either as governor or as a member, protests from the Kansas organization having been presented to the President by Senator Curtis. The Kansas farmers in common with many farmers in other states feel that Governor Harding was largely responsible for the deflation in prices of farm products.

MORE PRIZES FOR FRUIT SHOW.

MORE than a thousand dollars in special prizes contributed by merchants and others, have been added to the regular premium list for apples at the Michigan Apple and Potato Show in Grand Rapids early in December. This makes the total value of prizes available for apples about \$3,500.

Special prizes have also been given for potatoes, whereas there will be very attractive premiums given to those who show potatoes that will win among high-class spuds.

The final premium list for this show is about ready. A copy of it can be obtained by writing to L. A. Lilly, Secretary Michigan Apple and Potato Show, Grand Rapids.

CHICKENS BARRED FROM MAIL.

THE post office department has decided that day-old chicks are all right to send by mail, provided their journey can be completed in seventy-two hours. Furthermore, these chicks may be insured against loss, but not against death. While the department admits the baby chicks, the mature hen and rooster cannot be transmitted through the mail, because they require

food and much attention on the way.

The ruling is that harmless live animals rated as inoffensive and not requiring food or water in transit, may be sent by mail. This includes baby terrapins, soft-shelled crabs, blood worms, chameleons and live alligators up to twenty inches in length.

MAPLE SYRUP PRODUCTION DOUBLES IN YEAR.

THE thirteen important producing states produced 3,700,000 gallons of maple syrup this year. This is the largest production in four years and is fifty-three per cent more than that which was produced in 1921, according to the United States Department of Agriculture.

WANT LOAN LIMIT RAISED.

THE American Farm Bureau Federation is receiving thousands of letters from farmers in favor of the removal of the loan limit to members of farm loan associations. Quite a number want the limit raised from \$20,000 to \$25,000.

INTERNATIONAL POTATO SHOW.

THE success attending the exhibition of Michigan potatoes by the Wolverine Association of Cheboygan county, and by Lee Sneathen, of Charlevoix county, at the International Potato Show at Duluth in 1921, has stimulated wide interest in the show this year. Reports indicate that the number and size of exhibits from Michigan will be much larger than in 1921.

The show will be held in the armory at Duluth, Minnesota, on November 3-4-5. Competition is open to the world. Last year exhibits were sent from sixteen different states, and from seven provinces in Canada.

Winnings from these shows furnish splendid advertising and since so many Michigan growers are now producing

certified seed, it becomes a good business proposition to have this state well represented at so important an event. A long list of prizes are being offered for both seed and market potatoes.

WALLACE SPEAKS AT M. A. C.

SECRETARY of Agriculture Henry C. Wallace, who originally was scheduled to speak at M. A. C. on October 20, has postponed his visit until Tuesday, October 31. At 1:30 on that day he will address students of the college and farmers from surrounding counties at a meeting in the gymnasium. Secretary Wallace is planning a flying tour through Michigan. He will come to East Lansing from Battle Creek and will continue on to Bay City after his East Lansing visit. His address at the college will be agricultural rather than political in its nature, it is announced.

HEW TO THE HUMUS.

(Continued from page 443).

high return per acre procured by these truck farmers near Kalamazoo is secured by intensive cultivation, which means constant work, and extensive fertilization. These two factors are the means to success in truck farming, or in any other kind of farming for that matter.

There is just one other thought that I brought away with me from the celery fields of Kalamazoo—that is, that every one of these farmers loves his work. It would appeal to the sentimentalist to watch any of these men, as I did, escort the visitor through the immaculately cultivated and orderly fields. He picks his way gingerly, watching each spot where a foot is to fall; now and again he stops to pluck a spear of grass that has escaped the sharp edge of the cultivating tool. I remarked this fact to the man whose fields I was visiting. This is what he said:

"No man can succeed in any occupation if he does not like it. For me this is not work—it is the greatest pleasure in my life."

And I know that's true.

News of the Week

Wednesday, October 18.

AGAIN the world's speed record for an airplane was broken. Lieut. R. L. Maughan flew at the rate of 248.5 miles per hour.—Great Britain has refused to agree with Secretary Hughes on the extension of the right to search ships for liquor beyond the three mile limit.—Maud Adams, great actress, invents a light whereby motion pictures can be shown in a lighted theater.

Thursday, October 19.

THE state fuel control bill becomes a law and W. W. Potter is made the state fuel administrator.—President Harding says that the purchase of the home farm near Marion, Ohio, does not signify that he is going to retire at the end of his present term.—Secretary of Commerce Hoover advises the public not to buy coal in large lots, in order that all may get enough for immediate needs.

Friday, October 20.

THE report of the national banks show that the savings deposits during the past year have increased \$88,000,000.—The association against the prohibition amendment is going to back wet-inclined congressional candidates in order to increase the number of wet congressmen in Washington.

Saturday, October 21.

A FAMOUS Black River stock farm of 2,700 acres in Cheboygan county was sold by Leonard Freeman, of Flint, to, A. E. Montgomery, of Illinois.

It is believed that this is the largest agricultural land transaction ever consummated in Michigan.—Twenty radicals arrested in the raid on the communist party convention in the sand hills of Berrien county last August, will be put on trial November 27.

Sunday, October 22.

THE Russian Red government demands consideration of Great Britain and Italy in all near east conferences on the same basis as other nations.—W. L. Jones, the husband of forty living wives, was recently arrested in Dayton, Ohio.—Premier Lloyd George and his cabinet have resigned. Andrew Bonar Law is the new British cabinet leader.

Monday, October 23.

FORTY German marks can now be bought for one cent which makes a new low value record.—Mme. Cecile Sorel, the French actress, arrives in this country with a hundred thousand dollar diamond studded hat.—It is reported that there is mutiny in the Turkish army because the men are war weary.

Tuesday, October 24.

THE Russian Soviet government offers free land to United States farmers who will emigrate from America.—Over 1,800 passengers have been carried on the Detroit-Cleveland air route during the past three months.—Lyman Abbott, the famous clergyman and editor of The Outlook, dies.

Sweet Clover for Lighter Soils

By L. E. Berry

SWEET clover is fast proving itself to be one of the most important and most valuable crops that has ever been introduced into this section.

Its place in our cropping system is no longer questioned by progressive farmers—its wonderful qualities have been demonstrated again and again on hundreds of farms. It is the opinion of the writer that several acres of this valuable legume should be growing on every farm, and doubtless many farmers who are farming sandy soil will find it advisable, as has the writer, to adopt sweet clover as the principal legume crop in the regular rotation.

For hay, pasture or fertilizer, sweet clover has many advantages not possessed by any other legume. It is fully the equal of alfalfa in feed value, and

that can be successfully grown in this section. Many a sandy land farmer with very limited means, who once believed it impossible to build up and maintain the fertility of his soil, and at the same time produce a living for his family, is solving the problem with the aid of this hardy legume. The fact that it will often produce a good crop of hay or pasture the same season it is sown, and a fine crop of hay and an excellent green manure crop the following season, together with its extreme hardiness and wide range of adaptability, combine to make sweet clover the ideal green manure crop.

On our farms we hope and expect soon to be able to plow under second-crop sweet clover each year, for every acre of cultivated crops to be planted.



Eight Feet of Sweet Clover on a Sandy Soil.

is far superior to timothy, alsike, or red clover. If a fair supply of lime is present, sweet clover will produce good crops on soil that is too light to produce alfalfa profitably. It also seems to grow quite well on muck or other soils that are much too wet for alfalfa. The writer has seen a vigorous bunch of sweet clover growing in the bottoms of a ditch, where its roots were covered with mud and water during most of the growing season.

Sweet clover is not recommended in preference to alfalfa for heavy, fertile, well-drained soils that are well supplied with lime, and free from quack grass, or June grass, unless the cost of seeding must be considered. It will grow to perfection on such soils, but alfalfa usually produces heavier crops of hay per acre.

For summer pasture, sweet clover is probably without an equal. Its ability to withstand frost, drought, and grasshoppers, and produce an abundance of high-class feed throughout the growing season places it in a class by itself. Many farmers are learning that this hardy legume will solve the problem of summer feed for their stock, and at small expense. Last year a number of Michigan farmers reported that their sweet clover pastures carried one cow per acre throughout the season.

On our hilly lands where clay, gravel, or stony soils predominate, it is usually very easy to secure excellent stands of sweet clover, and it grows luxuriantly. Very likely many of us will find it highly profitable to seed our hilly lands to this crop, and use them for permanent pasture. In that way our despised hills may prove to be among our most profitable acres.

Probably it will be through its supreme qualities as a soil builder that this sturdy legume will prove to be of the greatest and most permanent value to Michigan farmers. Continuous profitable production of field crops depends upon the adoption of a systematic program of soil feeding.

Unquestionably, white sweet clover is the very best green manure crop

We find that many farmers in this section are planning their crop rotations with the same object in view. The writer has encountered a number of farmers this season who have from ten to fifty acres of this legume growing on their farms.

Methods of Seeding.

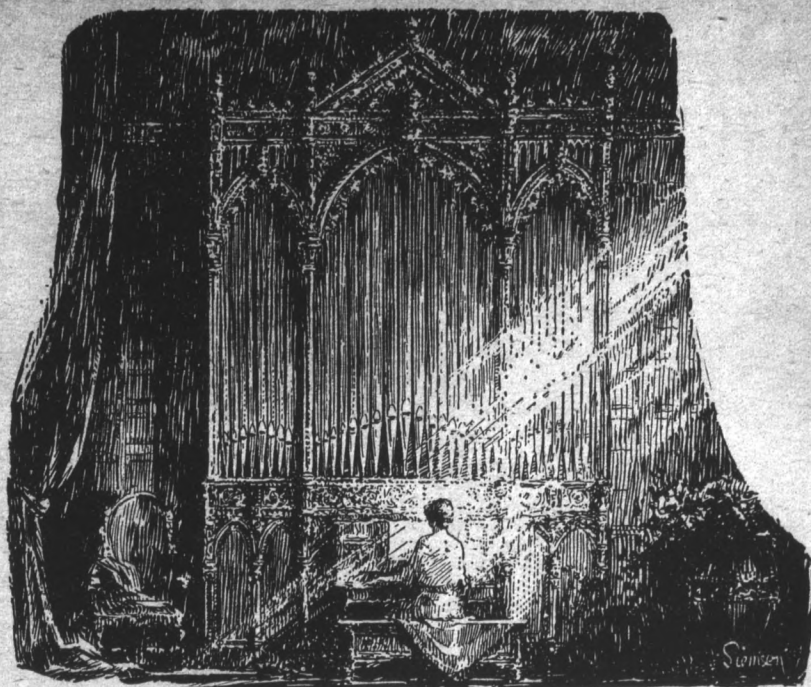
If weather and soil conditions are normal, sweet clover may be seeded successfully at any time from April 1 to July 15. Barley, oats, peas and buckwheat are good nurse crops. The seed-bed should be carefully prepared and, if possible, firmly packed, both before and after seeding. On sandy soil, chances of success will usually be best if not more than one bushel of oats or barley, or one peck of buckwheat per acre is sown.

Seeded alone early in the spring, on a carefully prepared, fertile soil, sweet clover will usually produce a fine crop of hay the first season.

It is usually possible to secure a stand of sweet clover on a sharply acid soil by seeding alone, provided the seed-bed has been carefully prepared and is wholly free from weeds or grass. In our experience, however, such soils have usually failed to produce profitable crops. We are now experimenting in an effort to determine whether or not it is possible to inoculate and enrich such soils so they will produce profitable crops of this legume without the use of lime.

Sweet clover should not be sown in the fall, either alone or with wheat or rye. Seed sown at that time will produce a crop of tiny seedlings that will be killed by the first hard frost.

On our sandy soil it seems to be practically impossible to secure a successful stand of sweet clover by seeding in the spring, on fall wheat or rye. The writer has seen that method tried many, many times, but has never seen it succeed. Evidently the wheat and rye absorb the available moisture so rapidly that the tiny clover plants cannot make a healthy start. On fertile gravel, clay, or muck soils the results might be more satisfactory.



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IT has neither the property of "sounding brass" nor of a "tinkling cymbal." Lead is the silent, voiceless metal.

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HOMESTEAD EXEMPTION.

A has a 100-acre farm clear of debt. A gives his wife a joint deed of same. He is engaged in another line of business, and before he gave the deed he borrowed money from the bank. Now his business has failed. Can the bank hold the farm for his debts? If so, how much can they hold?—M. A. R.

None of the property is exempt except it be a homestead, and then only forty acres to the value of \$1,500. If it will sell for more than that the creditor is entitled to have it sold and apply on the debt the excess.—Rood.

STRAYS AND ABANDONMENT.

A year ago a man moved away from a farm, leaving a hound running loose around the country. It came to my place finally and stayed. Now he claims it. I wish to keep the dog. What can I do to keep it? Can I charge for its board?—E. E. S.

Title to personal property can be lost by abandonment, and to make this out all that is necessary is persuasive and convincing evidence of renunciation of possession with intention never again to repossess, and without intent to confer benefit on any particular person or accomplish any special advantage to the person abandoning. If there be not sufficient evidence to prove abandonment, the person taking the dog is required by C. L. 7450 to have it appraised by a justice of the peace within three months from the finding, file the appraisal with the town clerk, after which the owner may claim it at any time within a year by paying charges, and if not claimed it is to be sold.—Rood.

LEGAL INTEREST.

What is the legal per cent of interest in Michigan? Is there a law against charging higher rates of interest for loan of money? If so, what is the penalty? I paid over fourteen per cent interest on a loan from a bank.—T. S.

The legal rate of interest in Michigan without contract specifying it, is five per cent, but by special contract the rate may be made as high as seven per cent per annum. More than that is usury and if specified renders interest wholly uncollectable. However, this statute does not prevent the owner of a note given by another person selling it for less than the face value, nor prevent payment of the interest in advance.—Rood.

CONSOLIDATED SCHOOLS.

A consolidated agricultural school that was voted for by the bond issue to build a school-house was defeated. The question at issue now is over free text books. When the seventh district voted to consolidate last fall, three of the districts were using free text books which they have used ever since. Now, are those books district property, and what should the school board do with them? The school board is slack. What will we do to make them act? I am one on the school board against four. We do not expect to ask any questions that are explained in the General School Law of Michigan.

In case of the consolidation of schools, the property of the districts from which such organization is affected becomes the property of the consolidated district as soon as the organization has been completed. If any of the primary districts from which the consolidated district was formed provided free text books, these books would become the property of the newly organized district. The question of the use that is to be made of such books would rest entirely with the

board of education of the consolidated district. If they could be used to advantage in the school that was using them at the time of organizing they might have them to use until the consolidated district is prepared to operate as a rural agricultural school, at which time the one-room schools would be closed and all of the children transported to the union school, then the books that are suitable could be transferred to the union school and could be used as reference and supplementary text books.

In case a school officer willfully neglects the duties that devolve upon him by virtue of his office, he may be removed or can be compelled to act by means of mandamus proceedings.—B. J. Ford, Department of Public Instruction.

SHARE RENTAL.

What would be a fair division on an eighty-acre farm with about half plow land and the rest pasture? Owner has three cows, two young cattle, one brood sow, one horse, eighty hens. Renter has one horse, truck, harness, wagon, plow, harrow, cultivator. Rough fodder is fed on the place. Renter boards with owner, does chores, cuts wood in winter. Chief money crop is potatoes.—Reader.

To give a definite answer to this question is, of course, impossible, as no two rental propositions are alike. Certain fundamentals, however, apply in all cases and from these the give-and-take method may be applied in arriving at a fair agreement. Where the renter furnishes all stock as well as tools, and boards himself, he ordinarily gets two-thirds according to the usual custom. On the other hand, when the owner furnishes all tools as well as stock, renter gets one-third. On the basis, then, of what each of you is furnishing, a one-half division of the crops, milk and other stock products, including increase in live stock, would seem fair so far as the farm is concerned.

It then remains to make an equitable adjustment as to board. Owner furnishes board at whatever board is worth, and as part payment at least for his board, renter furnishes one-half of the farm products used in the home, and cuts the wood.—H. M. E.

LAND PLASTER NOT BENEFICIAL.

Can you please tell me where I can get land plaster nearest to my home station, Homer? Can you advise me what application of this to use with barnyard manure on barley and alfalfa seeding, also what results might I expect? Can you tell me what results an application of land plaster might bring when applied on new muck land. And what crops it gives the best results when sown with on both high lands and muck?—J. M. P.

A number of years ago land plaster was used on clover and in some instances produced good results, but in many instances it gave no perceptible results whatever. It has since been proven that plaster does not correct acid soil, and it does not furnish plant food, and its use has been, so far as I know, entirely discarded.

The reason it produced results in some instances was due to the fact that it would act chemically in the presence of trillate of potash, setting free the potash and this produced good results in clover and other crops.

Lime is what you should use instead of plaster. This corrects acidity and is beneficial on almost any soil. One ton per acre of ground limestone is a fair application.

NUMBER OF FARMS INCREASE.

THE return of former farm workers from the city to the soil in Saginaw county is shown in the federal census reports, which give the number of new rural homes as 345 in 1922, as compared with the total homes in 1920. In that year the total farms numbered 5,148 and in the present year the farms numbered 5,488, a satisfactory result showing a return to normal labor conditions in this part of the state.

The average farm in this county now is six acres smaller than the average farm two years ago, the total acreage then being 529,649, which is 3,864 acres more than the total acreage of 425,785 reported for 1922. The average farm in 1920 comprised 83.5 acres, as compared with 77.6 acres this year. Modern machinery and the use of fertilizers and certified seeds have increased production per acre to such an extent that the loss of 3,864 acres has little effect upon the total yields.—M.

THE GERMAN BEET INDUSTRY IS CRIPPLED.

STUDENTS of conditions in Germany declare that it will at least require ten years for the German sugar industry to get back to its pre-war condition. Even should it recover this position, the export capacity of the country will probably be cut in two through the losing of a large acreage of important beet lands to Poland.

Further handicaps are being experienced by the German farmers. Their soil has greatly deteriorated since the beginning of the war. Imports of oil cake and phosphate fertilizers have been so small during the past seven years that farmers have been unable to maintain former high producing conditions. For these reasons, it appears that from now on the United States will take a leading place in the world production of beet sugar.

REDUCES VALUE OF HORSE MANURE.

SURPRISING results have been obtained by soil and crop experts at Geneva, New York, in a series of tests recently completed, from the use of wheat straw with horse manure. When fresh straw was added to manure and applied to growing crops, a pronounced detrimental effect was noted as compared with crops where fresh manure was used alone. It was further observed that when straw was added to the manure, together with some preservative, a marked loss of the organic matter of the manure resulted. The loss of organic matter amounted to fifty-three per cent during an interval of four months where peat was added to manure-straw mixture and only thirty-two per cent where the peat was added to manure alone.

The best results appear to follow the use of acid phosphate with manure in the stables. A couple of handfuls of the acid phosphate is scattered in each stall each day and the animals are allowed to trample it into the manure. The manure can then be stored in a covered shed, or pit, until it can be spread in the field.

CABBAGES YIELD TEN TONS TO ACRE.

THE cabbage crop in Saginaw county is shown by Verne H. Church, federal statistician for Michigan, to be one hundred per cent of normal. With continued favorable weather the average yield will be at least ten tons per acre for the 1,400 acres planted in this county. The crop is nearly all harvested (October 10), nearly one thousand cars having been moved. Shipments are largely to southern state markets, twenty-two per cent of the total acreage being under contract.—M.

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in the train

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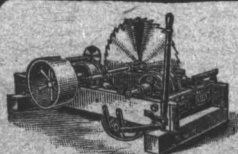
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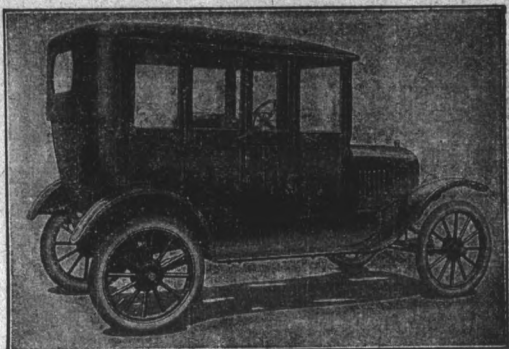
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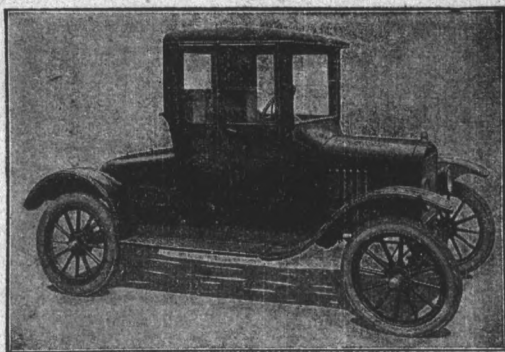
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As a special introductory offer, a 300 Candle Power Sunray Lamp worth \$3.50 will be given absolutely free with the first purchase of a Sunray Lamp. Lights up the yard or barn like a searchlight. Cheap to operate. Find out about this special offer.

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Francisco Farm Notes

By P. P. Pope

Squealers or Fighters

THIS article is about pigs and people. Among the hundreds of families of little pigs that we have cared for upon their arrival into the world we have often found some squealers. They never amount to much. Usually they die sooner or later without having accomplished anything worth while. Often they are responsible for the death of others even, because of the trouble and irritation they constantly set up. We frequently pick them up by the heels and let their heads bump a stone, thus ending for all time their wailings and fault-findings. In this way they are made to



board that achieve success in their efforts to make hogs of themselves.

I have often thought as I have worked with hogs, and especially with the little fellows, how much alike are pigs and people. They are both hard to drive but easy to lead. Among them both we find squealers and fighters. There seems to be a superabundance of squealers among the human population at the present time, (I came near saying it was unfortunate that they could not have been treated like the squealing pig at birth), and like the pigs they seldom accomplish anything worth while. They just run around and squeal for what the fighters are working for and getting. They get in the other fellow's way and hinder his progress, but the real fighter keeps right on sawing wood no matter what the weather or the prospects, and it is he that brings home the bacon. It is the fighters among men, the ones who never give up, who struggle ceaselessly for the places in the world which they are best prepared to fill, and in which they can do the most good, that are responsible for the world's progress. How badly we need more of this kind today.

To come down to a concrete application let us suggest that a little more fight in men is all that is needed to reduce the squeal in pigs. The chief cause of squealers among new-born pigs is largely due to a lack of proper feed and care of the dam during the period of gestation. Pigs that are completely nourished from the day they are conceived till they are born are the ones that fight for the best places before they are an hour old. And they also are the ones that continue the fight through life, and pay. It is not an easy matter to care properly for hogs. It takes considerable of the fighting instinct, the determination to do the thing right, if we would achieve the greatest success with hogs. There are an endless amount of details that are constantly calling for attention. There are fences, houses, yards and equipment to keep in order; the proper balance in the ration is constantly a problem; sanitary measures require no small amount of attention if we would keep the worms and the lice from claiming the profits; and with the breeder of pure-breds, the advertising, the correspondence, the sales and the

shows keep him constantly "up on his toes." If we attend to these and numerous other essentials, we will have little time or inclination for fault-finding and bickering, and we will eventually win. So let us curb the squeal, spruce up and fight, and we'll soon place the obstacles out of sight.

Opinions and Comments

STANDARD MICHIGAN VARIETIES.

IN your issue of October 14, you ran a story by L. B. Raber, entitled, "Michigan Fruit Farm Notes," on page 389. I was very much interested in the first part of this story, but in the last three paragraphs he makes some comments with regard to varieties which are not at all in line with the recommendations we have been trying to put before the growers of the state. For instance, he suggests that fruit growers contemplating new plantings go easy on such varieties as Greening and McIntosh but to plant heavily of Stayman and Ben Davis as well as some of the other standard varieties which we have been recommending.

The list of standard varieties for Michigan, a copy of which I am enclosing, was made up by the executive board of the Michigan State Horticultural Society, the experimental committee of that society and the members of the department of horticulture of this institution. The fruit growers who were concerned with the making up of this list represented every commercial fruit growing section in Michigan and there was absolutely no doubt in the minds of any of them but what Greening and McIntosh were two of the better varieties for Michigan and, further, that McIntosh should be one of the two or three leading varieties for the state.

With regard to Stayman Winesap, if a Michigan fruit grower could see this variety growing in the Shenandoah-Cumberland Valley of Pennsylvania, Maryland, West Virginia and Virginia, he would at once realize that it would be foolish for us to attempt to compete with that section in the production of this variety because the trees do not produce as satisfactory growth in this section and the fruit produced here could not compete upon the markets with the fruit from that section.—Roy E. Marshall, Professor of Horticulture, M. A. C.

We are glad to print this as we are in entire accord with the plans for standardizing Michigan fruits. This standardization is a fundamental step toward putting Michigan in front as a fruit state.—Eds.

SOME CORN.

I SAW in the Michigan Farmer of October 7, that Fred Knipers, of Rothbury, had a stalk of corn thirteen feet seven inches high.

I beg to say that I broke off a stalk of corn about two inches above the ground and the part I broke off was thirteen feet ten and one-half inches. A lot of it is thirteen feet and a little over.—Herbert Herriman, Iosco Co.

The number of eggs a domestic hen will lay in the year are above 200, provided she be well fed and supplied with water and liberty.—Oliver Goldsmith, in "Antimated Nature."

FIND BETTER YIELDS FROM CERTIFIED SEED.

A NUMBER of tests conducted in Missouri show the value of using certified seed. Thirty-eight lots of the early Ohio variety were grown. Of these ten certified strains produced an average of 114 bushels per acre and twenty-eight strains of common seed yielded an average of ninety-three bushels per acre. This means an average gain of twenty-one bushels per acre for certified seed in this variety. The gain for Irish cobbler was from 103 bushels to 128 bushels per acre. The certified seed used was produced in the same communities where the tests were conducted.

GRAIN YIELDS SHORT.

FRANCE'S wheat crop is estimated at 235,380,000 bushels, or 88,090,000 bushels less than for 1921. Germany's yield will be 38,130,000 bushels less than last year's crop. Rye production for both countries also shows a general decline, while barley is produced in practically the same quantity and the combined oat crops of the two countries are about the same as last year, the increase in France being a little more than offset by the decrease in Germany.

THE AIR-COOLED STORAGE PRACTICAL.

MUCH study has led to the general conclusion that the air-cooled storage house is the most practical type for the average farmer. This kind of storage house is so constructed as to utilize the air in cooling. This is accomplished by providing an intake of cold air which often runs for some distance under the ground. The air coming through this intake is cooled before entering the storage house.

The plan of taking in air during the night when it is cool outside and then closing the storage house during the daytime is also a practice successfully followed by many who use these houses for keeping perishable products.

A further practice not so generally employed is to leave the products out during the night to thoroughly cool off and then put them in storage early in the morning. This avoids much heating that often results from piling large quantities of fruit, potatoes, or other products in the storage before there is opportunity for the natural heat to escape.

MUCH HAY TO MARKET.

ACCORDING to figures gathered by the department of agriculture, there will be a larger volume of hay to be marketed this year than in 1921. As a result prices are ruling somewhat lower. Transportation facilities continue to be an important factor in the distribution of this crop, and many production areas will, as a result of the lower prices and the high cost of delivery, be unable to lay down hay in remote markets where once good business was conducted. Up to September 15, Michigan had moved about seven per cent of the surplus timothy hay which she will have to market.

ALMA SUGAR PLANT STARTS.

THE Alma sugar plant of the Michigan Sugar Company, one of the first to get into operation this year, started slicing beets on October 8, as announced by Jothan Allen, manager. It is expected that the Alma plant this year will slice about 50,000 tons of beets, which will be shipped in from other beet-producing sections. It is expected that the run will be about seventy-five days, the average run of sugar plants in Michigan this year.

STANDARD LOADS of

DU PONT POWDERS

Kind of Game	12 GAUGE OZ		16 GAUGE OZ		20 GAUGE OZ		SHOT SIZES ALL GAUGES
	DRAMS	SHOT	DRAMS	SHOT	DRAMS	SHOT	
Turkey	3 1/4	1-1/2	2 3/4	1	2 1/2	7/8	2 & 4
Geese	3 1/4	1-1/2	2 3/4	1	2 1/2	7/8	4 in flight 0 one dozen
Brant	3 1/4	1-1/2	2 3/4	1	2 1/2	7/8	
Large Ducks	3 1/4	1-1/2	2 3/4	1	2 1/2	7/8	
Medium Ducks	3 1/4	1-1/2	2 1/2	1	2 1/4	3/4	6
Grouse	3 1/4	1-1/2	2 1/2	1	2 1/4	3/4	6
Prairie Chicken	3 1/4	1-1/2	2 1/2	1	2 1/4	3/4	6
Squirrels	3	1	2 1/2	1	2 1/4	3/4	6
Rabbits	3	1	2 1/2	1	2 1/4	3/4	6
Small Ducks	3 1/4	1-1/2	2 1/2	1	2 1/4	3/4	7 1/2
Pheasants	3 1/4	1-1/2	2 1/2	1	2 1/4	3/4	8
Pigeons	3 1/4	1-1/2	2 1/2	1	2 1/4	3/4	8
Doves	3 1/4	1-1/2	2 1/2	1	2 1/4	3/4	8
Quail	3	1	2 1/2	1	2 1/4	3/4	10
Snipe	3	1	2 1/2	1	2 1/4	3/4	10
Woodcock	3	1	2 1/2	1	2 1/4	3/4	10
Shore Birds	3	1	2 1/2	1	2 1/4	3/4	10
Reed Birds	3	1	2 1/2	1	2 1/4	3/4	10
Trap shooting	3	1	2 1/2	1	2 1/4	3/4	7 1/2

BALLISTITE (Dense) SMOKELESS

If BALLISTITE (dense) Powder is desired order by grams.
A comparison follows of Bulk and Dense Loads:

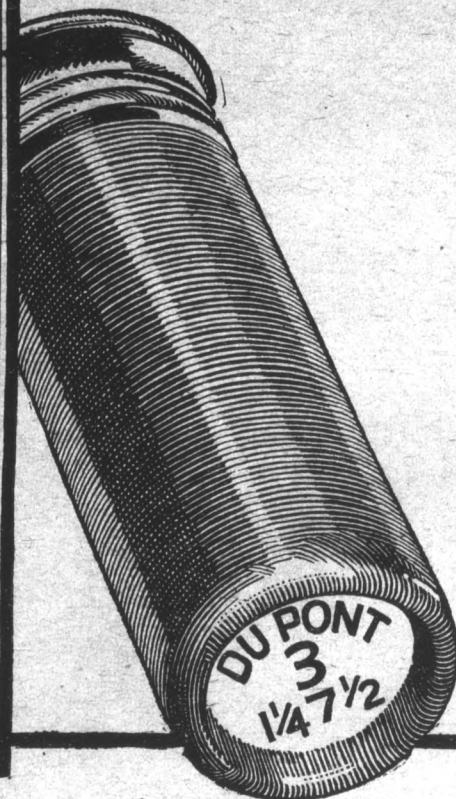
DRAMS	GRAINS	DRAMS	GRAINS
3 1/4 equivalent to	28	2 1/2 equivalent to	20
3 1/4	20	2 1/2	18
3	14	2	10
2 3/4	12	1 3/4	14

* In 12-Gauge loads only, use No. 2 Shot

Here are the standard loads which give the best results for each kind of shooting. They are carried in stock by practically every dealer everywhere. Clip this table and use it when buying shells.

Du Pont makes powder—not shells. Du Pont Powders are loaded in every brand of shell. The name "DU PONT" or "BALLISTITE", printed on the carton and the top shot wad, tells you what powder you are shooting. Specify the powder when you buy the shell.

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



There is just as much reason for you to specify the brand of powder you shoot as the make of shell you use—and it is the same reason.

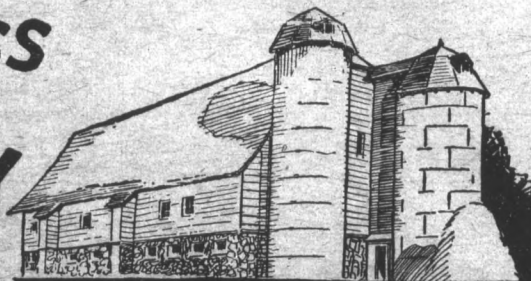
SHOOT DU PONT POWDERS

SUCCESS BUILT ON SOLVAY

Farm Success rests squarely upon rich, productive soil. Most land needs lime to keep it sweet and fertile. When you lime—spread Solvay—guaranteed high test 95% carbonates—non-caustic, furnace dried, ground fine to spread easily and bring results first harvest. Write for **FREE Booklet**.

THE SOLVAY PROCESS CO.

Sales Agent, WING & EVANS, Inc., 625 Book Bldg., Detroit, Mich.



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Save Money and Prevent Sickness. Water-proof, rust-proof, rot-proof. No metal touches you. Keep feet in good condition. Money back if not satisfied. Free catalog for a postal.

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SCIENTIFIC IGNITION

For The **FORD** All Models

Equip your Ford with the same high quality ignition used as standard equipment on America's foremost cars. Write for Literature

Atwater Kent Mfg. Co. Dept. 01 Phila.

SYSTEM COMPLETE INCLUDING CABLES AND FITTINGS Price \$11.75



2 1/2-H.P. SAW \$77.50

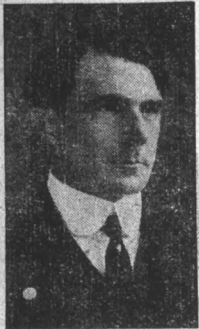
Try 30 Days. Cuts fast; easy to operate. Steel saw-buck with split bearings. 3/4 and 1 1/4 H.P. Saws ready to mount on skids or on wagon bed. Magneto built in at small additional cost. Shipped direct from factory or 5 branch houses. **FREE BOOK**—write today. Prices **LOW**. **OTTAWA MFG. CO., Dept. 194-B Ottawa, Kan.**

Mention The Michigan Farmer When Writing Advertisers

Does It Prohibit?

Our Weekly Sermon—By N. A. McCune

LORD NORTHCLIFFE, the English newspaper owner, was in the United States something over a year ago. While here he was asked what he thought of prohibition. "When does it begin?" he asked. This sarcastic question was heralded over the world as proof that prohibition in America did not prohibit. Within the past few months another subject of the British Empire has been in America. Unlike Lord Northcliffe he did not come prejudiced against prohibition, but he came to study the question, and to ascertain the exact facts in the case, so far as he was able. This was Mr. Gifford Gordon, of the Victorian Anti-Liquor League, of Australia. So many stories are floating through the Australian press of the oceans of



liquor that are being consumed in prohibition America, and others of the you-can-get-all-you-want order, that Mr. Gordon was sent over here to learn the truth, before the campaign for a dry Australia is pushed farther.

The result of Mr. Gordon's researches and travels are surprising, even to Americans. He traveled twenty-five thousand miles, visiting almost every large city, many smaller cities, and many rural communities. He talked with employers of labor, labor leaders, criminologists, doctors, alienists, national, state and city officials. He read the newspapers and magazines. He omitted no source of information. He says, "Prohibition in America Has Succeeded!"

THIS traveler learned many things about us that we do not know ourselves. For instance, he asked the editor of a great city newspaper why the press said so much about liquor violations, and the editor replied: "Violation of law is news. Observance of the law is not news. For example, a prominent citizen may lead a life of exemplary virtue, and the papers will not comment on the fact. But let him fall from grace, let him break the law, and he becomes a subject for newspaper headlines."

Mr. Gordon collected facts and figures that must have made his trunk groan, when he packed it for the return voyage. He quotes figures by the column, on the decrease of drunkenness, in the great cities. For instance, the figures show that in Detroit there was a decrease of over ten thousand cases of drunkenness in one year, after prohibition became law. Judge Gemmill, of the Municipal Court of Chicago wrote him that there had been a decrease of six hundred thousand, in the number of persons arrested for drunkenness, a decrease of from one hundred to four hundred per cent for nearly all cities.

Take the matter of alcoholic institutes, for the cure of the drink habit. Formerly there were sixty-eight Neal Institutes throughout the United States, and twelve years prior to prohibition they had treated one hundred twenty-five thousand patients. But two years after prohibition had become a law, all these alcoholic institutes were closed. The largest Keeley Institute was in Dwight, Illinois. This has been leased to the government for five years, as a hospital for soldiers. Formerly there were fifty Keeley Institutes in the country, now there are twelve, most of them very small. This was learned from the former head of the great Keeley Institute at Dwight. At Knoxville, Iowa, the Inebriate

Home, consisting of five large buildings, has been purchased by the government as a home for disabled soldiers. Doctor Pollock, statistician of the State Hospital Commission of New York, wrote Mr. Gordon: "There are now no institutions in this country solely for inebriates."

WHAT of prohibition and crime?

In Pittsburgh our traveler was escorted through the prison. "We have 840 cells here," said his guide, "and in the days before prohibition we often had as many as 940 prisoners. Now 315 cells are empty." In Seattle the jail accommodates 300 prisoners, but the day the visit was made, there were but ninety-five. To quote Judge Gemmill again, "Twenty per cent of the jails have been without prisoners since prohibition went into effect; and in eighty per cent of them the number of prisoners has been reduced anywhere from fifteen to eighty per cent."

How do labor unions feel about prohibition? Many believe that the men who toil in mines and factories are opposed to it. But investigation does not bear this out. James Duncan, Secretary of the American Federation of Labor states that Mr. Gompers does not represent the workingmen when he says he is opposed to the Volstead Act. The canvass of labor leaders made by the Literary Digest shows that 345 leaders believed that prohibition was a benefit to the laboring man, 143 that it was not a benefit, and thirty-one were doubtful. Thrift has increased immensely since prohibition became a law. Statements to this effect were made to Mr. Gordon all over the United States. The president of the Interstate Trust Company of Denver, said that "Prohibition has had a wonderful effect in turning into the savings banks money formerly spent for liquor."

MR. GORDON was told by some that prohibition was responsible for the "Crime Waves." But he says that crime waves have swept England, France and Germany, where prohibition does not exist. He was told that the use of narcotic drugs had increased since the advent of prohibition. But there has also, he says, been a vast increase in the use of drugs in England, during the same period, and it can hardly be attributed to prohibition there, as Great Britain's drink bill last year was \$2,000,000,000. "The opponents of prohibition," says Mr. Gordon, "are holding up their hands in horror over an alleged increase in the number of drug addicts in America. They are saying, 'We told you so. You take away drink from the people, and they will resort to drugs.' With strange inconsistency these same people in the next breath will tell you that there is just as much drinking now as before prohibition, and that you can get it anywhere. Ye gods, what logic! Here is a mouthful: "The New York City Health Department asked 1,403 drug patients how they acquired the habit, and only twelve of them said they were driven to it by the desire for alcohol."

Has prohibition had a square deal? Mr. Gordon, after a year of investigation believes it has not. It has been maligned, misrepresented, ridiculed, but, worst of all, the facts have not been published as to how it has actually worked.

WORLD'S TEMPERANCE SUNDAY, OCTOBER 29.

SUBJECT:—World-wide Prohibition. GOLDEN TEXT:—Righteousness exalteth a nation; but sin is a reproach to any people. Prov. 14:34.



*Try
the Grocer,
first!*

SLEEPLESS nights and daytime irritation, when caused by coffee drinking, often require a call on the grocer to avoid a later call on the doctor.

Postum, instead of coffee, has brought restful nights and brighter days for thousands of people—together with complete satisfaction to taste.

You will enjoy the full, rich flavor and aroma of Postum, and nerves will be free from any possibility of irritation from coffee's drug, caffeine. You can begin the test today with an order to your grocer.

Postum comes in two forms: Instant Postum (in tins) prepared instantly in the cup by the addition of boiling water. Postum Cereal (in packages, for those who prefer to make the drink while the meal is being prepared) made by boiling fully 20 minutes.

Postum for Health

"There's a Reason"



Made by
Postum Cereal Co., Inc.,
Battle Creek, Mich.



A Stove For a Dime

For all uses around the farm and house where heat is needed in a hurry. Don't wait for the big fire in the kitchen range for your early breakfast.

STERNO CANNED HEAT FOLDING STOVE

Will be sent to you upon receipt of this ad. and 10c by Sterno Corp., 9 East 37th Street, New York. Dept. F.



*"Oh, Yes and
Lighthouse Coffee"*

Never forget to order Lighthouse. Spell it—L-i-g-h-t-h-o-u-s-e. The kind that comes in the round tin can—for then you may be sure that the coffee you serve is the best.

Roasted and packed by National
Grocer Co. Mills, Detroit.

**LIGHTHOUSE
COFFEE**



Contains all articles recommended by the best Physicians, and necessary for the safety and comfort of Mother and Babe. All high quality sterilized products. Neatly sealed in individual packages and put up in substantial containers. If purchased separately, of your own dealer, will cost you two or three times more. You ought to have this packet now. Why take chances? Order at once and be prepared. We ship in plain wrapper, Parcel Post prepaid for \$5.00. Fully guaranteed. Your money back if not satisfied. References: Any Express Company or Commercial Agency; any Bank in Flat. Address.

The Storkshop Pharmacies,
2417 Detroit St., Flint, Michigan

A helpful booklet, "Your Physician's Instructions," free in response to request. Write for your copy today.



Comfort and Safety for Mother and Babe

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WORLD EVENTS IN PICTURES



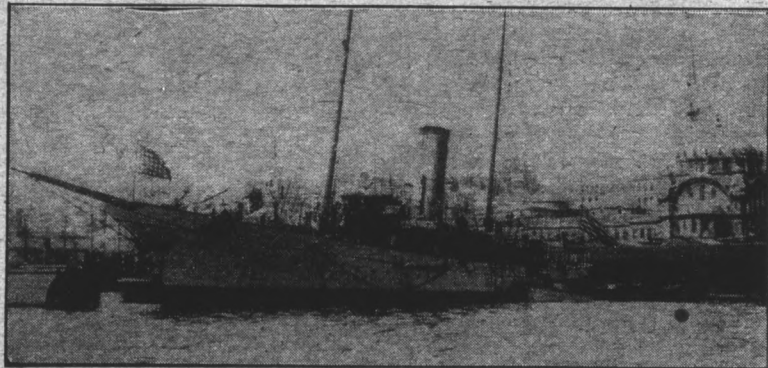
Timako and Mrs. Timako, champion Filipino tree climbers racing up a 100-foot palm tree.



Mrs. Wm. A. Gavin, famous English golf player, congratulating Miss Glenna Collett, of Providence, R. I., who defeated her at Woman's National Golf Championship Tournament.



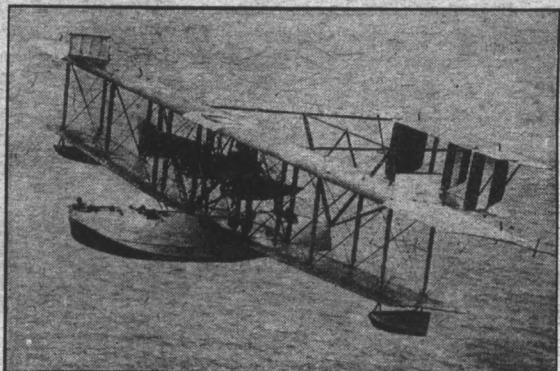
Stokes, American world champion sharp shooter, at International Shooting Match, in Milan, Italy.



The U. S. S. Scorpion could tell many adventurous stories relating to the Spanish-American War, and aiding in the rescuing of Christians from Smyrna if she could talk.



A portion of the 300,000 persons who fled to the water front of the town of Smyrna to escape death by burning when the city was destroyed by fire.



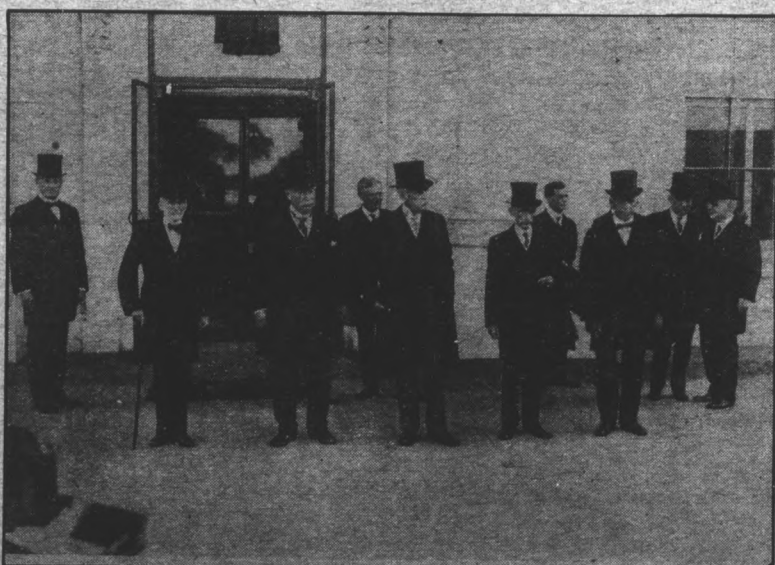
U. S. Navy N.C.-9, the largest heavier-than-air craft in the world, took a prominent part in the Pulitzer Cup Races, Oct. 8, at Detroit.



Mrs. W. H. Felton, Cartersville, Ga., has been appointed to the United States Senate.



"Long George" Kelly tested out the radiophone which carried the story of the world series to the baseball-radio-fans.



President Harding received the members of the Supreme Court in the Blue Room of the Whitehouse, according to usage, before reconvening with a new man on the bench.



The President of Poland visited the King and Queen of Roumania last month. The women are here seen wearing the national Roumanian costume.

THE CROSS-CUT —By Courtney Ryley Cooper

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He went out of the room then, and Fairchild, obedient to the big Cornishman's command, sought rest. But it was a hard struggle. Morning came, and he joined Harry at breakfast, facing the curious glances of the other boarders, staving off their inquiries and their ill couched consolations. For, in spite of the fact that it was not, voiced in so many words, the conviction was present that Crazy Laura had told at least a semblance of the truth, and that the dovetailing incidents of the past fitted into a well-connected story for which there must be some foundation. Moreover, in the corner were Blindeye Bozeman and Taylor Bill, hurrying through their breakfast that they might go to their work in the Silver Queen, Squint Rodaine's mine, less than a furlong from the ill-boding Blue Poppy. Fairchild could see that they were talking about him, their eyes turned often in his direction; once Taylor Bill nodded and sneered as he answered some remark of his companion. The blood went hot in Fairchild's brain. He rose from the table, hands clenched, muscles tensed, only to find himself drawn back by the strong grasp of Harry. The big Cornishman whispered to him as he took his seat again:

"It'll only make more trouble. I know 'ow you feel—but 'old in. 'Old in."

It was an admonition which Fairchild was forced to repeat to himself more than once that morning as he walked uptown with Harry, to face the gaze of the street loafers, to be plied with questions, and to strive his best to fence away from them. There were those who were plainly curious; there were others who professed not to believe the testimony and who talked loudly of action against the coroner for having introduced the evidence of a woman known by every one to be lacking in balanced mentality. There were others who, by their remarks, showed that they were concealing the real truth of their thoughts and only using a cloak of interest to guide them to other food for the carrion proclivities of their minds. To all of them Fairchild and Harry made the same reply: that they had nothing to say, that they had given all the information possible on the witness stand during the inquest, and that there was nothing further forthcoming.

And it was while he made this statement for the hundredth time that Fairchild saw Anita Richmond going to the post office with the rest of the usual crowd, following the arrival of

the morning train. Again she passed him without speaking, but her glance did not seem so cold as it had been on the morning that he had seen her with Rodaine, nor did the lack of recognition appear as easily simulated. That she knew what had happened and the charge that had been made against his father, Fairchild did not doubt. That she knew he had read the "personal" in the Bugle was as easily determined. Between them was a gulf—caused by what Fairchild could only guess—a gulf which he could not essay to cross, and which she, for some reason, would not. But there was nothing that could stop him from watching her, with hungry eyes which followed her until she had disappeared in the doorway of the

ally. "But it's necessary. You 'aven't quit?"

"Quit what?"

"The mine. You're going to keep on, ain't you?"

Fairchild gritted his teeth and was silent. The answer needed strength. Finally it came.

"Harry, are you with me?"

"I ain't stopped yet."

"Then that's the answer. As long as there's a bit of fight left in us, we'll keep at that mine. I don't know where it's going to lead us—but from all appearances as they stand now, the only outlook seems to be ruin. But if you're willing, I'm willing, and we'll make the scrap together."

Harry hitched at his trousers.

A moment of staring then Fairchild passed the telegram over to Harry for his opinion. There was none. Together they went across the street to the office of Farrell, their attorney. He studied the telegram long. Then:

"I can't see what on earth it means, unless it is some information about this skeleton or the inquest. If I were you, I'd go."

"But supposing it's some sort of a trap?"

"No matter what it is, go and let the other fellow do all the talking. Listen to what he has to say and tell him nothing. That's the only safe system. I'd go down on the noon train—that'll get you there about two. You can be back by 10:30 tomorrow."

"No 'e can't," it was Harry's interruption as he grasped a pencil and paper. "I've got a list of things a mile long for 'im to get. We're going after this mine 'ammer and tongs now!"

When noon came, Robert Fairchild, with his mysterious telegram, boarded the train for Denver, while in his pocket was a list demanding the outlay of nearly a thousand dollars: supplies of fuses, of dynamite, of drills, of a forge, of single and double jack sledges, of fulminate caps—a little of everything that would be needed in the months to come, if he and 'Arry were to work the mine. It was only a beginning, a small quantity of each article needed, part of which could be picked up in the junk yards at a reasonable figure, other things that would eat quickly into the estimate placed upon the total. And with a capital already dwindling, it meant an expenditure which hurt, but which was necessary, nevertheless.

Slow, puffing and wheezing, the train made its way along Clear Creek canyon, crawled across the newly built trestle which had been erected to take the place of that which had gone out with the spring flood of the milky creek, then jangled into Denver. Fairchild hurried uptown, found the old building to which he had been directed by the telegram, and made the upward trip in the ancient elevator, at last to knock upon a door. A half-whining voice answered him, and he went within.

"Mr. Barnham?"

"That's what I'm called." He wheezed with the self-implied humor of his remark and motioned toward a chair. "May I ask what you've come to see me about?"

"I haven't the slightest idea. You sent for me." Fairchild produced the telegram, and the greasy person who had taken a position on the other side

HALLOWE'EN---By Ruth Raymond

The children played at Hallowe'en
Sly pranks in childish glee,
She soaped the windows' spotless
sheen,
He set the watch-dog free.
They stole the pumpkins from the
sheds
And pounded the kitchen door
Then weary sought their restful beds
For Hallowe'en charms were o'er.

They kept the mystic Hallowe'en
When she was a maiden fair
And he a youth of noble mien,
They knelt by the lakelet there

And saw revealed each winsome face;
Love's story told once more
But proved the myths held wondrous
grace
'Ere Hallowe'en charms were o'er.

Tonight they keep the Hallowe'en,
'Tis years since they were wed,
And she is still his cherished queen
Who pares the apples red;
He cracks the nuts, each charm they
share
As in the days of yore
The myths for them will still be fair
Till Hallowe'en charms are o'er.

post office, eyes which believed they detected a listlessness in her walk and a slight droop to the usually erect little shoulders, eyes which were sure of one thing: that the smile was gone from the lips, that upon her features were the lines and hollows of sleeplessness, and the unmistakable lack of luster and color which told him that she was not happy. Even the masculine mentality of Fairchild could discern that. But it could not answer the question which the decision brought. She had become engaged to a man whom she had given evidence of hating. She had refused to recognize Fairchild, whom she had appeared to like. She had cast her lot with the Rodaines—and she was unhappy. Beyond that, everything was blank to Fairchild.

An hour later Harry, wandering by the younger man's side, strove for words and at last uttered them.

"I know it's disagreeable," came fin-

"They've got that blooming skeleton out by this time. I'm willing to start—any time you say."

The breath went over Fairchild's teeth in a long, slow intake. He clenched his hands and held them trembling before him for a lengthy moment. Then he turned to his partner.

"Give me an hour," he begged. "I'll go then—but it takes a little grit to—"

"Who's Fairchild here?" A messenger boy was making his way along the curb with a telegram. Robert stretched forth a hand in surprise.

"I am. Why?"

The answer came as the boy shoved forth the yellow envelope and the delivery sheet. Fairchild signed, then somewhat dazedly ran a finger under the slit of the envelope. Then, wondering, he read:

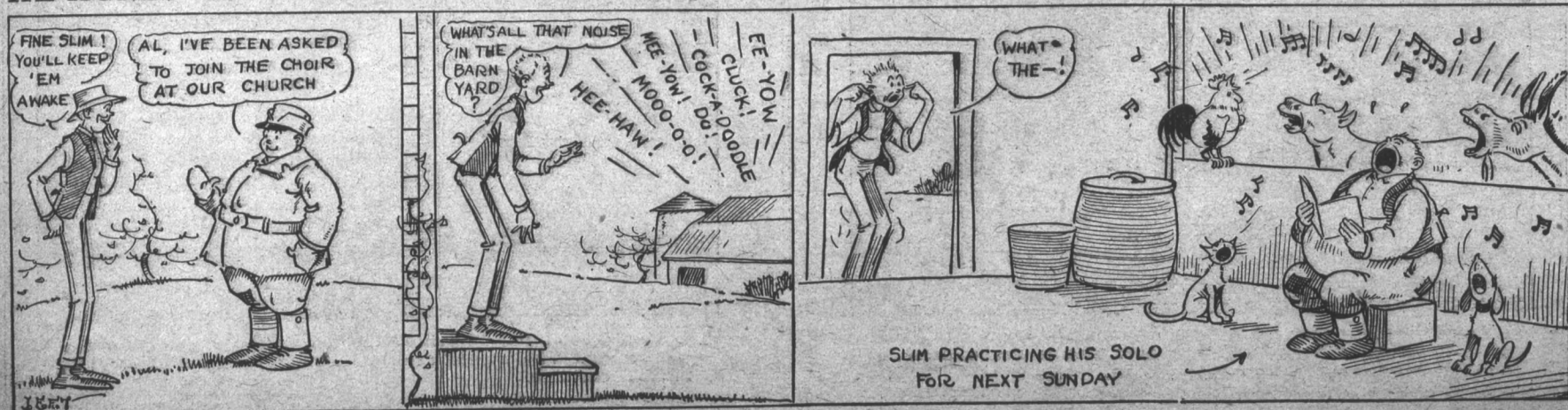
Please come to Denver at once. Have most important information for you.

R. V. Barnham,

H & R Building.

AL ACRES—Slim Would Make a Hit with His Barnyard Sextette, or More Likely Get Hit.

—By Frank R. Leet.



of a worn, walnut table became immediately obsequious.

"Of course! Of course! Mr. Fairchild! Why didn't you say so when you came in? Of course—I've been looking for you all day! May I offer you a cigar?"

He dragged a box of domestic perfectos from a drawer of the table and struck a match to light one for Fairchild. He hastily summoned an ash tray from the little room which adjoined the main, more barren office. Then with a bustling air of urgent business he hurried to both doors and locked them.

"So that we may not be disturbed," he confided in that high, whining voice. "I am hoping that this is very important."

"I also," Fairchild puffed dubiously upon the more dubious cigar. The greasy individual returned to his table, dragged the chair nearer it, then, seating himself, leaned toward Fairchild.

"If I'm not mistaken, you're the owner of the Blue Poppy mine."

"I'm supposed to be."

"Of course—of course. One never knows in these days what he owns or when he owns it. Very good, I'd say, Mr. Fairchild, very good. Could you possibly do me the favor of telling me how you're getting along?"

"I thought you had information—for me!"

"Very good again." Mr. Barnham raised a fat hand and wheezed in an effort at intense enjoyment of the reply. "So I have—so I have. I merely asked that to be asking. Now, to be serious, haven't you some enemies, Mr. Fairchild?"

"Have I?"

"I was merely asking."

"And I judged from your question that you seemed to know."

"So I do. And one friend." Barnham pursed his heavy lips and nodded in an authoritative manner. "One very, very good friend."

"I was hoping that I had more than that."

"Ah, perhaps so. But I speak only from what I know. There is one person who is very anxious about your welfare."

Mr. Barnham leaned forward in an exceedingly friendly manner.

"Well, isn't there?"

Fairchild squared away from the table.

"Mr. Barnham," came coldly; the inherent distrust for the greasy, uninviting individual having swerved to the surface. "You wired me that you had some very important news for me. I came down here expressly because of that wire. Now that I'm here, your mission seems to be wholly taken up in drawing from me any information that I happen to possess about myself. Plainly and frankly, I don't like it, and I don't like you—and unless you can produce a great deal more than you have already, I'll have to chalk up the expense to a piece of bad judgment and go about my business."

"Please don't," he begged, thrusting forth a fat hand, please, please don't. This is a very important matter. One—one has to be careful in going about a thing as important as this is. The person is in a very peculiar position."

"But I'm tired of the way you beat around the bush. You tell me some meager scrap of filmy news and then ask me a dozen questions. As I told you before, I don't like it—and I'm just about at the point where I don't care what information you have!"

"But just be patient a moment—I'm coming to it. Suppose—" then he cupped his hands and stared hard at the ceiling, "Suppose that I told you that there was some one who was willing to see you through all your troubles, who had arranged everything for you, and all you had to do would be to say the word to find yourself in the midst of comfort and riches?"

(Continued next week).



No. 755

This is a very popular style of Wobst Felt Shoe. The full grain leather foxing adds to its durability and makes it an ideal shoe for use without arctics in dry cold weather. It has a combination leather and felt sole, with rubber heel. Finest quality heavy black wool felt.

"I tell you, Jim, there's no need of this suffering! These WOBST FELT SHOES save my feet from frost bite and soreness."



No. 746

No more comfortable shoe than this could possibly be made. It is of heavy wool felt thruout. All black, with the exception of gray sole and heel.



This label is inside the tongue.



Men
Grab this Bargain QUICK!

All Rubber Hi-Cut Arctics—4 Buckles. Full snow excluding tongue. EXTRA HEAVY Soles and Heels. Seams reinforced. Pure Gum RUBBER—Quality through and through. ORDER QUICK

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Woman's Interests



Flowers Shorten the Winter Days

WITH the heavy frosts of fall always comes the dread of the long winter months which in many farm homes will not be shortened by the cheery bloom of any flowers. Because many housewives believe that it is difficult to grow flowers successfully, it might be well to give a few rules which, if followed carefully, should produce the best results.

Flowers of nearly all kinds require a reasonably rich soil not too heavy. Well rotted manure should be mixed into the ordinary garden loam and if the soil is heavy, mix in sand enough to make it porous. In watering, be careful the plants are not too wet. It is well to wait until they look quite dry, then soak thoroughly, never allowing any water to stand in the saucer. Manure water about the color of weak tea, is also a great help to growth if given every two or three weeks.

Nearly all plants require sunlight and all must have fresh air. Arrange the plants so the draft does not strike them, but never make the mistake of thinking that they do not need air. For nearly all plants a certain amount of sunlight is also necessary.

The sultana and geranium grow very easily from slips. I have had the best success rooting them in water, but sand is also good. When they have a root growth, set out in a crock filled with a mixture of garden loam, well rotted manure and a little sand if the soil is heavy. For geraniums, I put in the bottom of the crock a quantity of well rotted manure, then a little soil on which to set the plant, then fill the crock with the loam, firming around the plant. Fed in this way, they will grow to a splendid size. Do not have the crock too large as the plant will run to leaves and will not bloom. Stones or broken crockery should always be put in the bottom to provide drainage. If kettles or cans are used, punch holes in the bottom of the dish.

Both petunias and snapdragons make fine winter bloomers. If slips are obtainable, start the same as with geraniums. If one cannot get slips, a paper of seeds will cost but little and provide plants not only for the winter but also for the flower garden next summer. I prefer the Giants of California petunias as they are wonderfully ruffled and the colors are unusual. Ordinary garden loam well mixed with sand is best for starting them. I prefer boxes and like to sift the soil, as the seeds are very fine. Sow thinly, then scatter on a layer of the sifted soil. In watering, care should be taken not to wash out the seeds. When they are good-sized plants, transfer to crocks or tin cans filled with the loam and manure mixture mentioned above. These plants will grow rapidly and furnish a wealth of bloom through the later winter and early spring. They can be transferred to the flower beds after danger of frost is past and will bloom through the summer.

There is no plant which will give more beautiful blooms than the cyclamen and nearly every woman loves to have at least one of these. While they are more difficult to raise than many plants, it is quite possible to raise them from seed. Now is a good time to start them in order to have them come into bloom a year from this winter. Procure your seed from a reliable seeds-

By Esther Marie Betts

man. Sift finely into your boxes a mixture of one part garden loam, one part well rotted manure, one part sand and one part woods loam. Sow the seeds at least one and a half inches apart, then cover with more of the finely sifted soil. Put in a sunny window where they will have plenty of light and air. Keep moist but not wet. The plants should appear in from five weeks to two or three months. When they have the second leaf, transfer to thumb pots filled with the same kind of soil. Be careful that you do not have a crock which is too large, and be sure to leave the top of the bulb uncovered. Carelessness in either way may cause the bulb to rot. In water-

acins, however, must have plenty of fertilizer and a rather sandy soil. A five-inch pot is best for them. After the bulbs are set, place in the cellar or other dark place, watering occasionally as the soil becomes dry. When the crocks are well filled with roots, the plant may be brought into the light. This will usually take from four to six weeks. Do not expose to full sunlight but turn a crock over the plant in order that the bud, which is already formed, may be brought well above the leaves. Otherwise the blossom may remain hidden in the soil. Keep the plant covered from light until the flower stalk is well above the leaves, then give plenty of sunlight. In about four weeks, the blooms should be ready to open. Weak manure water given every



Plan to Have Blossoms Indoors After Jack Frost Comes.

ing, guard against wetting the top and never keep them very wet. It is well to re-pot again in May, then they may be put on the north porch or in a shady spot in the garden. It is their nature to shed many of their leaves during this rest period in the summer. Re-pot again in September, using the same kind of soil and always taking care to leave the top of the bulb free. A week or two after re-potting, the plant may be brought into a sunny window where it should soon begin to show signs of growth, and will bloom freely through the winter. Cyclamen leaves should be washed frequently with a damp cloth and all red spiders destroyed as soon as they appear. Plants taken from the greenhouse often have the tiny white millers which are very bad for cyclamen. Put some ammonia in a saucer and set the plant in that if it is troubled with millers. I have found that it takes cyclamen some time to get accustomed to the change in atmosphere, so it is often necessary to keep them away from the sun in some place where the light is good. For that reason I prefer to raise them from seed.

Any list of flowers for winter blooming would hardly be complete without some of the bulbs which are so easy to grow successfully. It is well to procure bulbs in the fall from some reliable seed house or nursery. Set in crocks or tin cans filled with soil composed of garden loam mixed with well rotted manure. Be very careful to have well rotted manure as that which is fresh will cause the bulbs to rot. Daffodils will do very nicely in a tin can filled with black marshy soil. Hy-

week or two will make larger, finer blooms.

Considering the work and expense, I believe the spring flowering bulbs when forced in the house, bring greater joy than almost any other flower.

"PASS IT ON."

I have often seen the inquiry how to make tomato soup without the milk curdling, or the soup tasting of the soda. Perhaps my way will help some-

one who has this trouble. Let the tomatoes boil, put in the soda and skim off the foam. Next have the amount of milk ready and put it all in, cold or boiled, before stirring, then season with salt, pepper and butter, preferably good dairy butter.—Mrs. F. A. D.

In making peach jelly, use the juice of one lemon to each four tumblers of jelly to flavor.—Mrs. F. A. D.

One of the best preparations for

A Good Cake Recipe

THE best housewives flirt with baking powder rather than face powder, that they may adequately feed their family. vary the daily menus and more Cake of some variety generally appears on our tables daily. It is not always the new recipe that holds high favor, but the old favorite one that has been for a time forgotten. Those that are economical are usually more popular.

To the one who sends us the best letter before November 3, containing their favorite cake recipe, we will send a three-piece kitchen set, the next two will receive a two-piece kitchen set, while the following two will receive a pair of fancy six-inch scissors. Address all letters to the Household Editor, Michigan Farmer, Detroit, Michigan.

washing the hair is pure white castile soap dissolved in hot soft water. If the hair is inclined to be oily the juice of a lemon used in the last rinse water will tend to dry it. For this reason lemon should not be used for dry scalps.—Mrs. C. A.

Here is a good dark cake recipe: Cream one cup of brown sugar with two egg yolks and half cup of shortening, (half butter and half lard), then add three-fourths cup of sour milk, one teaspoon of cinnamon, half teaspoon of cloves, half teaspoon of nutmeg, one and one-half cups flour, one teaspoon soda, one cup of raisins, and last, fold in the whites of two eggs, beaten stiff. Bake in a moderate oven.—Mrs. H. B.

Household Service

TO STARCH ORGANDY.

I made organdy dresses for my two little girls this summer. I find they do not look as well after washing when I starch them. Can you tell me something that will add this stiffness beside the regular clothes starch?—Mrs. B. L.

When washing organdies or any fine white dresses, if you will add five cents worth of gum arabic dissolved in warm water to the last rinsing water. It will have the appearance of a new dress and when they become mussed can be easily pressed.

CAN THE CABBAGE.

Would you please tell me how to can cabbage so it will keep? I would like some to use during the summer.—Mrs. B. Y.

Use only good firm heads of cabbage. Cook in a kettle for thirty minutes. This time may be varied to the grade of cabbage. Season with salt and pep-

per and can in sterilized jars. This vegetable can also be preserved by the cold pack method. Add only a small amount of water and seasoning to each jar and process in a hot water bath for two hours, or for one hour in a pressure cooker, under five pounds of steam.

TO RETAIN THE GLOSS ON LINO-LEUM.

I have just covered my kitchen floor with new linoleum. Can you tell me something that will help to retain the gloss on it?—Mrs. M. O.

If you wish to keep the gloss on your linoleum, when washing it use lukewarm water to which has been added a tablespoonful of kerosene to half a bucket of water. You will find this to be an excellent cleanser and at the same time will aid in retaining the gloss of the linoleum. A strong soap will tend to remove the gloss.

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Fashions
—Many Pages in
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~ If You Act at Once



Fashions

Fall fashions are completely changed. November Pictorial Review illustrates all the new styles—and for each style there is a Pictorial Review Pattern with the Patented Cutting and Construction guides that guarantee success. 20c to 35c each.



Fiction

Don't miss the wonderful fiction in November Pictorial Review. Contains the first installment of "Butterfly" by Kathleen Norris, and also many short stories by Edna Ferber, Donn Byrne, May Sinclair, Stacy Aumonier, and others.



Beauty

Each month Pictorial Review gives all the latest hints on beautifying the skin, hair, hands, feet, form, etc. The November issue is a veritable gold mine of new beauty information. Don't miss it.

FIVE full length novels by America's greatest fiction writers (each \$2.00 at any book store)—scores of wonderful tales by noted short-story writers—the latest and best in fashions—dozens of interesting special articles—all this, together with new recipes, embroidery, crochet, fancy needle work, funny pages, children's cut-outs, a baby department, beauty hints, and home-making information, all for less than three cents a week! This is what America's greatest woman's magazine, Pictorial Review, now offers you.

"Butterfly," Kathleen Norris's Greatest Novel, Begins in November

Would luxury and wealth tempt you to do what Dora Collier did? Does life in Smart Society undermine a woman's moral fibre? "Butterfly" is an absorbing story of love, wealth and temptation. It tells of a pretty girl's rise from dismal poverty to the very heights of luxury—and what happened when she got there! "Butterfly" will thrill you more than anything you have ever read. It begins in the November issue. Don't miss it.

Who Makes the Best Wife?

Does commercial life fit a girl for marriage? Or does the "home girl" make the best wife? "Home Girl," by Edna Ferber in Pictorial Review for November sheds a new light on this interesting subject. It contains a big surprise.

Are You Ever Jealous?

Do you ever envy your neighbors? Do you wish you could change places with them? How do we know that anyone is better off than ourselves? You'll get a shock when you read "The Octave of Jealousy" by Stacy Aumonier, in Pictorial Review for November.

What is the Matter with Marriage?

Today, a marriage may be legal in one state and illegal in another. Today, a woman may be a respectable wife in one state—and in another this same woman can be put in prison for living with her husband. Every ninth marriage ends in divorce. Unless these conditions are quickly remedied, marriage and our civilization will be utterly destroyed. Pictorial Review for November gives some

startling facts about marriage laws and offers a wonderful new solution with its Better Marriage Campaign.

Fashions Are Completely Changed

Without doubt you are interested in the new fashions, and in home-dressmaking for the whole family. Pictorial Review Patterns are the most popular in America, due to their simplicity, style and economy. With the Patented Cutting and Construction Guides even a child of eight can lay out and cut the material as correctly as an expert. Forty Millions of them are sold in the United States every year in the leading stores.

Pictorial Review gives you every month from twelve to sixteen pages of the newest fashions—with patterns for each one, from the simplest house-gown or apron, to an elaborate evening or wedding dress. Pictorial Review Patterns including the Cutting and Construction Guides cost only 20 to 35 cents whereas others cost 40 to 50 cents. Try one pattern—it will convince you that with Pictorial Review Patterns it is a delight to make for yourself the newest dresses. Pictorial Review for November is a gold mine of fashion information. Don't miss it.

Over 2,000,000 Readers

Pictorial Review today goes into over two million homes each and every month of the year. Now, when women in over two million homes, housekeepers with daily cares on their shoulders, decide to buy a magazine every month, it is clear proof that the magazine must have merit beyond the ordinary, isn't it? Well, Pictorial Review certainly justifies the faith these women put in it, or it could not be the huge success it is.



Cooking

Do you want to know the new dishes? The new recipes? Methods to save time and money? Then read Pictorial Review for November. The recipes alone are worth double the price of the magazine.



Embroidery

The Embroidery and Crochet Departments in Pictorial Review for November are a positive delight. Contain many new ideas new patterns, with much helpful information to the beginner. Be sure and see the color illustrations.

Special Subscription Offer

—Send No Money

WITHOUT sending any money in advance, fill out and mail the attached coupon, and we will enter your subscription for Pictorial Review for a year, sending you the November issue right away. Later on we will bill you for the special low price of \$1.50 in full payment. This Special Subscription Offer is open for a limited time only. You may never see it again. So in order to make sure of its advantages, you should send us the coupon at once. If you wish to send cash with order you may do so, but this is unnecessary. In any event do not delay but get the coupon off to us at once. The November issue will come to you by return mail.

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These GALVANIZED sheets are suitable for roofing or siding, free from holes, squarely trimmed, recorrugated and given a coat of Red Paint free of charge.

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Our Boys' and Girls' Page

Found In Our Letter Box

Letters from Pals for the Correspondence Corner

Dear Uncle Frank:

It has been a long time since I have been writing to you. I have read the girls' papers, so thought I would write to you. I wish I could get a prize this time, but I expect to fail just as I always have. Don't you think so?

School begun two weeks ago, but we have a good teacher so I don't mind anything but the test.

I wish you could have seen the flowers we had before Jack Frost came, they were so pretty. We had asters,



Leal D. Parker, Rochester, Michigan, and His Pet Lamb.

verbenas, cosmos, goldenglow, pinks, bachelor-buttons, zinnias and marigolds.

But west of our house we have a pine grove and east of it is some of the flowers and American Beauty roses. Peach trees and a snowball bush are there, too. With love, your niece, Helen Paul, Stockbridge, Mich.

It isn't much use in trying contests if you expect to fail, for you are very likely to, then. I would like to have visited your flower garden before Jack Frost did. It has been quite a time since I heard from you.

Dear Uncle Frank:

Am I welcome, too, among your nieces and nephews? I live on a farm of eighty acres. I am thirteen years old. We have four cows, four mules, one horse, and one pony. But, our pony is cute, he will walk up the steps, take things out of our pockets, and when papa is milking he comes into the barn and takes papa's hat off and sometimes nips him. He is so fat that our pony saddle will not fit him.

Well, my letter is getting kind of long, so good-bye until another time, that is, if I may. Your niece, Alice Parsons, Dimondale, Mich., RR. 2.

Sure you're welcome. Come again when you can. That pony must be very interesting. If he gets much fatter you'll have to give him some anti-fat.

Dear Uncle Frank:

I have been too busy to write to you and the pals, but I hope you haven't forgotten me.

This summer when papa was lame I drove the team, and he and I put thirty-eight acres of hay in the barn. I think that that was the work which made me sweat most.

Our housekeeper had left us just before it was time for school to commence, so daddy and I were left alone. I have been doing the housework and walking two and one-half miles to school each day so you see I have had plenty of exercise. But I was getting along fine until last week Wednesday morning I ran out doors at half-past five and slipped on some frosty boards and sprained my right ankle very badly. It is some better now, but, of course, I have to keep quiet. And when I have to walk I do so with a chair. I have had twenty-six callers since I got hurt. So you see I have quite a host of friends and am not worrying about getting lonesome.

It is very hard for papa now, for he has to work inside and out and wait upon me besides.

Well, that is almost enough woe, for if I do not stop being sad you won't want me to come to your happy circle again.

I raised one hundred chickens this

summer (Plymouth Rocks) and I have a flock to be proud of. For pets I have two kittens named Graykins and Susie, but all of the farm animals are my friends. We have four horses, six cows and sixty-eight hogs, big and little, and four head of young cattle, one of the latter is a new arrival and is as white as milk, and seventy-seven head of sheep.

Now, I will cease my scribbling and close by saying that I hope this isn't too long so that it will rob others of space.

I am, as ever, your pal, Elva McClintic, Homer, Mich.

You certainly have had enough to keep you busy but, you know, business and happiness often go together. In one sense of the word, you are not exactly having a swell time with that ankle. I hope it gets well quickly.

Dear Uncle Frank:

I am thirteen years old and I am in the freshmen in the ninth grade at high school. I am taking the following subjects: agriculture, botany, algebra I, ancient history and English I. Also chorus, for I always liked musical instruments and songs.

I live on a 160-acre farm and I have a dog and some cats and kittens for pets.

We have an orchard and I wish you could enjoy eating some of the apples so they would not be wasted and rotten. The pigs get the rotten ones.

My father keeps thorough-bred Brown Swiss cows and O. I. C. swine. He has nine Swiss cattle and about thirty hogs. He took the cattle and hogs to the fair at Ionia last year and this. He raises field pumpkins for the hogs and I have just one pumpkin, which is the biggest in the patch. I can just reach around it and I am going to have it for Hallowe'en and I will write you afterwards about it and what fun I had on Hallowe'en.

Well, I will close because I am afraid you will not want me to call again if I take up so much space. Your new nephew, Culmer W. Peterson, Ionia, Michigan.

Yes, I, too, wish I could help to keep those apples from getting rotten. But,



Dorothy Tansley, Age Twelve, Grand Ledge, and Her Sister, Nine Years.

then, if I did the pigs would not have so many. Tell us what you did with that pumpkin, Hallowe'en.

Dear Uncle Frank:

As I won a prize two weeks ago I am sending in my solution of the Read-and-Win-Contest. No. 5 got me guessing for, while I found the article very easily, the dealers say roasters and the question says roosters. Perhaps you made a mistake of one letter, for not all roasters are roosters and not all roosters are roasters. Many thanks for the check for one dollar. Sincerely yours, Louise M. Hodge, Morrice, Mich.

I stand corrected on the "roaster-rooster" matter. You are entitled to a compliment because you were the only one of many hundreds who mentioned it. Undoubtedly you are a careful reader.

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1293 FULTON BUILDING :: PITTSBURGH, PA.

Mention The Michigan Farmer When Writing Advertisers

THE REBUS WINNERS.

So many had the correct answer to our Rebus, and had it neatly written, that we had to use the "draw" method of selecting the winners. Over three hundred letters were selected for the drawing, because of their correctness and neatness. They were all mixed up in a basket and the ten below were the fortunate ones to be drawn by a disinterested person.

Pencil Box:

Warren E. Bond, Pierson, Mich.
Howard Ringelspau, Petersburg, Mich.

Clutch Pencil:

Alta L. Downey, Owosso, Mich., R. 8.
Helen Lawson, Clarkston, Mich.
Sophia M. Rutkowski, Wallace, Mich.

Map of World:

Esther Rhine, Harbor Springs, Mich.
Russell Newstead, Traverse City, Mich., R. 2.
Florence M. Ludlum, Saginaw, W. S., Mich., R. 4.
Myrtle Coleman, Hastings, Mich., R. 5.
E. A. Wilse, Buffington, Rushton, Mich., R. 2.

I presume everybody knows the answer to the rebus, but it is printed here for the benefit of those who may have doubts as to their interpretation of it:

Friends, if you don't make them you can't expect them to make you.

Look Out for the Bogey Man

HALLOWE'EN is the season for the goblin kind of stories, and I think we want to keep in season. So this time we will try a ghost story contest. Send in the best ghost story you know, making it not longer than two hundred words in length. The two most bogeyish or ghostliest stories will each receive a Michigan Farmer pencil box. The next three prizes will be handsome clutch pencils and the next five, Michigan Farmer maps of New Europe and the World. The contest closes November 2. Address your stories to Uncle Frank, Michigan Farmer, Detroit, Michigan.

RURAL HEALTH

By Dr. C. H. Lerrigo

ITCHING ON BODY.

I have a troublesome itching at times on the body. Sometimes it will be a little red like on the skin; that is in the summer. It is a miserable feeling. When I use oil or any fat I get a kind of itching on the left side at the lower rib. What can I do to get relief or cured?—C. A.

This suggests a good many things. Fats are obnoxious. Very well, look to your liver. Cut out fats and sugars from your diet. Starve yourself a little if you have enough weight to be able to spare some. Drink milk freely but let it be skim-milk or buttermilk. Drink plenty of water. Be sure that your bowels are active. No one thing is so apt to cause itching eruptions as constipation. It will pay you to have an examination made of your urine, giving special attention to the presence of sugar. It does seem as if this little question had stirred up a multitude of possibilities, doesn't it? That is exactly the situation. These trifling symptoms so often are signals of organic trouble somewhere.

Very often the best thing I can do for you is to remind you of this and get you started to the nearest medical authority for a careful examination. It may save you a decade.



Who Whipsaws the Farmer?

Practically every farmer who is doing business in America today is up against a situation which is taking a large part of his legitimate profits.

Whatever you raise—hogs, wheat, corn, eggs, beef, dairy products, garden stuff—you're fighting against disorganized market conditions, erratic public taste, manipulation, and the lack of the effective cooperation which might whip the business of farming into line for real profit.

No wonder the farmer works long hours every day only to find a slim bank balance (if any) at the end of the year—even this year with bumper crops!

BIGGER PROFITS ARE POSSIBLE

In a new series, starting at once, *THE COUNTRY GENTLEMAN* takes up this problem. Fifty trained investigators are going over the whole business of farming, point by point, crop by crop, and the result of their investigation will be published in the next thirteen issues.

This is no muck-raking campaign that makes a lot of noise and gets nowhere. No rehash of the old stuff—no mere theorizing, but a straightforward, thorough analysis of what is happening today in farm markets, and the remedies that are being devised by practical and successful farmers.

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Mr. Lee is author of a score of books on poultry, having a distribution of more than TWENTY MILLION copies. He considers as best of all, his latest book "POULTRY TROUBLES"

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FREE

ROYAL SPIRAL POULTRY LEG BANDS
tell the age of poultry. Supplied in colors, Red, Blue, Green. Prices: 60 for \$1.00. 100-\$1.50. 250-\$3.50.
CHAS. L. STILES, Dept. 8 Columbus, Ohio

POULTRY

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This space belongs to Simon Harkema and Sons. Breeders of American-English Strain of S. C. W. Leghorns.

Chicks, Pullets and Breeding Cockerels in season. Sold out for season of 1922.

Simon Harkema and Sons,
Holland, Mich.

JUST-RITE Baby Chicks LOOK!

A Hatch Every Week All Year
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FINE HAY POULTRY FARM, Holland, Mich.

Poultry

SIMPLE HOPPERS AND HOLDERS.

THOUGH quickly made of low-cost materials at home, the equipment of mash hoppers, grit and shell holders, water containers and the like, can still be as practical as any purchased equipment. One simple type of hopper is a small shallow box, across the top of which slats are nailed at intervals. If tools and materials are handy, it can be made in not much more than fifteen minutes. Another style endorsed by side-line poultry keepers is made of a box three inches deep and two inches wide by thirty-six inches long, or similar proportions. A piece of half-inch mesh poultry wire, cut to fit the box and placed on the mash, prevents the hens scratching the mash out.

If either of these hoppers is left on



Geo. Caball and Irish Lady, Leader in Missouri Laying Contest, 241 Eggs to August 31.

the floor, it will be necessary to clean it out occasionally, as the hens will likely scratch pieces of litter into it. It is well sometimes to mount the hoppers on platforms, in which case the water pan, a container four inches or so deep, should be firmly attached on an extension.

Still another style of successful mash hopper is made with a rather wide eighty-quart wooden pail. With one pail in an upright position, a second, or a piece of suitable wire, is attached at right angles to it, upright, and the two are lashed together at the top. This bail arrangement prevents the hens perching on the rim to eat.

For charcoal, grit and oyster shell, a rather shallow small box, divided into three compartments and attached to the wall, will do. Or another practical way is to use three large tin cans, bending back the top edge and nailing the cans to the wall a little off the floor. The latter idea, modified, can be used for water. A flat-sided pail should be obtained, and a hole made, near the top, with which to hang it over a nail in the wall. A round pail thus hung would give trouble.

Poultry house "furniture" gets out of order and wears out. Take the time occasionally to clean things up and renovate. Ship-shape equipment cheers the hens and cheers the poultry keeper.—J. F. Bartlett.

FEEDING LAYING HENS.

I am feeding one quart of ground corn, one quart of ground oats, two quarts of wheat bran, one quart 16.50 per cent protein dairy feed, all mixed together and wet just so it is moist. I feed this in the morning and feed soaked oats at night. I soak it for

twenty-four hours before feeding it. This is what I feed to fifty hens, but they don't seem to lay just as I would like to have them. I have Brown Leghorns and I want to keep 100 this winter and would like to have the most of them lay. Is the feed I fed all right?—H. F. S.

A laying hen requires about four ounces of feed per day. This should be equally divided between scratch feed and dry mash. Trouble will be experienced in encouraging the birds to consume an equal proportion of scratch and mash unless the feeding practice so regulates the amount of scratch feed given that the hens will consume the mash to satisfy their appetites. A light feed of equal parts of cracked corn and wheat in the morning, and a heavy feed of two parts corn and one of wheat in the evening, is recommended. The dry mash, consisting of equal parts by weight of bran, middling, cornmeal, ground oats and meat scrap should be before the hens at all times. Green food should be provided at least once a day. The most palatable form of green food is sprouted oats; however, mangels, cabbage, etc., could be used as a substitute. The green food usually has a tonic effect on the hen and increases the appetite of the fowl; therefore, green food should be fed preferably in the morning to stimulate the appetite of the bird. Grit and oyster shell should, of course, be before the birds at all times.

The common grains fed do not contain enough calcium carbonate to provide lime material when the hens are in heavy production and the most available form of calcium carbonate can be supplied in feeding oyster shell. Oats are an excellent feed, but are not quite as palatable as either corn and wheat. It is usually advisable to soak, germinate, or sprout the oats to increase the palatability of the grain. Oats have a higher feeding value when sprouted for three or four days.

The above ration is being recommended by practically every agricultural institution and has become a standard ration for a majority of the egg-laying contests. If the birds do not respond to this feed either the breeding or other environmental factors which influence production will need consideration.—E. C. Foreman, Professor Poultry Husbandry, M. A. C.

TURKEY WITH SWELL-HEAD.

One of my turkeys has for the past three months had a large swelling under the eyes and on both sides of the bill. Some days the swelling will be puffed up more than usual. It seems to be contagious, as I notice one of the other turkeys has a swelling just started. These turkeys seem to be growing, do not appear sick, and eat well. What is the trouble, and what can we do for it?—T. W.

When turkeys have the disease known as swell-head the swelling contains a gelatinous substance. Sometimes the swellings disappear or remain and become filled with cheesy pus with a bad odor. The swelling must be drained and the bird treated similar to a case of roup in hens. Try using zenoleum as a wash and use it according to directions on the can.

The Michigan egg-laying contest will start November 1. This contest will be held at the college where especially constructed coops have been built. These coops have a capacity for a hundred pens which have already been spoken for by contestants.



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We yet have a few hundred Pullets in Leghorns, Barred Rocks, White Wyandottes and Orpingtons. The most of these Pullets are now near laying age and should be put into winter laying quarters soon. If you want a flock of winter layers, write to us now. Also Cockerels, Bronze Turkeys, Toulouse Geese and Pekin Ducks.

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Hatching eggs, \$1.50 per setting to \$15.00 per 100. We are listing 17 varieties of pure bred fowls; Chickens, Geese, Ducks & Guinea, also breeding stock. Send for prices and circular. Booking now for early delivery. **CLINTON HATCHERY & POULTRY FARMS, Wilmington, Ohio.**

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200 Single Comb Red pullets at \$2.50 to \$5 each. Also Cocks and Cockerels of both combs. From stock blood tested for bacillary white diarrhoea. Write for catalog. Interlakes Farm, Box 39, Lawrence, Mich.

Cockerels, year old hens. S. O. W. Leghorn Barron's strain. Order now while they last. Start right and get the best from trap nested stock with one record from 200 up to 278. **BYRON CENTER POULTRY FARM, Byron Center, Mich.**

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Lay 265 to 301 eggs per year. Winners at 50 shows. Chicks, eggs, pullets, hens and males shipped C.O.D. at low prices. Write today for catalog and complete information to the World's Largest Leghorn Farms. **GEO. B. FERRIS, 934 UNION, GRAND RAPIDS, MICH.**

PULLETS & COCKERELS

Now Four Months Old

WHITE LEGHORNS AND MOTTLED ANCONAS Also Black Leghorns, Brown Leghorns, Buff Leghorns, Black Minorcas, R. C. Rhode Island Reds, Barred Plymouth Rocks, White Plymouth Rocks, Silver Wyandottes, White Wyandottes. WE HATCH eggs from Hoganized flocks on free range on separate farms. Where our chicks are raised. Send for Price List.

CRESCENT EGG COMPANY
Allegan Michigan

RHODE ISLAND WHITES
win over all breeds at the egg laying contest. 30 eggs \$5; 50 \$8; 100 \$15 order from this ad. Some chicks H. H. JUMP, R. 5, Jackson, Mich

S. C. White Leghorns
Cocks and Cockerels
RALPH S. TOTTEN, Pittsford, Mich

Single Comb Buff Leghorn
Early hatched ecls. Willard Webster, Bath, Mich

Dairy Farming

MILK PRODUCERS ELECT OFFICERS.

AN amendment to the constitution changing the method of electing officers was the only business of note transacted by the Michigan Milk Producers' Association at its annual meeting on October 17 at Michigan Agricultural College. Under the new system the officers are to be chosen by the directors instead of being elected directly by the delegates.

The new board of directors consists of N. P. Hull, of Lansing, John C. Near, of Fat Rock; W. C. McKinney, of Davisburg; W. J. Barnard, of Paw Paw; Horace Norton, Sr., of Howell, and J. J. Brackenberry, of Bad Axe. During the year just closed Mr. Hull was president, Mr. J. C. Near was vice-president and Mr. Norton was treasurer.

A resolution endorsing the tuberculin test for cattle was the only one to be adopted. President David Friday, of M. A. C., was the chief speaker of the day. He enlarged upon his program, previously announced, of more efficient dairy production through the elimination of the unfit and the use of better feeding methods.

Except for some heated remarks by Mr. Barnard bearing on the price of milk, the session was harmonious throughout. That gentleman's protestations came as a result of his nomination for re-election to the board of directors.

The committee on sales, it was announced, will continue the campaign to dispose of milk to Detroit dealers at a price fair to both consumers and producers.—H.

THE HOWELL HOLSTEIN SALE.

THERE were \$13,310 paid for pure-bred Holsteins at the ninth public sale of the Howell Sales Company, of Livingston county last Thursday. A good crowd showed up and the bidding was fairly active, although the average price of \$144.67 for the ninety-two head was below what the quality of the stock merited. Had many of these animals been in better sale condition, no doubt the receipts would have been larger. Col. J. E. Mack cried the sale, while S. T. Wood was in the box.

Sixty-nine cows passed through the ring at an average of \$144 per head. Five of these were struck off above the \$200 mark. The Michigan Reformatory at Ionia paid \$310 for Sunlight Grant of Clover Nook, a splendid six-year-old cow out of a twenty-seven-pound dam and sired by Calamity Traverse Lad. This cow was consigned by Guy Wakefield, of Fowlerville. Trixy Segis Pieter, three-year-old consigned by Musolf Brothers, of South Lyon, was sold to W. H. Warnett, of Plymouth, also for \$310. She is from a twenty-six-pound dam and sired by King Pieter Segis Lyons, who has twenty-three A. R. O. daughters. Fanny Calamity Walker, a five-year-old cow offered by Munsell & Satterla, of Howell, went to the Michigan State Prison at Jackson for \$295.

Eleven yearling heifers sold at an average of \$130.45. Two of these went above the \$200 mark. A. Killinger, of Fowlerville, bid off a beautiful daughter of Maple Lane Butter Maid, a thirty-pound cow, and from Flanders King Pontiac Johana. Six calves averaged \$85 each.

Six sires were sold in the sale. These brought an average of \$237.50. The herd sire, King Segis Lyons Butter Boy, consigned by Wm. I. Griffin, of Howell, topped the sale at \$400. J. R. Crouse, of Howell, being the buyer. This splendid animal is a son of Rosa

Mercedes Butter Boy who won first place over all cows at Syracuse in 1921. H. W. Norton, of Howell, paid \$350 for Ona Hengerveld Lad whose sire is by King Ona, a son of Maplecrest Pontiac Hartog, who in turn has five sisters with records above twelve hundred pounds of butter in one year. This bull was also consigned by Mr. Griffin.

THE COPLAND HOLSTEIN DISPERSION SALE.

THE most successful pure-bred sale we have yet attended this year was that of Alexander W. Copland, at Strawberry Hill Farm at Birmingham. Possibly one reason for the way buyers took hold was that this stock was put in good shape for the ring. While it no doubt should be otherwise, the fact remains that when an animal goes into the sale ring, fitted according to modern ideas, it invariably sells at a higher price than it does if just taken from the field.

The forty-nine animals at this sale brought \$8,475, or an average of \$173 per head. The thirty-two cows were bid off for a gross total of \$6,205, or \$194 each. Two of these animals sold for \$400 per head. One was Strawberry Modle Korndyke out of the twenty-eight-pound cow, Anna Homestead Modle Korndyke, and sired by Hardy Pontiac Segis, a grandson of the King of the Pontiacs. The other was Princess Edna Tehee DeKol, a seven-year-old sired by King Tehee Fayne and a great granddaughter of King Segis.

Eight yearlings crossed the platform for a total of \$1,050, or an average of \$131.35. Eight calves brought a total of \$1,170, or an average of \$146.25. The average for the calves was considerably increased through the sale of another daughter of Anna Homestead Modle Korndyke for \$315. The only male sold was a seven-month-old calf which brought \$50. The sale was most ably auctioneered by Col. J. E. Mack, with S. T. Wood, the pastmaster in Holstein pedigree lore, in the box.

STANCHIONS IN "MODEL STALL."

Years ago you gave me the measurements to build the model stall. Now the Detroit City Board of Health tells me that I must have stanchions. So I am coming to you again to tell me how I can preserve the good qualities of the model stall and at the same time comply with the rules of the board of health. Can I place a stanchion in the old stall and make it work? I have had clean cattle ever since I have had the stall, and hate to part with that part of it. Can you assist me? I have thirty days to do it in.—E. F. C.

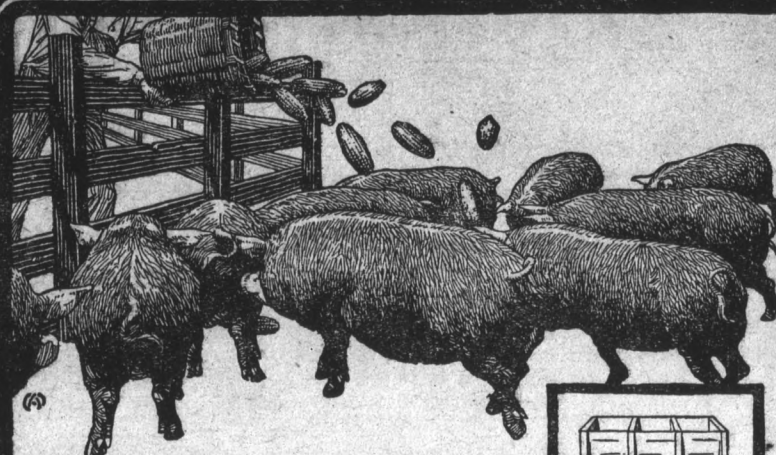
I do not see how you can place a stanchion in the model stall. Stanchions do away with your hay manger entirely, and the principle is entirely different. With the stanchions, the cows must be lined up at the gutter, but with the model stall, they are lined up at the manger.

If the Detroit Board of Health insists on stanchions, I think you will have to tear out your stalls entirely. It is unreasonable for the board to compel you to do this, because you can keep cows just as clean and produce just as clean milk with the model stall as with stanchions. Besides, the stall gives the cow much more liberty and comfort than the stanchion.

I know of several parties producing certified milk who use the model stall.

Says Sam: So long as nobody takes much stock in picnic speaking, I guess the country's safe.

The heavier, the hotter, when it comes to firewood. Hickory, oak, locust, beech and ash give good heat.



CROWD your HOGS for the EARLY MARKET

Keep them healthy—
Free from worms—
Their bowels active—
Fit for thrift.

Feed

DR. HESS STOCK TONIC

Conditioner—Worm Expeller

It contains Tonics—That give a hog a healthy appetite—keeps his digestion good.

Vermifuges—To drive out the worms.

Laxatives—To regulate the bowels.

Diuretics—To help the kidneys throw off the poisonous waste material.

No clogging of the system under the pressure of heavy feeding, where Dr. Hess Stock Tonic is fed.

Little chance for disease—every reason for thrift!

Tell your dealer how many hogs you have. He has a package to suit. GUARANTEED.

25-lb. Pail, \$2.25 100-lb. Drum, \$8.00

Except in the far West, South and Canada.

Honest goods—honest price—why pay more?

DR. HESS & CLARK, Ashland, Ohio



I spent 30 years in perfecting this Tonic.
GILBERT HESS
M.D., D.V.S.



Dr. Hess Dip and Disinfectant Kills Hog Lice

HOW DO YOU TIE YOUR COWS?



The Porter Fig. 15 Stanchion illustrated here is made with the patented cow-proof latch. Strong—durable—sanitary. Costs less than you think. Write for prices stating how many you might need. Nearly every farmer needs a

Fig. 668 Porter Litter Carrier

No obligation involved if you want estimated cost of a litter carrier installation—just send rough sketch of barn with dimensions.

If you are re-modeling an old barn ask for BOOK No. 64.

J. E. Porter Corporation
782 Guion Street : Ottawa, Illinois

PORTER
"Dependable Since Sixty-Eight"

EASIEST RUNNING MILL MADE

Kelly Duplex Mills require 25% less power, do as much, or more, work as any other mill of equal size. Grind ear corn, shelled corn, oats, wheat, kaffir corn, cotton seed, corn in shucks, sheaf oats or any kind of grain. For speed and complete grinding the

KELLY DUPLEX Has No Superior

Easily operated. Never choked. 7 sizes. Fully guaranteed. Any power. Especially adapted for gasoline engines.

DUPLEX MILL & MFG. CO., Box 308, Springfield, Ohio



ABSORBINE

TRADE MARK REG. U.S. PAT. OFF.



will reduce inflamed swollen Joints, Sprains, Bruises, Soft Bunches; Heals Boils, Poll Evil, Quittor, Fistula and infected sores quickly as it is a positive antiseptic and germicide. Pleasant to use; does not blister or remove the hair, and you can work the horse. \$2.50 per bottle, delivered. Book 7 R free.

ABSORBINE, JR., the antiseptic liniment for mankind, reduces Painful Swollen Veins, Wens, Strains, Bruises; stops pain and inflammation. Price \$1.25 per bottle at dealers or delivered. Will tell you more if you write. Liberal Trial Bottle for 10c in stamps. W. F. YOUNG, INC., 268 Temple St., Springfield, Mass.



5¢ A DAY for 90 rainy days is the price of a

FISH BRAND REFLEX SLICKER

Only \$4.50 to keep dry on the job. TOWER'S FISH BRAND

AT DEALERS EVERYWHERE A. J. TOWER CO. BOSTON

POULTRY

R. C. Br. Leghorns, Pekin Ducks, W. Chinese Geese, both mature and young birds. Mrs. Claudia Betts, Hillsdale, Mich.

WHITE WYANDOTTES

207 egg average. Eggs all matings, \$2.00 per 15, \$10.00 per 100. Cockerels, hens and pullets \$5.00 each. FRANK DELONG, R. 3, Three Rivers, Mich.

Bred-To-Lay White Wyandottes

Special sale of cockerels from 200 egg hens for \$5.00 if taken early. EVERGREEN POULTRY FARM, Blanding & Sons, Greenville, Mich.

We have them. Order your Bourbon Red Turkeys Birds and Eggs now. SMITH BROS., R. 3, Augusta, Mich.

BREEDERS' DIRECTORY

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



Edgar of Dalmeny George Henry

5 Grand Champions
28 FIRSTS

and other prizes. Such was the remarkable performance of our animals at the 1922 Michigan State Fair. What could be better proof of the unvarying quality of our animals or more representative of the ideal for which we have striven? Our success is the natural culmination of our efforts and our reward for years of careful and costly breeding. Ours is symbolic of the best. Mediocrity is not tolerated.

Our success can also be yours. Our young animals are the finest examples of breeding and will do much to improve your herd. Get the blood of the King of Sires **EDGAR OF DALMENY** into your herd and you will have individuality, distinction and quality. The services of our Grand Champion Stallion, **GEORGE HENRY** are available. Your correspondence and inspection are invited.

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

Registered Aberdeen-Angus cattle. Two bulls from eight to eleven months old. One a show bull, large and growthy. Priced reasonable. Inquire of F. J. WILBER, Clio, Mich.

FOR SALE. Several registered Aberdeen-Angus bulls and heifers of various ages. LANG BROS., Davison, Mich.

Whitney Farms Guernseys
Our 3-year old herd sire, Violet's Cherub of Homestead 6285, will be sold at a sacrifice. An exceptionally good individual sired by Pine Blossom's Cherub, 1st Prize Dairy Cattle Cong. and National Dairy Show 1917, a son of Imp. Hayes Cherub 2d, 1st Prize and Grand Champion Dairy Cattle Congress and National Dairy Show 1913-15-16. First \$250 takes him. **WHITNEY FARMS, Whitney, Mich.**

Registered Guernseys
Another crop of calves. Choice bull calves \$75, their breeding and records will please you. J. A. WILLIAMS, No. Adams, Mich.

Guernseys: One bull ready for service and some choice young bull calves from good producing cows at farmer's prices. All sired by grand-son of Imp. King of the May. Herd tuberculin tested and free from abortion. **MEADOW-GOLD GUERNSEY FARM, R. 8, St. Johns, Mich.**

GUERNSEYS - REGISTERED BULL Calves. Containing blood of world champions. A. R. cows. Federal inspected. **HICKS' GUERNSEY FARM, Saginaw, W.S. Mich.**

GUERNSEYS
3 fine heifers, 1 bull, all registered, \$400, if sold this month. W. W. BURDICK, Williamston, Mich.

GUERNSEYS pure bred bulls, high grade females, all ages, for sale. J. R. FRANK, Calumet, Mich.

Guernsey Bull ready for light service. Bred heifer. Yearling heifer. Adv. Reg. breeding. Free from disease. G. A. Wigent, Watervliet, Mich.

For Sale 5 Register Guernsey cows A. R. record also bulls. Write or come. **JOHN EBELS, R. 2, Holland, Mich.**

For Sale 4 Reg. Guernsey heifers, May Rose sire, his 5 nears average 725 lbs. fat. \$125 each. **E. A. BLACK, Howard City, Mich.**

For Sale 15 Grade Guernsey Cows. A. HATT & SON, Napoleon, Mich.

WINNWOOD HERD

Registered Holsteins

?

Ask us about a Real Bull a
Maple Crest or an Ormsby.

JOHN H. WINN, Inc., Rochester, Mich.

The Traverse Herd

We have what you want in BULL CALVES, the large, fine growthy type, guaranteed right in every way. They are from high producing A. R. O. ancestors. Dam's records up to 30 lbs. Write for pedigrees and quotations, stating about age desired.

TRAVERSE CITY STATE HOSPITAL
Traverse City, Mich.

Holstein Friesian heifer and bull calves, purebred registered and high-grade. Price \$20 up. Splendid individuals and breeding. Write us your requirements. Browncroft Farms, McGraw, N. Y.

For Sale King Segis Breeding
Bulls of show type that are out of A. R. O. Dams.

Grand River Stock Farms
Cory J. Spencer, 111 E. Main St.
JACKSON, MICHIGAN

Shorthorn Sale

36 HEAD 36

22 Cows, 6 Bulls, 8 Calves

Scotch, Bates and Scotch Toped, some real good Individuals and some extra good milkers.

This sale will be held at
The Fair Grounds, Charlotte, Mich.

by

The Eaton Co. Shorthorn Breeder's Association

Wed. Nov. 1st, 1922

At 12 o'clock Noon

For Catalogue Address

Ira P. Zimmerman, Dimondale, Mich.

Auctioneers: A. J. Adams, G. T. Pinch.

Yearling Bull, \$100

Pure bred, registered, federally tested. Dam, a 15 lb. 3 yr. old daughter of King Segis Pontiac, 37 lbs. Good individual, mostly white. Guaranteed healthy. Priced to sell quickly. Pedigree on request. **ALBERT G. WADE, White Pigeon, Michigan.**

Reg. and high grade Holstein cows and heifers due to freshen this fall, priced reasonable. Bulls all ages priced to sell. **B. E. REAVEY, Atron, Mich.**

A Good Note accepted in payment of finely bred registered Holstein bull calves. Quality of the best, and at prices within reach of all. Write **GEO. D. OLARKE, Vassar, Mich.**

For Sale a semi-official daughter of Maple Crest Korn. Hengerveld. Federal tested, also a few granddaughters from 1 to 3 yr. old. Terms if wanted. **M. L. McLaughlin, Redford, Mich.**

What are You Going to Feed this Winter?

EARLRIPE HEREFORD BEEF PRODUCTION has proven very profitable to scores of producers as it will to you once you undertake it. If you are FIGURING ON feeding cattle this winter it will be to your interest to consider the three different ways of making a start toward "Earlripe Hereford Beef Production." IF IT IS YOUR DESIRE to feed better cattle and increase the returns from your farm we cordially invite your most careful investigation of the Earlripe Hereford Beef System of marketing thru the Detroit Packing Company and Sotham Auction Sale plan. A system that gives better benefits from producer to consumer. Write for Earlripe Hereford Beef Booklet.

Registered Hereford Bulls and cows with calves; also grade Hereford cows with calves for sale at reasonable prices. Terms to responsible purchasers.

T. F. B. Sotham & Sons
(Hereford Cattle Business Established 1835)
St. Olair, Mich. Phone 250

HEREFORDS

For Sale at Farmer's prices.
5 yearling bulls 8 yearling heifers
10 of the above sired by our \$5200 Repeater bull. We have others not related. This is an opportunity to start in good stock at a moderate price.

ALLEN BROS.
616 So. West St., Kalamazoo, Mich.

HEREFORDS for sale. A few extra good fall calves for sale. **RALPH CALHOON, Bronson, Mich.**

Polled Herefords, for sale three young bulls and some females. **GLEN GOLDEN, Angola, Ind.**

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

Registered Jersey Cattle. Some young bulls for sale, ask for pedigree. I would spare a few cows to freshen soon, records kept. Herd accredited. **J. L. CARTER, Lake Odessa, Mich.**

For Sale: Jersey bulls ready for service, cows and heifers due to freshen soon. All cows Register of Merit. Accredited herd. **SMITH AND PARKER, R. 4, Howell, Mich.**

OR Sale registered Jersey Cows, some due to freshen now, one bull two years old and bull calves. **O. H. FRENCH, Marian, Mich.**

Lillie Farmstead Jerseys For sale, 12 heifers bred to freshen this fall, 8 bull calves, 6 to 9 mo. old. **Colon C. Lillie, Coopersville, Mich.**

Jersey Bull Calves 7 mos. to near yearlings strong in St. Lamberts. T. B. tested. **H. HALSEY, Homer, Mich.**

Jersey Cattle Young stock for sale. Accredited herd. **F. L. BODIMER, Reese, Mich.**

BIDWELL SHORTHORNS

that will put weight on your dairy calves - the difference will soon pay for the bull. Now selling good Scotch and Scotch-topped yearlings, reasonably priced. We guarantee every animal to be a breeder. Federal Test. One hour from Toledo, Ohio. N. Y. C. R. R.

BIDWELL STOCK FARM,
Box D, Tecumseh, Michigan

Milking Shorthorns priced reasonably. An accredited herd selected for beef and milk. **Beland and Beland, Tecumseh, Michigan**

Central Mich. Shorthorn Breeders' Assn. offer for sale both milk and beef breeding, all ages. Write **M. E. MILLER, Sec'y, Greenville, Mich.**

FOR SALE

Polled Shorthorn Cows & Heifers in calf and calf by side. Also a few young bulls. Herd headed by Victor Sultan and Royal Nonpareil.

We can please you in richly bred cattle with quality at farmers' prices.

GEO. E. BURDICK, Mgr.
Branch County Farm, Coldwater, Mich.

Shorthorns for sale. ENTIRE herd just passed State Tuberculosis test. **J. A. BARNUM, Union City, Mich.**

RICHLAND SHORTHORNS

We are offering two splendid white yearling bulls by Imp. Newton Champion and a few extra good heifers and young cows at very attractive prices. For full particulars write to

C. H. PRESCOTT & SON,
Herd at Prescott, Mich.
Office at Tawas City, Mich.

Milking Shorthorns Bull calves for sale. Also 2 cows. **ROSEMARY FARMS, Williamston, Mich.**

Clayton Unit Shorthorn Breeders' Assn. Scotch, Scotch Top and Milking Shorthorns for sale all ages. W. J. Hinkley, Sec'y, Flushing, Mich.

Milking Shorthorn Bull Calf, 1 mo. old, roan for \$25, also 2 cows. **IRVIN DOAN & SON, Crosswell, Mich.**

Polled Shorthorns. Milking strain Bulls and Heifers, three mos., also ten mos. old. Get Prices. **FRANK BARTLETT, Dryden, Mich.**

HOGS

Collinsdale Duroc Farm, Lyons, Mich., R. 1.
Greatest Blood Lines in Duroc Hogs

Herd Boars by Great Orion Sensation, Pathfinder, Duration and Great Wonder I Am. Now have for sale three yearling boars by Wolverine Sensation. For sale at all times, sows, gilts or boars registered. Sold under a positive guarantee and worth the money. Write for prices, **L. A. BURHANS, OWNER**

Woodlawn Farm Duroc Hogs
A well kept herd, best of blood lines, with size and breeding qualities, stock of all ages for sale at reasonable prices. **W. E. BARTLEY, Alma, Mich.**

Reg. Duroc Jersey Swine
Spring and Fall Boars of quality sired by 1921 Mich. Grand Champion and Grandson of Scissors, World's 1917 Gr. Champion. **Spring, Fall and yearling sows of above breeding. open or breeding privilege to the undefeated boar pig at 1922 Fairs, a son of Unique Sensation, World's 1921 Junior Champion.** Personal inspection invited. **F. HEIMS & SON, Davison, Mich.**

Duroc Fall Yearling and spring boars. Some real herd prospects sired by O. O. K. Col. 2nd. All Col. of Sangamo and Diamond Joe. Priced to sell. Fall pigs either sex. Write for description and prices. **W. C. TAYLOR, Milan, Mich.**

Westvie Duroc Bred So's
all sold. Have two spring boars left at a reasonable price. Will book orders for April & May Pigs. **ALBERT EBERSOLE, Plymouth, Mich.**

Oakwood Farm offers choice gilts of Orion Cherry King and Walt's Top Col. breeding bred to Pathfinder Orion for Ang. and Sept. farrow. **RUSH BROS., Romeo, Mich.**

Duroc Jerseys We have a choice lot of spring boars ready for service. Will ship on approval. Satisfaction guaranteed. **F. J. DRODT, R. 1, Monroe, Mich.**

DUROCS of Sensation and Pathfinder blood lines. A fine farm, satisfaction. **MOHIGANA FARM, Pavilion, Mich.**

FOR SALE: 20 extra good spring boars, Hastings, Mich. **CARY U. EDMONDS,**

Duroc - choice lot spring boars, sired by Great Duration, Brookwater Satisfaction 8th and Greater Orion King. **Norris Stock Farm, Oasnovia, Mich.**

FEEDERS BROUGHT FREELY.

FEEDER purchases in the twelve leading markets in the week ending October 6 were the largest of the season and twenty per cent larger than in any previous week this year or in the two preceding years, adding more evidence that this year's total will be the largest in years if the present pace is maintained a few weeks longer. Some fleshy feeders are going out but most buyers show partiality to light steers on the stocker order.

HOGS TRENDING LOWER.

RECEIPTS of hogs declined slightly during the week of October 6, but were equal to the highest on record for that week in previous years. New crop hogs, many of them under-finished, were numerous so that weight qualifies for a premium and the price spread has narrowed sharply. Eastern markets are but little higher than Chicago, so that shipping demand is negligible.

Fresh pork prices were weak early but hardened toward the close and de-



Mr. Pope and a Francisco Farm Prize Porker. You Know Which is Which.

mand in general is broad. Foreign purchases are increasing as the stocks abroad are said to be light. Britain is able to pay for all she needs and Central Europe in spite of depreciated exchange is taking a fair quota.

Hog prices are apt to work lower until receipts are more nearly up to winter volume.

LAMB RUN LIGHTENS.

RECEIPTS of lambs declined during the week of October 6, in seasonal fashion, although the run was already far below normal for this season of the year. Dressed lamb prices sagged further but toward the close a return of strength was evident. Feeder lambs lost \$1.50 from the recent high point and are now at a slight discount below fat westerns. The total feeder movement from the twelve leading markets in the week ending October 7 was 170,401 head, the largest in several years but the total for the season to date is light and it is too late to expect a big pilgrimage to feedlots from this time on.

ARGENTINA MEATS GOING TO RUSSIA.

THE cooperative society, "Khlebo-product," of Russia, has purchased in Argentina 5,000,000 pounds of meat, for which purpose it has been allotted 500,000 gold rubles by the government. The remaining balance of the cost of the meat will be covered by exports of lumber and wine to Argentina. The transaction will be in the hands of the State Trade Department, according to a dispatch from Trade Commissioner Young, Riga, to the department of commerce.

The generous use of legume hay cuts down the amount of protein grains required to secure best feeding results.

SALE OF ADAMS, SHERK, LAUGHLIN & WOOD.

THESE young men over at Caledonia are live wires. They have been in the hog business only a few years but they are going strong. This is their second attempt to sell pure-bred Poland Chinas over the auction block. They are not highly elated over the results so far, but they are not the kind that easily give up, and are already planning for another sale next year. They presented a very respectable lot of hogs in just good growing condition, mostly spring pigs, and the prices ranged from \$15 to \$50. Many of the breeders were on hand from various parts of the state and picked off a few plums. The local crowd was not large but they realized it was their opportunity and quickly absorbed the bulk of the offering of over sixty head. Among the more generous bidders were the following: Wesley Hile, of Ionia; R. L. Bowen, of Woodland; Mr. Gardner, of Bradley; Wm. Anderson, of Alto; A. E. Dutcher, of Alto, and G. C. Garlick, of Woodland.

HILLSDALE SHORTHORN SALE.

AN auction sale of pure-bred Shorthorn cattle was held at the fair grounds in Hillsdale, Michigan, on the afternoon of Wednesday, October 18. The sale was held under the auspices of the Southern Michigan Shorthorn Breeders' Association; the offering was by consignment, the animals coming largely from breeding herds owned by members of the organization.

There were twenty-seven females, all of outstanding quality and many of them with calves by their side. The consignment included six fine young bulls, all ready for service. This was the sixth consignment offering made by this association and disinterested breeders, who have attended all of these sales, agree concerning the high average quality of the cattle; instead of putting in discards and animals which they desired to weed out of their herds, breeders have made selections from the most richly bred and the most perfect individuals in their herds. All of the cattle listed had been tested for tuberculosis and were guaranteed breeders.

The following is a list of the breeders who furnished the cattle: E. J. Frank, of Montgomery, Mich.; N. P. Bailey, Camden, Mich.; Fred N. Baker & Son, North Adams, Mich.; E. M. Steinniger, Three Rivers; G. P. Card, of Reading, Mich.; Gurn Baker, Jonesville, Mich.; H. M. Maloney, Hudson, Mich.; Jay R. Rogers, Morenci, Mich.; John Southworth, Allen, Mich.; Wm. D. McMullen, Adrian, Mich., and W. G. Osius, Hillsdale, Mich.

The following is a partial list of the breeders who purchased cattle at this sale: F. J. Webb, Paw Paw, Mich.; C. R. Potts, Cadmus, Mich.; Ed. Randall, Litchfield, Mich.; Isaac Eldridge, Hillsdale, Mich.; E. C. Wellington, of Springport, Mich.; Jay R. Rogers, Morenci, Mich.; E. N. Bohner, Pioneer, Ohio; C. O. Brott, of Morenci, Mich.; Kelly & Son, Ypsilanti, Mich.; E. W. York, Pioneer, Ohio; W. G. Weigle, Montpelier, Ohio; Minard Steinniger, Three Rivers, Mich.; Ed. J. Fix, Pioneer, Ohio; George Gill & Son, Ypsilanti, Mich., and Clyde Cady, Grass Lake, Mich.

When the high average quality of the cattle is taken into consideration, the prices realized look extremely low. The highest price, \$255, was paid by Minard Steinniger for a beautiful roan cow with a calf by her side; only one other sale was made above \$200. Andy Adams, of Litchfield, sold the cattle and Jim Post had charge of the work in the ring.

Equal parts of blue ointment, vaseline and lard smeared in a ring around the vent will rid hens of lice.

GENNESEE COUNTY HOLSTEIN BREEDERS FIRST SALE

AT FLINT, MICHIGAN

10 A.M. MONDAY, OCTOBER 30th, 1922

72 Head Selected Cattle

Sale will include cows with records up to 1200 lbs. butter and 30,000 lbs. milk in a year and up to 30 lbs. in seven days.

There will be heifers from dams up to 1000 lbs. in a year and 34 lbs. in seven days. Grand-daughters of Hengerveld DeKol and Friend Hengerveld DeKol Butter Boy. Daughters of King Ona, Maple Crest Korndyke Hengerveld, Flint Hengerveld Lad. Majority from herds under Federal Supervision. All tuberculin tested and guaranteed for sixty days.

Sale grounds on Dixie Highway at North City Limits. This is a quality sale and well worth your time.

For information address

H. G. SPILLANE, Clio, Mich. Sec'y Sale Committee

HOGS

Berkshires: Two young boars from Matchless Lee's Perfection, by Royal Charming 10th 290879, eight times grand champion boar in 1920. TALCOA FARM, R. 7, Lansing, Mich.

Duroc-Jerseys

Did you see our show herd? Senior, Junior, and GRAND CHAMPION Sow at both State Fairs, Bay City and Saginaw. 'Premier Champion Exhibitor' at Detroit!

Over 100 Ribbons won this year. Get our price on Second Prize boar pig at the State Fair. Other serviceable boars weighing over 200 lbs. for sale.

Write In Now!

LOEB FARMS
CHARLEVOIX, MICH.

"The Home of Grand Champions"

BIG TYPE CHESTER WHITES

The prize winner kind from the best prize winner bloodlines. Early developers, ready for market at six months old. I have started more breeders on the road to success than any man living. I want to place one hog in each community to advertise my herd. Write for agency and my plan. G. S. BENJAMIN, R. F. D. 10, Portland, Mich.

BROOKWATER DUROC JERSEYS

Ready for Service Boars

Sired by Panama Special 55th and Big Bone Giant Sensation. BROOKWATER FARM, Ann Arbor, Michigan. H. W. Mumford, Owner. J. B. Andrews, Lessor.

DUROCS

either sex of Orion breeding good quality, spring \$25 to \$35, few yearling gilts at \$40 and Holstein heifers. H. G. KEESLER, Cassopolis, Mich.

Duroc spring boars, gilts, summer and fall pigs for sale. Reasonable prices and satisfaction guaranteed. Jesse Bliss & Son, Henderson, Mich.

DUROC-JERSEYS

Do you want a good Pathfinder boar pig? E. D. HEYDENBERG, Wayland, Mich.

Chesters We are sold out of Boars. Choice spring pigs. For immediate shipment of spring pigs, write WEBER BROS., Royal Oak, Mich., 10 ml. and Ridge Rd., Phone 408.

Chesters We won a large percent of the blue and championships at four of the largest fairs in the state this fall, including Detroit. Our herd is headed by The Monster, one of the greatest big type boars of the breed and we have several spring boars from these prize winners for sale at reasonable prices. F. W. Alexander, Vassar, Mich.

Big Type Chester Whites. Spring boars and fall boar pigs sired by Hill's Big Buster, 3rd prize yearling at the 1922 State Fair. LUCIAN HILL, Tekonsha, Mich.

CHESTER WHITE BOARS

Prize winners, from prize winning stock, for sale at reasonable prices. F. L. Bodimer, Reese, Mich.

O. I. C.'s

Strictly Big Type with Quality. We have at this time a few right good spring pigs of either sex. Priced right. I bred more first prize winners at State Fair this year than any other breeder. Also bred both Grand Champions. NEWMAN'S STOCK FARM, R. 4, Marlette, Mich.

Registered O. I. C. Boars

O. I. C. 50 last spring pigs either sex not akin. Big growthy stock, recorded free, 1/2 mile west of Depot, Citz. Phone. OTTO B. SCHULZE, Nashville, Mich.

O. I. C. Gilts to farrow in Aug. and Sept. and March boar pigs. OLOVERLEAF STOCK FARM, Monroe, Mich.

Big type O. I. C. & Chester White spring boars from prize winning stock of the most popular bloodlines. I ship O. I. C. and register in buyers name, and guarantee satisfaction. John C. Wilk, R. 2, Alma, Mich.

O. I. C.'s. Spring gilts and service boars for sale. Prices right. A. J. BARKER & SON, Belmont, Mich.

O. I. C.'s. Spring pigs. Pairs not akin. Also July, August, and Sept. pigs. M. I. O. H. PETERSON, Elmhurst Farm, Ionia, Mich. Citz. Phone

Registered O. I. C. April Boars also July. O. I. C. Pigs. Shipped O. I. C. D. OHAS H. STEEL, R. 8, Eaton Rapids, Mich.

Registered O. I. C. Boars With quality. Alfred J. Patterson, DeWitt, Mich.

O. I. C. Boars and Gilts sired by 1921-1922 G. Champion at W. Mich. State Fair. GEO. M. WELTON & SON, Middleville, Mich.

Large Type P. C. A few spring yr. gilts bred for Aug. and Sept. farrow. H. O. SWARTZ, Schoolcraft, Mich.

P. C. Swine. Sows and pigs, sows bred for Aug. and Sept. farrow, spring and fall boars, best of breed, ing. satisfaction guaranteed. R. W. Mills, Saline, Mich.

Walnut Alley. Big Type, Poland China, the kind that makes good Boars and gilts ready to go. A. D. GREGORY, R. 3, Ionia, Mich.

Lone Maple Farm L. T. P. C. Match Boars and gilts ready. Prices reasonable, stock as represented. F. R. Davis & Son, R. 3, Belding, Mich.

Big Type P. C. Spring boars and gilts ready for new homes, also sows and pigs. CLYDE FISHER, St. Louis, Mich.

LARGE TYPE POLANDCHINAS

Boars and gilts for sale from one of the best herds in Mich. Sired by B's Clansman Mich. 1921 Grand Champion. Also M and W's Orange and Daddy Long Legs 2nd. Give us a visit and look them over if not write to N. F. BORNOR, Parma, Mich.

Big Type P. C. some very choice boars double immune, out 1100 lb. sire and mammoth sows from Iowa's greatest herds. E. J. Mathewson, Burr Oak, Mich.

Francisco Farm Poland Chinas Big, stretchy Spring Boars as good as grow. Pairs and Trios not akin. Can spare two or three of our good herd sows bred for Sept. P. P. POPE, Mt. Pleasant, Mich.

L. T. P. C.

Choice Gilts \$25 to \$40. Boars \$30. Fall Pigs \$15. HART AND CLINE, Address F. T. HART, St. Louis, Mich.

LARGE TYPE P. C.

Largest in Mich. Pig ready to ship, why not order from the herd that has given so many their start in the hog business, the kind that makes good, they have quality as well as size. W. E. LIVINGSTON, Parma, Mich.

Large Type Poland Chinas

Spring boars sired by Foxy Clansman 1922 Grand Champion and by B's Clansman 1920 Grand Champion Mich. State Fair. Also two choice 1921 fall boars. All immune by double treatment. Come and see them or write. A. A. FELDKAMP, Manchester, Mich.

L. T. P. C. Spring boars ready for service at Jackson with pigs from this lot. L. F. FOSTER, Rives Junction, Mich.

Boars at Half Price From Mich. Pioneer herd of Big Type Poland Chinas. We have been breeding them big for 30 years. Our herds represent the blood lines of Giant Buster, The Clansman, Liberator, The Yankee, Big Bob, etc. Write for what you want. J. N. C. BUTLER, Portland, Mich.

Big Type Poland China

Spring boars now ready for service weighing 200 lbs. Sired by Clansman Buster and Haver's Liberator 600 lb. yr. yearling. Come and see them or write. DORUS HOVER, Akron, Mich.

Big Type Polands We have a fine bunch of best blood lines and all cholera immune. We raise them to sell. If in need of a real herd boar prospect, come over. Visitors are always welcome. WESLEY HILE, Ionia, Mich.

L. T. P. C. Spring boars and gilts now being shipped, at farmer prices. They never last long. There's a reason. They talk for themselves. Call or write M. M. PATRICK, Grand Lodge, Mich.

BIG TYPE Poland Chinas, leading strains at lowest prices. Both sex, all ages, and bred sows and gilts. G. A. BAUMGARDNER, R. 2, Middleville, Mich.

LEONARD'S B. T. P. C. Herd headed by Leonard's Liberator. Orders booked for boar pigs at weaning time. Call or write E. R. LEONARD, St. Louis, Mich.

Must sell registered spotted Poland China Pigs at Drayton Plains, Mich. Prices reasonable. Dr. Meyer Morgan & Wright, Detroit, Mich. Phone Edgewood 3660

CLASSIFIED ADVERTISING

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

Rates 3 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.

Real estate and live stock advertising have separate departments and are not accepted as classified. Minimum charge, 10 words.

Rates in Effect October 7, 1922					
Words	One time	Four times	Words	One time	Four times
10.....	\$0.80	\$2.40	26.....	\$2.08	\$6.24
11.....	.88	2.64	27.....	2.16	6.48
12.....	.96	2.88	28.....	2.24	6.72
13.....	1.04	3.12	29.....	2.32	6.96
14.....	1.12	3.36	30.....	2.40	7.20
15.....	1.20	3.60	31.....	2.48	7.44
16.....	1.28	3.84	32.....	2.56	7.68
17.....	1.36	4.08	33.....	2.64	7.92
18.....	1.44	4.32	34.....	2.72	8.16
19.....	1.52	4.56	35.....	2.80	8.40
20.....	1.60	4.80	36.....	2.88	8.64
21.....	1.68	5.04	37.....	2.96	8.88
22.....	1.76	5.28	38.....	3.04	9.12
23.....	1.84	5.52	39.....	3.12	9.36
24.....	1.92	5.76	40.....	3.20	9.60
25.....	2.00	6.00	41.....	3.28	9.84

Special Notice All advertising copy must reach this office ten days in advance of publication date.

MISCELLANEOUS

A BARGAIN. In a Kewanee Pumping Outfit, with a three horse engine, shaft and four pulleys, in perfect running order. M. Pyle, 17213 Siering Ave., Redford, Mich.

WANTED—Carload, either sugar or mangel wurtzle beets—Also old fashioned tread power for exercising bull. "The Oaklands", R. F. D. No. 5, Ann Arbor



11 Owners in 1903--55,000 Today Why this enormous increase? They top the market. Packers, choice—Four straight years grand champion car load of fat hogs at Chicago Fat Stock Show. Famous Foragers—greatest gain on cheapest feed. Write your wants to

Michigan's Leading Hampshire Breeders: Armstrong and George, Cassopolis; Donald C. Esbie, Jonesville; James G. Arthur, Grass Lake; Lloyd Aseltine, Okemos; John W. Snyder, St. Johns; Clarence L. Campbell, Parma; John L. Landon, Addison; S. H. Van Marter and Sons, Parma; D. I. McBean, Manitou Beach.

Hampshire Boars Hampshires top the market, why not raise that kind? We have sons and grandsons of Maplewood Payroll, 1st prize aged boar Mich. State Fair, 1922 and other State Fairs, Spring boars wt. from 160 to 270 lbs. Immune. G. H. DODDS, R. 5, Kenton, O.

Hampshire Spring boars now ready, place your order soon. 10th year. JOHN W. SNYDER, R. 4, St. Johns, Mich.

SHEEP

Good Reg. Shropshire Rams for sale. C. R. Leland, Ann Arbor, Mich.

Kope-Kon Farms

Offers the best in yearling Shropshires of course. Also choice of the best lot of Ram Lambs you will see this year. Follow M 29. S. L. Wing, Coldwater, Mich.

Large, Well Covered Registered yearling Shropshire Rams. Priced right. Flock Established 1890. C. LEMEN, Dexter, Mich.

FOR SHROPSHIRE yearling rams. Write or call on ARMSTRONG BROS., R. 3, Fowlerville, Mich.

SHROPSHIRE RAMS Come to the Dan Booher, R. 4, Ewart, Mich.

Shropshire Rams fit to head registered or best grade flocks at right prices. C. J. THOMPSON, Rockford, Mich.

Shropshire and Suffolk Rams and Ewes for sale. Write or call on R. J. and C. A. WILLIAMS, Middleville, Mich.

Strong robust one and two yr. old Wool-Mutton Shropshire rams priced right. Tell us what you want. Maplewood Stock Farm, Allegan, Mich.

REG. DELAINE RAMS At Farmer Prices. Write or Come. CALHOUN BROS., Bronson, Mich.

Delaine Rams, extra fine ones bred for free. F. H. Russell, Box 41, Wakemans, Ohio.

Registered Hampshires. Rams all ages. Also some good ewes. Best of breeding. Prices right. W. W. CASLER, Ovid, Mich.

Reg. Oxfords For Sale Entire flock, rams, ewes and lambs. Also Reg. Hereford Cattle, any age. EARL O. MCCARTY, Bad Axe, Huron Co., Mich.

FOR SALE Registered Rambouillet rams good individuals, extra heavy covering and best of breeding. ROBE T. J. NOON, R. 9, Jackson, Mich.

For Sale Oxford rams and ewes all ages, guaranteed breeders. Write or call on Geo. T. Abbott, Palms, Mich., Tel. Decker-ville 78-3.

Straight Brook Hampshires 60 yearlings and ram lambs ready to ship from prize winning stock. Some real flock headers; priced to sell. A. M. WELCH & SONS, Ionia, Mich.

Delaines in their purity, having size, covering, quality, kind that will improve your flock, write S. H. SANDERS, R. 2, Ashtabula, Ohio.

Cotswolds 50 head Rams and Ewes all ages, no better flock in State. Write or phone A. M. BORTEL, Britton, Mich. Phone no. 706.

Additional Stock Ads. on Page 463

IMPLEMENT STORE FOR SALE Established 33 years. Town of 5000 in thriving farming community, central Michigan. Splendid opportunity for live man to get into business. Address Box 107, Michigan Farmer.

WE WANT CLOVER SEED We buy all kinds outright or accept seed on consignment for later market, advancing 50% on consignments. See your local co-op, or write us, sending samples. Mich. State Farm Bureau, Feed Dept., Lansing, Mich.

POULTRY

WANTED to buy 300 single comb White Leghorn June pullets or yearling hens. Also about 100 White or Barred Rocks or White Wyandottes, same age. What have you? Serradella Farm, Oscoda, Mich.

PURE BRED amoth, Bronze Turkeys. Exceptionally large, vigorous birds, both sexes. Mrs. Ralph Sherk, Caledonia, Mich.

NARRAGANSETT Turkeys. Fine stock. Order now. Toms \$10 and \$12. Hens \$8. Mrs. W. B. Newell, Onsted, Mich.

FOR SALE—pure Bourbon Red turkeys. Hens \$7, toms \$9. Also White Pekin Ducks, Cordelia Taylor, R. 1, Bentley, Mich.

MICHIGAN'S best pure bred Bronze Turkeys, good once, order early. Mrs. William Tanton, Decker-ville, Mich.

PUREBRED Imperial Pekin ducks and drakes \$3 each. Shirley Barrett, North Street, Mich.

LATEST MARKET REPORTS

GRAIN QUOTATIONS

Tuesday, October 24.

Wheat.

Detroit.—No. 2 red at \$1.20; No. 2 mixed \$1.18; No. 2 white \$1.18.
Chicago.—No. 3 red \$1.14@1.15½; No. 2 hard \$1.15@1.15½; December \$1.09½.
Toledo.—Cash \$1.22½; December at \$1.20½.

Corn.

Detroit.—Cash No. 2, 78c; No. 3 yellow 77c.
Chicago.—No. 2 mixed 68¾@70¾c; No. 2 yellow 69@71c.

Oats.

Detroit.—Cash No. 2 white 48c; No. 3, 46c.
Chicago.—No. 2 mixed at 43@45c; No. 2 white 41¾@43¾c.

Beans

Detroit.—Immediate and prompt shipment \$6.60.
New York.—Choice pea \$7.25@7.50; red kidney \$6@6.50.
Chicago.—Michigan choice hand-picked \$5.50; red kidneys \$5.50@6.

Rye

Cash No. 3, 83c.
Chicago.—79½@79¾c.
Toledo.—86c.

Seeds

Detroit.—Prime red clover cash at \$12.25; alsike \$10.25; timothy \$3.30.
Toledo.—Prime red clover at \$12.85; alsike \$10.65; timothy \$3.30.

Hay

Detroit.—No. 1 timothy \$17@17.50; standard and light mixed \$16.50@17; No. 2 timothy \$15@16; No. 1 clover \$15@15.50; rye straw at \$11.50@12; wheat and oat straw \$11@11.50 per ton in carlots.

Feeds.

Detroit.—Bran \$32; standard middlings at \$33; fine do at \$33; cracked corn at \$35.50; coarse cornmeal \$33; chop \$28 per ton in 100-lb sacks.

Fruit

Chicago.—Pears, Bartletts, Michigan standard packed \$3.25@3.50 per bu; Keiffers 75c per bu; grapes, baskets 5@5½ lbs at 33@34c; Climax baskets 70c; apples No. 2, all varieties at \$1.50 per bbl; Wealthies \$3.25@3.50 per bbl; Wageners \$3@3.25; cranberries \$5.50@5.75 per box.

WHEAT

With the total supply of wheat outside of Russia and Mexico actually less than last year, when more was consumed than was produced, the existence of a large surplus in North America becomes less serious since the movement from the latter to date has been absorbed without difficulty. Besides the decline of approximately 250,000,000 bushels in European wheat production compared with last year as shown by reliable estimates, the rye crop is about 100,000,000 bushels less so that a big increase in European wheat and rye needs is evident. Under the conditions, the financial ability of the importing countries to buy as much as they need seems to be the determining factor in the trend of prices during the remainder of the season.

CORN

Corn prices have advanced even more than wheat from the low point of the year and are now the highest since January 1921. The first cars of new corn at Chicago have been of excellent quality and have sold for around 73c compared with 36@39c last year. Receipts have been larger than usual for this time of the year but domestic distributors and exporters have been taking it as fast as it arrived and drawing upon visible supply stocks in addition. The world's corn crop is believed to be 500,000,000 bushels less than last year.

OATS

Oats prices are trailing after corn. There is some export demand and domestic distribution is satisfactory as the high quality of the new crop is attractive to consumers who were loathe to take the inferior oats produced last year.

SEEDS

Although seed markets lost part of their recent gains, they are by no means weak. Timothy seed especially is showing a strong undertone. The cloverseed crop this year is estimated at 2,033,000 bushels compared with

1,411,000 bushels last year and 1,760,000 bushels two years ago. Alfalfa seed thus far has been marketed more slowly than last year.

FEEDS

With feed grains advancing, by-product feeds also have remained firm and in many cases are the highest since the decline started last spring. Production is at a high rate and stocks are adequate with those in transit, or stored, increasing. Prices are largely nominal as actual buying is said to be limited.

HAY

Shortage of cars is curtailing shipments of hay, and receipts at leading markets are light. Chicago has received 35,148 tons since July 1, compared with 37,508 in the same period last year when the movement also was limited. There is an urgent demand for alfalfa with cattle and lamb feeders as well as dairymen in the market, and good grades of timothy are moving readily.

POULTRY AND EGGS

Fresh egg prices advanced last week to new high figures for the season. Diminishing receipts and keen demand for fine eggs were the causes. Storage eggs do not seem to be moving freely. Apparently, the market must endure some pressure from this source before the immense stocks are distributed. Although it is six weeks since the season at which frozen poultry usually begin to accumulate in storage, it has not begun to do so this year. In spite of the increased production of chickens, receipts in the last few weeks have been smaller than in the same period last year. Prices are slowly working lower.

Chicago.—Eggs, miscellaneous 30@35c; dirties 19@20c; checks 18@20c; fresh firsts 31@32c; ordinary firsts 28@30c. Live poultry, hens 20c; spring-

ers 18c; roosters 14c; ducks at 22c; geese 21c; turkeys 30c.

Detroit.—Eggs, fresh candled and graded 37@42c; storage 26½@28½c; Live poultry, heavy springers 21@22c; light springers 16@17c; heavy hens at 23@24c; light hens 15@16c; roosters 15c; geese 18@20c; ducks at 23@24c; turkeys 30c.

BUTTER

Butter prices reached a new high level for the year at the close of last week. Light receipts coupled with maintenance of broad consumptive demand were the factors responsible. Fresh butter of the higher scores was scarce. Production is gradually shrinking. Thus far consumption has not been affected in an important way, at least, by the advance in prices which are now about 45 per cent up from the low point of the year a little over two months ago. Storage reserves are being reduced rapidly. Prices on 92-score fresh butter were as follows: Chicago 45c; New York 48½c; Boston 46½c; Philadelphia 47½c. At Detroit fresh creamery in tubs sells for 38½c.

CHEESE

Country cheese markets advanced early last week and prices on the principal distributing markets were raised about two cents a pound on all styles as a result. Receipts at the four leading cities in the first three weeks of October were larger than a year ago but the consumptive demand has been sufficient to bring about a greater reduction in cold storage reserves than in the same interval in 1921.

POTATOES

Carlot shipments of potatoes from the leading late producing states up to October 14 totalled 16,000 cars less than to the same date last year when the smaller crop was shipped at unusual speed. The present movement is up to normal for this time of year,

however. Prices were firmer last week for eastern potatoes where the crop is small, but weaker for western and northern stock. Prices in city markets range from \$1.10@1.35 per 100 pounds.

APPLES

Apple shipments from the barrel states for the season to October 14 were 40 per cent larger than to the same date last year, while box apple shipments show a decline of nearly 50 per cent. Wholesale prices in the leading consuming markets range around \$3@3.75 for eastern Wealthies and Jonathans, while Midwestern Jonathans are quoted at \$5.25@6.25 at Chicago.

BEANS

There is little change in the market as the disrupted transportation facilities have prevented the new goods from going forward. The inquiry for new stock is very good but its scarcity makes buyers turn to the old crop to fill their immediate needs. Old red kidneys are irregular, with many asking higher prices for them.

WOOL

Wool prices were advanced last week under general buying by manufacturers who are supplied with orders which will keep them busy for the next few months and have not provided for their raw material. Many of them waited for cheap wool after the permanent tariff but have been disappointed in the outcome. The advance is general all over the world as every report that comes from British or Australian auctions tell of firm prices or fresh advances. Some American buying is going on as more wool must be imported no matter what the tariff is. Further advances in cloth prices are rumored.

DETROIT CITY MARKET

Fruits and vegetables are steady, and eggs are not in liberal supply. Poultry is abundant but potatoes and cabbage are getting firmer. Apples bring \$1@3 per bu; cauliflower 75c@2.75 per bu; celery 25@75c per dozen bunches; cabbage 40@50c per bu; carrots 20@50c per bu; eggs 55@65c per dozen; dry onions 90c@1; potatoes 65@85c; poultry 23@30c per lb; pears \$1@1.50; pumpkins 50c@1; squash 75c@2.50 per bu; tomatoes \$4@6 per bu. Reports indicate that turkeys and chickens for Thanksgiving will be plentiful.

GRAND RAPIDS

The last of the peach and grape crops were being marketed in Grand Rapids this week. The demand was good for both fruits and prices stiffened slightly over last week. Taking the season as a whole the grape growers in this section have had a prosperous season. The apple movement continued fair, with Snows selling readily at 75c@1 a bushel. Farmers are holding on to most of their Spies. Those selling their firsts are getting \$1@1.25 per bushel. Kieffer pears are a drag on the market at 35c bushel. Potatoes seem to have struck bottom, holding steady at the present range of 45@50c per bushel for about a month. The hot-house lettuce crop is coming on slowly, selling at 12@13c per pound. Onions were easier at 40@60c per bushel. They are mostly in the hands of speculators. Eggs were higher, 40@41c.

COMING LIVE STOCK SALES.

Holsteins.—October 30, Genesee County Holstein Breeders' Association, Flint. H. G. Spillane, Clio, Secretary.
Shorthorns.—November 1, Eaton County Shorthorn Breeders' Association, Charlotte, Mich. Ira P. Zimmerman, Secretary, Dimondale, Mich.
Poland Chinas.—November 8, W. B. Ramsdell, Hanover, Mich.
Holsteins.—November 8, Hugh Willer, Sandusky, Mich.
Poland Chinas.—November 9, Young Brothers, Niles, Mich.

FARM MEETINGS.

National Milk Producers' Federation, Springfield, Mass., November 9-10.
National Grange Meeting, Wichita, Kansas, November 14.
American Pomological Society Convention, Council Bluffs, Iowa, November 15-17.

Live Stock Market Service

Wednesday, October 25.

DETROIT

Cattle.

Receipts 350. Market is steady but slow.
Best heavy strs, dry-fed.. \$ 8.25@10.00
Handyweight bu., dry-fed 7.25@ 8.00
Mixed strs, hfrs, dry-fed 6.00@ 6.75
Handy light bu, dry-fed.. 5.00@ 5.50
Light butchers .. 4.00@ 5.00
Best cows .. 4.50@ 5.50
Butcher cows .. 3.00@ 3.75
Common cows .. 2.75@ 3.00
Canners .. 2.00@ 2.50
Choice bulls .. 4.50@ 5.00
Bologna bulls .. 3.75@ 4.25
Stock bulls .. 3.00@ 3.25
Feeders .. 5.50@ 6.50
Stockers .. 3.00@ 5.50
Milkers and springers...\$ 40@85.00

Veal Calves.

Receipts 520. Market steady.
Best .. 13.50
Others .. 4.00@12.00

Sheep and Lambs.

Receipts 3,880. Market is steady to 25c higher.
Best lambs .. \$14.25@14.40
Fair lambs .. 9.75@13.00
Light to common .. 6.00@ 9.25
Fair to good sheep .. 5.50@ 6.75
Culls and common .. 2.00@ 3.00
Heavy .. 4.50@ 5.00

Hogs.

Receipts 2,940. No hogs sold up to 2:00 o'clock. Prospects 25@35c lower. Looks like mixed hogs would bring \$9.40.

CHICAGO

Hogs.

Estimated receipts today are 17,000; holdover 11,941. Market very slow; weak to lower. Bulk of sales \$8.50@9.35; tops \$9.40 early; heavy 250 lbs up \$8.65@9.35; medium 200 to 250 lbs \$9.10@9.35; light 150 to 200 lbs \$9@9.25; light lights 130 to 150 lbs \$9@9.15; heavy packing sows 250 lbs up \$7.90@8.65; packing sows 200 lbs up

\$7.50@8; pigs 130 lbs down \$9@9.25.

Cattle.

Estimated receipts today are 14,000. Market is slow and about steady on most killing classes; steady to weak; veal calves lower. Beef steers medium and heavyweight 1100 lbs up \$11.75@13.60; do medium and good \$7.50@11.75; do common \$5.75@7.50; light weight 1100 lbs down at \$9.25@12.75; do \$5.50@9.25; butcher cattle heifers \$4.75@10; cows \$3.50@8.25; bulls, bologna and beef \$3.50@6.50; canners and cutters cows and heifers \$2.60@3.50; do canner steers \$3.50@4; veal calves light and handyweight \$8.75@11.50; feeder steers \$5.65@8; stocker steers \$4.40@7.65; stocker cows and heifers \$3.25@5.35.

Sheep and Lambs.

Estimated receipts today are 18,000. Market steady. Lambs 84 lbs down \$13@14.75; do culls and common \$9@12.75; spring lambs \$9.25@12.75; ewes \$5@7.75; ewes cull and common \$2.75@5.25; breeding ewes full mouths to yearlings \$5@10.75; yearling wethers \$13.25@14.75.

BUFFALO

Cattle

Receipts five cars. Market is slow. Canners were 25c higher. Shipping steers \$9.50@10.50; butchers \$8@9.50; yearlings at \$9.50@11.50; heifers \$6@8.50; cows \$2.25@6.25; bulls \$3@5.25; stockers and feeders \$5.50@7; fresh cows and springers \$5@10 higher at \$45@125.

Veal calves \$14.

Hogs.

Receipts 10 cars. Market is lower. Heavy \$9.80@10; mixed and yorkers \$10; light yorkers \$10; pigs at \$10; roughs \$8; stags \$5@6.50.

Sheep and Lambs.

Receipts five cars. Market is steady. Lambs \$14.75; yearlings \$10@11.50; wethers \$8.50@9; ewes \$7@8; mixed sheep \$7.50@8.

20 Eggs a Day From 24 Hens

"Never Got So Many In My Life,"
Says Mrs. Dean.

"I started using Don Sung on Jan. 1. My 24 hens, which had been laying only 3 or 4 eggs a day, soon began laying 18 to 20 eggs a day and have laid fine ever since. I never got so many eggs before in my life and I have been a poultry raiser for 26 years."—Mrs. Elva Dean, R. 3, Coolville, O.

No guess-work about this. Mrs. Dean kept her egg record. In 4 months she used one 50c and three \$1 boxes of Don Sung and got over 150 dozen extra eggs.



It doesn't pay to be without Don Sung," says Mrs. Dean. And it's a fact. You're losing money every day you "get along without it." Why not test it for yourself in this easy way: Give Don Sung to 15 hens. Then watch results for 30 days. If it doesn't show you a big increase in eggs, if it doesn't pay for itself and pay you a good profit besides, tell us and your money will be promptly refunded.

Don Sung (Chinese for egg laying) acts directly on the egg-laying organs, and is beneficial in every way. It makes hens healthy and happy. They scratch and sing. Pullets develop earlier. The whole flock lays regularly in any season, in any weather, when eggs are scarce and high.

Can you afford to ignore the wonderful reports you are hearing from Don Sung users everywhere? Why not let us show you the same results, with your own flock? Don Sung is no trouble to use. It costs nothing to try. All we ask is a chance to prove our claims, entirely at our risk. Get Don Sung from your local dealer, or send 50 cents for package by mail prepaid (large size, \$1, holds three times as much). Burrell-Dugger Co., 424 Columbia Bldg., Indianapolis, Ind.

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

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THE FARM BUSINESS OUTLOOK.

PRIME steer prices the highest in nearly two years, lamb prices on a high level, the hog market well sustained in spite of heavy receipts, wheat the highest in three months, corn the highest since January, 1921, oats the highest since March, 1921, raw cotton highest since last July, butter prices highest since December, 1921, cheese prices highest since March, 1921, and fresh eggs the highest since last February were some of the encouraging developments in the markets for farm products last week. Since meats, butter and eggs are regarded to some extent as luxuries, they are benefiting most from full employment of the laboring classes. Cotton and wool likewise are affected favorably by the business revival and expansion in volume of manufacture.

The car situation which has been acute for several weeks seems to be clearing up in certain sections. Concerted efforts are being made to relieve congestion and after October, which is a peak month normally, conditions may gradually become better, especially if favorable weather prevails.

Reports upon industrial activity are optimistic. Steel mills and blast furnaces report further increases in operations although new orders are less urgent and the present rate is believed to be sufficient to supply the demand. In fact, steel and pig iron prices are easing. Coal production is gradually gaining and the continuous drop in prices since the middle of August is still under way.

Bank reports continue to reflect business expansion. Loans are increasing, the federal reserve ratio is dropping and interest rates show further hardening. Banks are said to be putting gold into circulation freely, apparently in an effort to raise rates. One result of a tighter money market is the decline in prices of Liberty Bonds.

Abroad conditions remain in turmoil. The change in the British cabinet unsettled sterling exchange after it had reached nearly the highest point of the year. Marks dropped to a new low of about one thousandth of their normal value. A fresh reparations crisis is probable in the not distant future. Chilled by the prospect of payments from Germany being deferred, French exchange is hovering around the lowest levels of the year.

Veterinary.

CONDUCTED BY DR. W. C. FAIR.

Advice through this column is given free to our subscribers. Letters should state fully the history and symptoms of each case and give name and address of the writer. Initials only are published. When a reply by mail is requested the service becomes private practice and \$1 must be enclosed.

Injured Hock.—I have a horse that was injured some four weeks ago, was kicked by another horse. The hock swelled, opened and discharged fluid. The joint is very large, but our local veterinary opened bunch and drained the joint; however, he is very lame and joint is enlarged. W. C., Merle Beach, Mich.—Apply one part tincture of iodine and four parts camphorated oil to hock twice daily.

Exhausted.—We have a calf that is six weeks old which thrived up to three weeks ago, at which time we brought him home from a neighbor's. In leading him he became very much excited and hot, since then he has failed, but has great appetite and is well fed. Is it possible for the calf to have lost his cud? A. R., Midland, Mich.—Give calf a teaspoonful of bicarbonate of soda and same quantity of powdered wood charcoal in feed three times a day. No such thing as a ruminating animal losing their cud; it's a traditional belief.

Arthur Swasey, Coldwater, Mich.—Please follow the advice of your veterinarians concerning the treatment of your cow for garget. Reduce her food supply.

Farewell Lake Farm

Third Annual Sow Sale of
Large Type Poland Chinas
Wednesday, Nov. 8, 1922

at the farm located 5½ mi. southeast of Hanover, 3¼ mi. northeast of Moscow and 5 mi. northwest of Somerset Center on the south side of Farewell Lake.

We will sell 35 head consisting of 14 of the best fall gilts that can be found anywhere. One Junior yearling, 15 spring gilts, 4 spring boars and 1 junior yearling boar. All double treated with Serum and Virus. This offering is sired by W. B.'s Outpost Stills, Smooth Wonder and other noted boars. This herd has won more ribbons at the fairs this year than any other herd in the state. They were shown at the Michigan State Fair, Jackson, Grand Rapids, Hillsdale and Angola, Ind. We prefer your presence otherwise bids may be sent to auctioneers. We will assure you that they will be used at the best advantage.

Auctioneers:

Col. Wm. Waffle,
John Hoffman,
J. I. Post,

Coldwater, Mich.
Hudson, Mich.
Hillsdale, Mich.

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Bird shot total length 41
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\$1100 Secures 110 Acres, Horse, Cows, Hogs, Etc.

2 cows, horse, 4 pigs, farm tools, hay, oats, corn, etc. included, in fine farming section, 3 miles to good town, easy drive to large city markets; 70 acres loamy tillage, 20 acres stream watered pasture, 20 acres woodland, fruit. New 2 story 9 room house, good cellar, fine well water; \$5900, \$1100 cash secures all, terms on balance. Write or see Michigan Farm Agency, 628 Ford Bldg., Detroit, for further description of this and other Michigan farm bargains.

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HOLSTEINS AT AUCTION

Fifteen head of Registered and High Grade Livingston County Holstein Cows and Heifers; also Herd Sire with 30 lb. breeding. All good individuals. Sale at farm 4 miles south and 1 1-4 miles west of Sandusky, Mich.

WEDNESDAY, NOV. 8

Free auto conveyance from trains at Sandusky.
HUGH WILLER, Owner

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Nov. 9, 1922

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1400 Breeding Ewes FOR SALE

in lots of 50 or more, black faced, from 1 to 4 yrs old; no broken mouths, in good condition, located 22 miles S. W. of Detroit on Detroit and Toledo electric and Dixie Highway. Telegraph address, Rockwood. Almond B. Chapman, So. Rockwood, Mich.

NOTICE: Registered Black Top Delaine rams for sale. Send for photos and prices. All stock guaranteed healthy.
W. C. Hendee & Son, Pinckney, Mich.

FOR SALE 75 good breeding ewes in lots to suit purchaser at \$5.00 per head. Also 40 yearling ewes at \$10.
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500 Acres Red River Valley. In oil district near Shreveport, La. High state of cult. Oil and gas possibilities. Write for particulars.
L. E. TIGNER, Shreveport, La.

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HUNTING Sites, improved farms, grazing lands and timber tracts. R.H. Deadman, Alpena, Mich.

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Misses' and Girls' Chappie Coat

Sheep Wool-Lined
\$9⁹⁸



Wait — just wait till the girls in your town see you wearing this jaunty Chappie coat. Every one will want one just like it! Of durable moleskin cloth in the popular tan shade, with beaverized lamb collar, and lining of soft, sheep wool. It's a bargain that you can't afford to miss. Note the snappy belt and the pockets. This is the kind of coat that is proof against the coldest wind, and is smart and dressy, too. Sizes 12 to 18. Order by No. 18E5608. Send no money. Pay \$9.98 and postage upon arrival.



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880—\$1.98
889—\$1.79

Extra high cut or regulation height felt shoes of excellent quality. Thick soles and heels. Sizes 6 to 12, wide widths. Order high cut by No. 18A880. Price \$1.98.



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HIP BOOTS

Men's pure gum hip boots; friction lined; heavy corrugated sole and heel; guaranteed fine quality. Made of the very best rubber. Usually retailed at \$5. Be sure to order your pair while this great saving offer lasts. Sizes 7 to 11. Wide widths. No. half sizes. Order by No. 18A949.

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There isn't a woman anywhere that doesn't want and need a handsome fur scarf. And Sharood offers an unusual value at a price within the reach of everyone. This scarf is about 46 inches long and 12 inches wide. It is stylish as well as warm. The lining is good quality satin, and there is an extra ruffling laid around the neck inside, so as to protect the fur from wearing. Only the most expensive fur scarfs have the features which we offer you at this bargain price. Order black Manchurian wolf scarf by No. 18E5193. Order brown by No. 18E5194. Send no money. Pay only \$4.49 and postage on arrival.

Extraordinary Coat Bargain

Pressed Velour with Genuine

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\$5⁹⁸



Where else could you find such a coat at this price! A practical and good looking model of pressed velour with generous collar of fine black deep plush. All-around belt and button trimmed. Sizes 16 to 20; women's sizes 34 to 46. Order by No. 18E5703. \$5.98. Send no money. Pay bargain price and postage on arrival.



Brown Leather Heavy Work Shoe

\$1⁹⁸

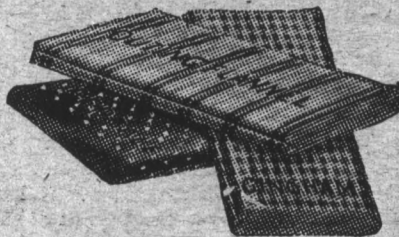
Splendid brown leather work shoes. Heavy, durable uppers; extra strong solid oak leather soles; leather insoles; low broad leather heels; and reinforced leather back stay. Roomy last. Sizes 6 to 12. Order by No. 18A758. Send no money. Pay \$1.98 and postage on arrival. Order boys' sizes 1 to 5½ by No. 18A554. Price \$1.89. Order little boys' sizes 9 to 13½ by No. 18A555. Price \$1.79 and postage on arrival. Mention size.

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Women's Black Calf and Kid Hi-Cut

Send for this handsome, rich kidskin shoe in black. Note the medium toes with pretty imitation perforated tips, the perforation around vamp and on lace stays. Very popular model and really a sensational bargain now. Durable, flexible soles. Sizes 2½ to 8. Wide widths.

\$1⁹⁸



Order by No. 18A122. Pay \$1.98 and postage on arrival. Order same style as above in durable black gun metal finished leather by No. 18A476. Pay \$1.98 and postage on arrival. State size.

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