

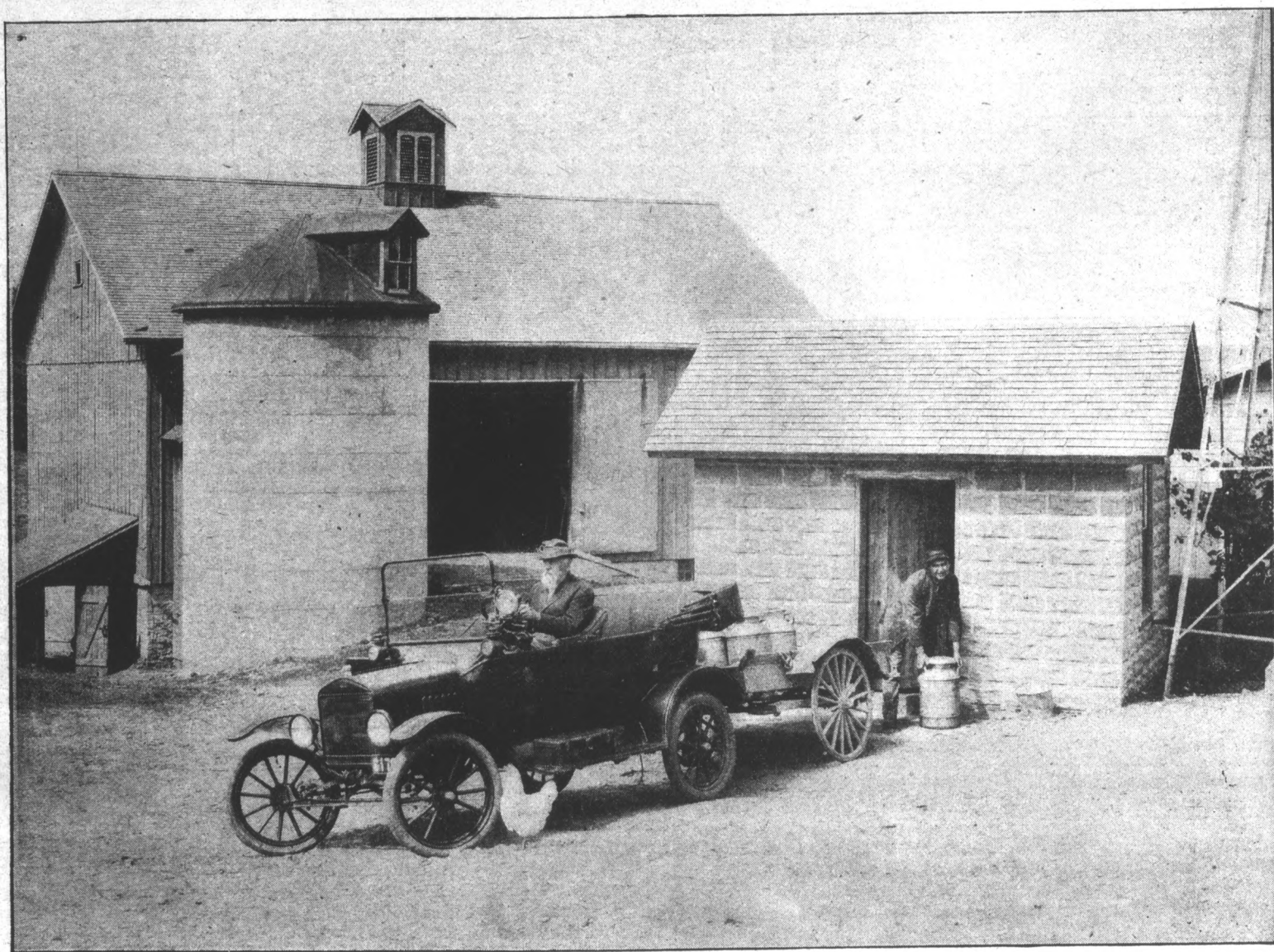
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AT school arithmetic was always hard for me and division was a stumbling block. But before I ever thought of mathematics I knew how to divide by two, for my brother and I used to divvy our candy and apples. This division is the elemental lesson in arithmetic.

It seems that even in Nature two is the greatest common divisor, for it is the plan of the universe to divide all living things into masculine and feminine. Neither is complete from the standpoint of Nature's plans without the other, but both are fractions.

As long as I can remember, I can recall this Creation's mathematical proposition, for I used to hear my father call my mother his "better half."

Farming, like the family, is a unit. It is the only mode of living which is complete within itself. But it, too, can be divided

The "Better Half" of Farming

by two—the farm occupation and the farm home. But which is the "better half"; that is the question.

There can be no doubt but that the farm occupation is the masculine side of farming, for it should provide and protect from want. It also involves a tussle with the forces of Nature which must be masculine in order that the farmer may win.

On the other hand, we can feel sure that the farm home is the feminine side of farming, for there love, comfort and refreshment after the daily struggle should prevail. It should be the center of the finer emotions of life.

It is granted that farm occupation is made of stern stuff and is very, very essential, but, like the rooster in the flock or the bull in the herd, it is auxiliary to the

real purposes of farm life, the development of the farm home. And the farm

home, being feminine, we must concede, without argument, is the "better half" of farming.

This should not discourage the farmer, but, rather, should encourage him to greater efforts to have more productive fields and better herds so that the lesser fraction will be in a position to develop and make greater the "better half."

So it should be the aim of all farmers to have the very best farm possible, with the very best equipment possible, (such as indicated in the picture), so that the farm will take care of and provide conveniences for the farm home, much in the same manner as man is supposed to provide for and take care of woman.

A Good Farm plus a Good Farm Home equals Rural Happiness.



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DETROIT, NOVEMBER 26, 1921

CURRENT COMMENT

Fertility
versus
Production

IT is the well-founded opinion of every good business farmer that the maintenance and improvement of the fertility of his soil is the foundation of his prosperity. In a conversation with the editor on this subject, one of the best farmers in southwestern Michigan, who has made an enviable record as a successful potato grower, remarked that too many farmers associate the idea of a betterment of soil fertility with that of over-production, and a consequent cheapening of prices for farm products. He contended rightly that this is an erroneous idea and that during the process of the improvement of soil fertility the farm is likely to produce less, rather than more, but at a very considerable gain in economy of production.

This viewpoint is undoubtedly correct. Eras of over-production of staple crops in this country have been the result of the general tendency among farmers to turn the stored-up fertility of naturally rich soils into cash as rapidly as possible. This tendency has in no small degree forced the farmers living on less productive soils to become soil robbers in order to make a living during these periods, which fact has at times aggravated the problem of over-production to a point which has made certain lines of production unprofitable to all classes of producers. The giving of general attention to the maintenance and improvement of soil fertility by the farmers of the country would tend to correct this tendency and add to the present and future prosperity of the farmers of the country by inaugurating an era of more economic production.

An example which illustrates this fact is afforded by a survey of conditions on the dairy farms of the state, preparatory to the launching of the alfalfa and dairy campaign now being conducted by the agricultural college. This survey shows that a majority of the dairy farmers of the state are using timothy hay in the production of milk, which every good dairyman knows is an uneconomic proposition. Surprisingly few farmers are producing clover hay as a feed for their dairy cows. The majority of them are still using the old combination of clover and timothy for seeding their land. But on much of their land clover does not "catch" with its old-time vigor and they perforce fall back on timothy as a hay crop with the resulting uneco-

nomie yields and unprofitable milk production.

By the use of lime as a soil corrective and well proven methods of getting it established, alfalfa can be successfully grown on any well-drained Michigan soil. The result will be quickly apparent in profitable yields of hay and economic dairy production, as well as better yields of the crops which follow the alfalfa and a consequently greater economy of labor in all the farming operations, which will add materially to the prosperity of the farmer.

Close attention to soil fertility problems is undoubtedly the foundation of farm prosperity. This fact is clearly demonstrated by object lessons in every farm community.

Fewer
Farm
Auctions

A FEW days ago a prominent auctioneer in Central Michigan called the editor's attention to the marked decrease in the number of farm auctions this year as compared with recent years. This man was called on to officiate at only about one-quarter of the number of farm auction sales during the present year as compared with the high point of previous years. And most of these sales were held to close estates or by tenants who were changing locations. Very few of them were held by farm owners who were planning on going into other business or on retiring from the farm to live in some nearby village or town.

The interpretation of the reasons for this fact will depend upon the reader's point of view. We believe that the correct interpretation is that more farmers are coming to appreciate that they are in the best line of business. They are sure of a job and a comfortable living, even under the most adverse business conditions, and they are engaged in a basic industry which is bound to be among the first to profit from a return to conditions of normal business prosperity.

Farming is a good business to tie to. It affords the safest opportunity for the savings, the most wholesome life and the best possible conditions for raising of children to the estate of useful citizenship.

How We
See
Things

LAST spring when a rural lassie went to the Big City, she surprised her friends by becoming enthusiastic over the discovery of cocoons on the street shade trees, while the bright 'down town shop windows were almost a bore to her. Her interest in the cocoons led her to urge her decrepit old uncle to revive his ancestral qualities by climbing around monkey-like to gather them. This acrobatic performance naturally drew the attention of the passers-by who wondered at the cause of the commotion. They were much surprised when shown the cocoons on trees under which they had passed several times daily, intent upon their way to work or their daily window-gazing tours.

Is not this but an indication that although we all see things, what we see and how we see depends upon the man behind the eyes that look. Interest evidently intensifies and directs sight to the things we are interested in. Seeing things is mental as well as optical.

For instance, near-sightedness is common in matters of thought. It seems to be a human failing to pass judgment before we get a true perspective of the matter under consideration. Near-sightedness has often been an obstacle to public progress. For years we simply could not see good roads and cooperation. But now we all realize their value.

It is fortunate that there are always some who are far-sighted and broad-

visioned enough to see those things and to persist in them until public vision gets adjusted to see them as they really are.

On the other hand, it is unfortunate that we have other persistent ones who are cross-eyed in their views of things. The Reds and Radicals are of this type. They simply can not see things straight and therefore raise havoc.

Sometimes it is difficult to tell whether the vision of a leader is good or defective. But in most cases we can feel safe in picking the forward-looking man who prefers to build and improve what we already have, than to destroy it and start anew. Public affairs are not so bad that we need a complete reversal in the management of them.

Despite the fact that defective vision prevails and that we are all inclined to judge the world by what we see from our front windows, we are going forward. Front window critics are getting fewer as by greater contact with other people, through the press and through travel, we are getting broad-visioned, one of the great essentials for safer and more rapid progress. It really does make a lot of difference how a fellow sees things.

Watch the
Potato
Patch

THE potato patch has made Aroostook county, Maine, famous among all the counties of the country. Of course, this county is about ten times the size of the average Michigan county, but in it are districts where potato production has attained a high degree of perfection.

We grow potatoes in Michigan, lots of them, the state ranking from first to third in the production of this crop. Our potatoes also have quality, as witnessed by the showing made at the recent national potato show at Duluth. But the possibilities of these great potato-producing areas in this state are being only partially realized. Yet in them every condition for a similar development as that attained in Maine, is present. Furthermore these Michigan areas are capable of producing other crops, particularly legumes, making it easier and cheaper to maintain the soil in a condition peculiarly fitted for the growing of super-crops of tubers. We also have every confidence in our farmers and our agricultural leadership and in the expansion of the potato market to the end that we are just now wondering what our next census and the 1940 census will tell us when the state's attainments are then compared with the producing areas of other sections of the country.

SHORTS.

Thrift is mankind's way to progress.

The herd begins with a good sire; it ends with a bad one.

Getting ahead is not a matter of chance with the most of us, but is a matter of industry.

An Arabian proverb runs thus: "He who has health has hope, and he who has hope has everything."

"Civilization, culture and development of rural people are to be found in conjunction with town and small city, and not apart."—Galpin.

"Right and wrong vary with different communities, different groups, different circumstances, and different individuals. What is poison for one is food for another."—Babson.

EFFICIENCY.

It ain't a senseless hoardin'
Nor stinting of our need,
But efficiency in spendin'
That should become our creed.

It ain't some money set aside
On impulse once awhile,
But steady savin' day by day
That builds the steady pile.
—S. V. Perlman.

News of the Week

Wednesday, November 16.

PRESIDENT HARDING issued a proclamation declaring peace with Germany.—A reduction of about thirty per cent in wages will be announced by Colorado mine officials.—Airplanes are being used to carry mail along the Kongo river, in Africa.—The homeless and destitute of Elmira, New York, will be allowed in unoccupied residences this winter.—The methodists are holding their first annual national conference in Detroit.—The peace conference at Washington goes into secret session.—The National Council of Women in session at Philadelphia passed resolutions urging legislation which would prohibit the sale of cigarettes to women.—A school census shows that Detroit is a haven for matrimonial-seeking maidens. This city has over 105,000 eligible young men and only 84,000 unmarried women.

Thursday, November 17.

HENRY FORD'S railroad reduces passenger rates to three cents a mile.—Texas Cherokee Indians have asked the supreme court to review their claim to more than a million acres of land in Texas.—An eastern scientist says that a fly has more chance to live to be a hundred years old than a man. Too much pampering and hospitalization are weakening the human race, he said.—Henry Ford has bought Wood Chuck Lodge, the summer home of the late John Burroughs, his friend.—Over 5,000 bales of cotton were destroyed by a compress fire at Fort Smith, Arkansas.—The council of ambassadors has decided that German ships may enter the Black Sea for commerce purposes.

Friday, November 18.

GENERAL FOCH will take to Paris the bob cat delivered to him by airplane from the west.—Korekizo Takahashi, Japan's new premier, was once a mine slave in the United States.—Physical examination of 4,000 school children in Detroit shows that seventy-five per cent have physical defects.—Essex county, Canada, farmers will test the growing of tobacco from seeds imported directly from Turkey.—It is reported by an officer of the French cavalry that ex-Kaiser William still dresses himself in gaudy soldier clothes and calls himself "Majesty."—One train from the northern peninsula carried the carcasses of one hundred and ten deer, trophies of successful hunting trips.

Saturday, November 19.

AN unusual holdup took place in Parsons, Kansas, when two girls were forced to take off their new fall suits, silk stockings and shoes. The robbers did not harm them otherwise.—A theological seminary in Rochester, New York, has advertising as a part of its course in training ministers.—S. S. Kresge, the famous five-and-ten-cent store man, heads a civilian vigilance committee formed for the purpose of assisting the officers in enforcing prohibition in Detroit.—President Harding receives a thirty-five-pound turkey for Thanksgiving from M. H. Dailey, prohibition commissioner of Mississippi.

Sunday, November 20.

EARL BRONNER, an ex-service man who is blind and has both hands gone, has devised a typewriter on which he produces perfect copy with his feet and the stumps of his arms.—The Kalamazoo Central High School is thrown into a commotion when a large number of "freshmen" girls appeared at class with emblems bearing the initials B. V. D.—At a New York and Chicago Claim Agents' conference it was stated that \$56,000,000 worth of freight is lost yearly.—Twelve persons were killed and thirty injured, and great property damage resulted when two cyclones struck Mana and Arkadelphia, Arkansas.

Monday, November 21.

A SCOTTISH manufacturer of golf balls says that Canada buys 3,686 golf balls every year.—Great Britain and Japan favor "in principle" Secretary Hughes' plan for navy limitation.—Secretary of Labor Davis announced that industrial plant employment increased 463,682 during October.—It is claimed that three men and a typewriter inflamed the "Reds" throughout the world in matters referring to the Sacco-Vanzetti case in Massachusetts.—Mr. Edison and Mr. Ford are conferring on the Muscle Shoals nitrate plant.—The Michigan one-buck law is successful in stopping the wanton slaughter of deer in the northern woods.—A German bride of an American soldier tries suicide when she finds herself unwelcome in this country.

Is the Rural Community Worth Saving?

By Hilda Richmond

A SUCCESSFUL business man who had occasion to hunt up a farmer in a community thirty miles from his home town was amazed at the lack of community spirit shown in the neighborhood of the man, whom he finally located after much trouble. The business man knew little or nothing about country conditions, except that farmers had been having a hard time with labor conditions during the past years, but he did know that it takes cooperation in any business to make it go, and it was this lack of cooperation that amazed him in the country.

He first inquired the general directions for locating the man at a store on the side of town where he naturally supposed the man would deal. "Don't know the man!" said clerks and proprietor. He tried another store with the same response. "Must buy his goods from a mail order catalogue," was the verdict of one and all. Finally a blacksmith was found who could give rather vague directions, and the business man kept on going. Arrived within a mile or two of where the blacksmith had indicated he again began inquiring. "Don't know him. How long has he lived around here?" were the replies to his questions.

By this time the merchant was curious. "Don't you meet him at church? Don't his children go to the school yonder? Are there no social gatherings where you would learn his name?" These were some of the inquiries he made. To his surprise he discovered that the church was closed for want of supporters, the school house closed for lack of children to teach, and that there were absolutely no social pleasures for the people, except that on Sunday loads of city people in automobiles came out for a big chicken dinner, and the children yelled and rambaged over the country, as the man put it. There was no distinctive country life and every man he talked to "knocked" the community and farm life.

The merchant was amazed and saddened. For years he had cherished the dream of retiring from the cold-blooded city to the kindly, quiet, happy country neighborhood where people rejoiced with those who rejoiced and wept with those who wept, where people had time for picnics and socials

and good times, where hearty cooperation was the rule of life and where health and peace and happiness reigned supreme. When he told some of his shattered dreams to his friends

they said with one voice: "There was a time when such conditions prevailed, but that was in the past."

Now there is no denying that the automobiles, and the better roads, and



ABRAHAM WISE did not enjoy himself when his neighbors were quarreling. He did many extraordinary things to keep peace. Once he was driven to his wits end following a break in diplomatic relations between two of the leading farmers of the community over the damage done to a corn crop by the cattle of one of these farmers. After several failures friend Wise finally concluded to try the method followed by that other Abraham several thousands of years ago, and offer up the turkey gobbler that these belligerent neighbors might again restore peace. So he invited these neighbors to a bountiful turkey dinner. Now they have forgotten their differences. To keep the community running smoothly very often means a little personal sacrifice, but Abraham Wise says it is worth while, and he should know.

the building of centralized school houses, and the abandonment of the little country churches have done much to abolish the community or neighborhood spirit in many localities, but after all, isn't it worth while to stop running down farm life and farm conditions and try to restore the neighborhood spirit? Is it not true that young people might be held to the farms and those who have wandered away to town won back if the whole country standard should be suddenly raised a number of degrees. In other words, is the country community as a country community worth saving, or is it better to call it a suburb of some nearby city and depend upon the town to furnish the amusement, the religious influences, the schooling and everything but the fare living from the land? That is the question that must be settled quickly in view of the many empty farm houses and lonely country neighborhoods.

And if it is worth saving, somebody will have to do some effective pioneer work in many dying communities at once. Somebody with courage and the firm conviction that the country community has a mission to perform must rise up to show the boys and girls and the men and women that the little unit can be made just as effective as the big unit in town, and that it is far safer and more pleasant to have a neighborhood spirit that binds folks together than one that tears them asunder.

It may look like a big proposition, and it is a big one, but it pays to undertake the task of purifying and elevating the standards everywhere. It pays in money to have a community that holds together, for nobody wants to locate in a neighborhood where nobody knows his neighbors or cares to mingle with them, but it pays in the finer, higher things of life far more. The people who live in your neighborhood are the same kind of people you meet in town and elsewhere, only you do not know them as well as you should. Start the ball rolling and you will see how eagerly people will help restore the kindly neighborhood spirit that will spread and grow until the tide will be turned away from the cities and young folks will look to farming as an honorable, paying investment in which to put their capital of health and strength and enthusiasm for a whole healthful, happy lifetime.



Disarmament.

IT is Armistice Day as I write. Just three years since there burst forth upon the world the greatest manifestation of joy that humanity had ever indulged in. The war had come to an end. And today the nations meet in solemn conclave in a united effort to keep it at an end. The fire department siren announces the silence period, when for a brief space of time the whole nation ceases from its labors and bows its head in silent supplication for the success of the disarmament conference. Let us hope that the divine providence which rules the destinies of the world may direct the efforts of the delegates into channels that will work.

Cornering the Corn Crop.

The annual battle between winter and summer is on again. Winter is taking the offensive today and is making substantial progress. There should be many pleasant days, however, before she finally takes possession but her aggressiveness is a strong reminder that it is time to hasten the fair

weather jobs. Getting in the corn crop is one of these. It is about half husked; next year's supply of seed is provided for, though there is room on the seed corn racks for many more bushels. We usually aim to have them full at an earlier date, but the crop was so thoroughly matured this year that there has not been the usual necessity for extra early drying, and the numerous jobs incident to the hog sale have occupied pretty much the attention of the whole force.

The entire crop was cut with corn harvester and set up in large shocks this year. The stover as well as the grain is in good shape to withstand the inclemencies of the weather for some time without great damage. Last year about one-third of the crop was

ensiled and the remainder husked on the stalk. Now I imagine I hear the reader asking questions. Why did we not fill the silo this year? Why were we so slack as to leave corn standing to be husked on the stalk last year? Well, there are good reasons. We have been taught a great deal about the right and wrong way of doing things, and many of us have formed a habit of doing things just so year after year with religious regularity. This is an admirable practice generally, but one of the character building elements of farming is that efficiency calls forth initiative in suiting action to environment or circumstances, and often the most efficient practice necessitates rather radical changes in our customary way of doing things. For instance,

last fall we were facing the problem of foreign labor at exorbitant prices, and our big mows were running over with roughage. The field in which the corn grew was greatly in need of organic matter. We could husk the corn standing at about the same expense for labor that we could cut it, put it in the shock and pick up the scattered ears. The work would be done and the roughage left where it would do the most good. It would have cost us the full feeding value of the stover to have the shocks husked. In addition we would have had to pick up the corn, haul the stover to the barn and back again, all for the satisfaction of keeping up the habit.

This year the story has been quite different. Our only reason for not filling the silo was that past experience had taught us that with but twenty cattle to feed from an eighteen-foot silo, enough silage would spoil and be wasted to more than offset the saving in feed. Our silo was built when we were feeding steers and was made to accommodate fifty or sixty head. We

Francisco Farm Notes

By P. P. Pope

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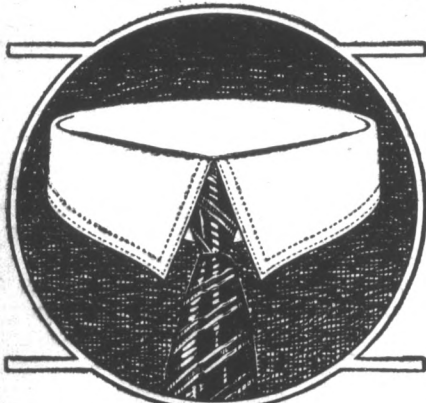
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hope soon to have more cattle or a smaller silo. The hay crop was shorter than common this year, and although there is a plentiful supply of the choicest clover and alfalfa, we will need to carry as much of it as possible over for another season on account of the total loss of our this year's seeding. So we plan on making the best possible use of our rough feed, thinking that by so doing we may be able to get by next year without the necessity of growing a special hay crop. This plan will work out all right if the alfalfa does what we have a right to expect. In addition we have been able to handle the crop this year without

Farmer Pope

THIS is the likeness of the author of "Francisco Farm Notes." His name is P. P. Pope. Mr. Pope is a real Michigan farmer. On his farm he wears overalls, but he slips on a white collar when he goes to the photographer. Last week he gave a description of Francisco Farm, from which he gets his living. No frills or furbelows are practiced by Mr. Pope, he follows good plain methods of farming—methods that stand on their own feet. You will be interested in following each week his notes on what he is doing and why he is doing things as he is. Not infrequently will he venture to tell of the work of his brother farmers from actual visits to their farms.



P. P. Pope.

the employment of extra help, and with suitable weather the bulk of it will be cared for by the time this copy reaches the reader.

The Hog Sale.

Perhaps our readers would like to know what we think by this time of the practice of selling pure-bred hogs at auction. This is a practice that is coming more and more into vogue in Michigan. There are many advantages as well as disadvantages in this way of disposing of the season's production of hogs. I think on the whole it is a good thing for both the breeder and the buyer, and I believe pure-bred hog sales as a regular part of the season's business are here to stay on an increasing number of Michigan farms. Like all new practices it takes time and patience and in many cases financial sacrifices before success is assured. First sales in any community always bring out a curious crowd; people who come to look on; people who come to see what a pure-bred live stock auctioneer looks like, how he works and what he says. And why shouldn't they? It is but natural. It is the unknown that creates suspicion. Later on as the newness wears off and the practice becomes established, these same curiosity seekers become good bidders, and once a man buys in public he likes to continue his buying that way. There is a stimulus that comes from matching his wits, his judgment, his bidding against the other fellow that he likes.

We have sold pure-bred hogs at auction now four different times and I am sure I am safe in saying that each sale has been better than the one preceding. None of them have failed to pay a reasonable margin over and above the market price for the hogs and actual cost of conducting the sale. At the same time none of them so far have given as good a return as we would have secured had we sold the hogs at private sale. But to make forty

or fifty sales at private treaty requires a great deal of time and an immense amount of correspondence, and brings in the returns in dribbles, a little here, a little there, over a long period of time. The public sale makes strenuous work for a few days, but it adds that personal touch that we all like, cleans up the surplus all at one time and brings in the returns in a lump sum. Prices at our recent sale did not rule high. They were very conservative, but they paid out. I think the same could be said of every pure-bred hog sale held in Michigan this fall. That is more than can be said of many other enterprises of the farm during the year just past. This fact is encouraging to us. With the process of liquidation still going on, and money the tightest ever known, the total returns from the hog sale are nearly double the market price. After deducting the total costs of the sale there is still left a comfortable margin of approximately \$200 on the thirty-three head, or a little over \$6.00 per head for the blood. This is nothing to boast of and would look like a rather poor showing in normal times, but under present conditions we are satisfied. It seems to me that now is the time for us to keep our feet on solid ground, buy conservatively, feed efficiently, advertise consistently, and not lose sight of quality and usefulness in our enthusiasm for blood lines. And if we do that, there is a big field for improvement and production ahead and the raising and selling of pure-bred hogs at auction looks enticing.

MORTGAGE FORECLOSURE.

What is the law in regard to foreclosure on real estate mortgage?

There are treatises on this subject in several volumes, but a short answer to the question might be, that there are two methods of foreclosure—by advertisement under the statute, and by suit in chancery. The first is slightly cheaper but not so secure against the effect of error. Either method takes about fifteen months under the Michigan statutes.—J. R. R.

LIABILITY AS SURETY.

Eight years ago I went as security for a neighbor on a gas engine for \$200. The party has been renewing the note three times a year ever since and still owes \$140. Is it lawful? Am I obliged to either pay or keep on signing the note, or can I refuse to sign it without paying it, I am convinced that the man will never pay the note. He has sold the engine and has used the money for other purposes.—F. D.

The only way for the indorser to escape is to induce the payee to release him. If a renewal is accepted from the debtor without the consent of the surety, the surety is discharged. The surety may pay up at any time and sue the debtor himself.—J. R. R.

FREIGHT RATES.

Five years ago I sent some household goods from Alma through Grand Rapids to Dowagiac, and I paid the price asked for same. Since that time I have received two letters demanding more cash, around \$4.00, saying that I hadn't been charged the correct rate. While I always want to be honest, I feel as though it is no fault of mine.—O. W. S.

If the local agent quoted and the shipper paid the wrong rate, he is liable for or entitled to recover the difference to make up the correct rate. The rates claimed by the railroads are regulated by the interstate commerce commission and the state railroad commission.—J. R. R.

"The requirements of a good farmer are at least four: The ability to make a full and comfortable living from the land; to rear a family carefully and well; to be of good service to the community; to leave the farm more productive than it was when he took it."—Liberty Hyde Bailey.



SPORT!

The wrong underwear surely is a "spoilsport" for the outdoor man.

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Two Views on Rural Schools

THE RURAL SCHOOL.

I AM a reader of the Michigan Farmer but I do not get all "het up" and excited over everything I read in the Michigan Farmer or anywhere else, and I would advise S. McQ. in the Michigan Farmer of October 22, 1921, to keep his shirt on and keep cool.

I am farming and am enjoying the pleasure of chapped skin and deep bleeding cracks on my hands, the result of husking corn simply to enable my only boy, now ten years old, to attend the one-room rural school. He is going to have the best there is, and I think he is getting it.

Americans unconsciously are trying to imitate the educational system of the Germans. What will we have when the educational system advocated by some of our professors and educators are adopted?

What is the difference between the average American and the average German. Nothing more than the product of two different systems of education. Our one-room school system of education has developed a class of men and women who are resourceful and have initiative. The boy, the product of our one-room school can turn his hand to most anything. His brain works fast, he is observing and in an emergency is there with bells. For quick results put the product of the one-room school on the job. If you have lots of time and are in no hurry, then you can put on the job the product of the educational system that casts in moulds and gives a certain number of hours or minutes to each subject each week.

The boy or girl to be really useful and successful must have a broad foundation. It is no mystery to me why a much larger per cent of the boys and girls, who have spent the first eight years of school life in the one-room rural school, are able to make good in an office after finishing the commercial course in the high school than those who have been city trained. Is it really too bad that the rural children must spend some of their time in productive farm work? Would it be more profitable to the child to run wild on the streets?

Now if Ex-Governor Ferris or Henry Ford had not been compelled to waste so much of their time husking corn and doing farm chores before daylight and after dark while they were boys



there is no telling what they might have been. While now they loom up in a class by themselves, W. N. Ferris might have been an unknown professor and Henry Ford a punch press feeder or bunch grass feeder.

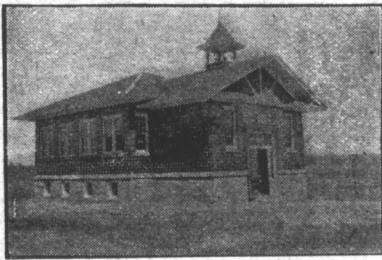
Mr. S. McQ. just quit your worrying. All the children of Michigan now have at least nine months of school each year. A college or university education is not absolutely essential to teach Young America to become resourceful and have initiative. The teacher who is just barely able to pass the examination for a second-grade certificate after her allowance of third-grade certificates has been exhausted may be able to do the job and meet with greater success than others. Let us get rural raised and rural educated teachers for our boys and girls and the United States will main-

tain its position of being the most resourceful and initiative people on earth.—W. C. KUGLER.

THE CONSOLIDATED SCHOOL.

EVERY reform measure has had its bitter antagonists. When the reaper was introduced into England, the farm laborers wrecked and burned the machines because it was thought it would throw them all out of work. Far be it from me to criticize the antagonists of the consolidated school. They are sincere and no doubt very kindly folks. I write this with the hope that it will shed some light upon this debated question.

I have taught in six states of the middle west, from Mississippi to Michigan, from Indiana to Dakota, in the



most primitive of rural schools to the best equipped high school. I might add that I am a farmer now with a family of children, so I have a personal interest along with my wide experience.

Here are some arguments against the one-room rural school; I speak from knowledge born of experience.

The rural schools are insanitary. There is rarely any provision for ventilation. The floors are in a filthy condition. The toilets are unspeakably filthy; this last is especially true of the boys' toilet, if the teacher is a woman and no adult janitor is employed. Investigate for yourself if you doubt this.

The water supply is almost always poor. Very few rural schools are equipped with sanitary drinking fountains, and where there is one, it is almost always out of order. Individual drinking cups are not a success. They are used for about the first week and then you will find most of the pupils drinking water from a common cup.

In the last rural school I taught there was a water pail and one cup. Two of the pupils had tuberculosis, yet all drank from the same cup. Five of the pupils have died from tuberculosis since I taught there a few years ago.

The rural schoolhouse gets cleaned once a year whether it needs it or not. Between times the janitor—often one of the boys—sweeps without sweeping compound and dusts with a feather duster. As a consequence the dust of ages settles on everything, that is, the dust which does not find its way into the pupils' lungs.

The teacher in the rural school must hear at the least twenty-four classes a day, and some have over thirty. Divide the actual school time into twenty-four parts and it leaves but a very few minutes to a class. Class periods in the consolidated school average forty-five minutes, with ten minutes more for supervised study.

In rebuttal people will say: "All those things were true of the schools we older ones attended, yet we made strong and healthy adults." That is true enough, but it was the work of the old law of the survival of the fittest. Study the old graveyards and read the pitiful records of the little ones. Note again how the number of little mounds is all out of proportion with the natural number of large mounds.

(Continued on page 500).

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Late Agricultural News

M. A. C. TO JUDGE AT INTERNATIONAL.

FOR the first time in more than ten years M. A. C. will be represented by a student judging team at the International Live Stock Show at Chicago. Seven men for the team have been chosen by competitive tests. They are: L. E. Johnson, Sumner; G. E. Tichenor, Dowagiac; L. E. Harper, Middleville; J. D. Walker, South Byron, New York; A. R. Schubert, Hancock; H. L. Wright, Toledo, and W. F. Case. The Aggie students are being coached by Prof. George A. Brown, of the animal husbandry department. A score of the leading agricultural colleges of the country will enter teams.—H.

BEANS BRING PROFIT.

BEANS were far and away the best proposition Michigan farmers had this year, says the Michigan Elevator Exchange. For the past two months the price to the producer has been about \$4.00 a hundred, with the result that almost half the Michigan crop has been marketed during the past six weeks. Receipts at many points have been two to three times what they ordinarily are, and indications are that there will be an increased acreage of beans next season.

Comparing the average Michigan yield of beans per acre to the average yield of wheat and the price paid for both this year, it is easy to see how much better fared the fellow who had some beans. The average yield of beans in Michigan is nineteen or twenty bushels per acre, and there are yields of thirty to thirty-five bushels per acre. The average yield of wheat per acre in Michigan is about fifteen bushels. Beans at \$4.00 per hundred equal \$2.40 a bushel to the farmer. Figuring a yield of twenty bushels of beans to the acre, the producer's return this year on an acre of beans has been about \$48. More if his yield were higher, and correspondingly less if he fell below twenty bushels. Wheat at an average of fifteen bushels per acre this year has brought a return of about \$15 per acre.

Michigan has come back into the lead as the nation's largest producer of beans. California held this position for two years during the war when pea beans advanced to ten cents per pound.

The Michigan Elevator Exchange, the largest farmers' cooperative elevator association in the state, estimates that it will handle 175 cars of beans during November.

GRANGE TO MEET AT FLINT.

THE forty-eighth annual convention of the Michigan State Grange, to be held in Flint, December 13-16, inclusive, will be one of the most important meetings the organization ever has called, according to A. B. Cook, of Owosso, master of the Grange.

“Several outstanding problems are to be met and solved at this session,” Mr. Cook said. “In addition to a number of grave public questions that must be considered, a future course relative to grange policies and expenses will be decided upon. These changes are necessary because of drafts upon our reserve funds this year.”

Cooperation the Kefnote.

The grange is expected to consider in some form proposals that have been made in recent years for a closer affiliation between farmers and working men in the cities through cooperative markets. This matter has been discussed at previous meetings of the organization; and the annual convention of the Michigan Federation of Labor, held in Grand Rapids some

time ago, approved the cooperative marketing plan. Representatives of the grange and other farmer organizations were invited by the unionists to attend the labor meeting.

One of the big discussions at the Flint gathering is expected to come over the decrease in the price of food-stuffs. Considerable dissatisfaction over prices has been voiced in all parts of the state among agriculturists and those who have expressed an opinion on the subject, both in private conversations and in farmers' meetings, have let it be known that the farmers, as a class, believe they are not obtaining their share of the price city people are paying for commodities. This problem will be discussed on the floor of the convention and it is expected that resolutions of some sort will be drafted and presented to the grangers.

The first day of the meeting will be set aside for welcoming of the delegates, the annual address of the master and other preliminary features. At the banquet the chief speakers will be President M. L. Burton, of the University of Michigan, and Professor David Friday, new president of the Michigan Agricultural College. In view of President Friday's new position his address is eagerly awaited not only by members of the grange, but by other farmer organizations as well.

The third day's program will be devoted to reports of the officers and conferring of the fifth and sixth degrees. On the closing day committee reports will be submitted and acted upon.

STOCKMEN RATIFY MARKETING PLAN OF COMMITTEE OF FIFTEEN.

LIVE stock producers from all parts of the country met in Chicago on November 10-11 to consider the plan of cooperative marketing prepared by the Farmers' Live Stock Marketing Committee of Fifteen. After much discussion the plan was finally adopted by a unanimous vote.

The Committee of Fifteen was appointed by J. R. Howard, president of the American Farm Bureau Federation as the outcome of a live stock marketing conference held in Chicago in October, 1920. The committee itself represented in large measure all the varied interests in the live stock industry.

The cardinal features of the plan as submitted to the delegates include (1) the formation of producers' live stock commission associations at terminal markets which will perform the duties of a commission company on a cost basis. Members will include cooperative shipping associations and also individual live stock producers.

(2) Producers' stocker and feeder companies will be established at the stock yards to handle the stocker and feeder animals which cannot be sold direct to live stock producers through the terminal commission association. All profits made in handling such animals will be pro-rated after deducting a percentage to provide a commercial reserve. Members of terminal commission associations will be members likewise of the stocker and feeder company.

(3) The establishment of a National Live Stock Producers' Association whose members will be the individual producers and cooperative shipping associations which are members of terminal commission associations.

(4) The organization of cooperative shipping associations on a local basis exclusively or in county or regional units to be allied with the dominant farmers' organization in the state where they are located is to be stimulated.—HAYES.

ABOUT THE FARM

Farm Practices and Experiences Tersely Told

EXPERIENCE WITH INOCULATION.

MR. JOHN MARSHALL, of Allegan county, has had some experience in inoculating the alfalfa plant to produce nitrogen-gathering bacteria. He has a small patch of alfalfa south of his house on a portion of which he used the commercial culture and on the remainder soil from an old field where alfalfa had been successfully grown. The stand where the culture had been used was very poor, while almost a perfect growth had resulted where soil inoculation was used. It is probable that the culture used was not good.—W.

JUNE GRASS IN ALFALFA.

FARMERS who are attempting to grow alfalfa on lighter soils find some difficulty with June grass. Wherever the alfalfa is thin, the grass gets a start and competes for space to the disadvantage of the alfalfa. In order to give the alfalfa plant a chance under these conditions, Mr. Rather, of the extension staff of the M. A. C., suggests the use of the spring-tooth harrow. The teeth on this implement should be set to cut deep. This will tear out the June grass, but will not injure the alfalfa roots. Harrowing should be done in both directions right after the first cutting of hay. The owner may feel that he is over-doing the thing but he should not be disheartened by finding all vegetation covered with the harrowing. The June grass will be largely killed, but the alfalfa will come on faster than ever as a result of the cultivation received.—B.

EMPHASIZES FEEDING VALUE OF ALFALFA.

THE article on "A Generation of Alfalfa Experience," by I. R. Waterbury, in your issue of October 15, is of more than usual interest to me and should appeal to a large majority of farmers in this section of the state (Berrien county).

Our soils are generally sandy loam, the kind that needs constant rebuilding to keep up production. The writer has been growing alfalfa for a number of years with highly satisfactory results, both as a seasonal crop and for maintaining soil fertility. A number of other farmers in this locality are seeding to alfalfa in a small way, but taken on the whole, this planting is far too limited for the good of the land.

The excellent article from Mr. Waterbury should, and doubtless will, arouse further interest in the growing of this plant. There is one feature, however, not brought out by Mr. Waterbury—and the main reason, I think, why the alfalfa acreage is so limited in this locality. I refer to that of its feeding value. The impression quite generally prevails among our people who have not used it that it is suitable for cows only; that for horses or other animals it is not a desirable feed. I also held this view at one time, but since growing it on my own farm I have learned that aside from its being a superior cow feed it is equally valuable for horses, sheep, swine and poultry—that, in brief, as an all-round ration for farm animals it holds first place. In my experience with a farm team of horses, I have fed nothing but alfalfa (no grain whatever) during the active farming seasons. On this ration our horses keep in fine condition and health. They are always in good flesh, hard, fit and right up to the job.

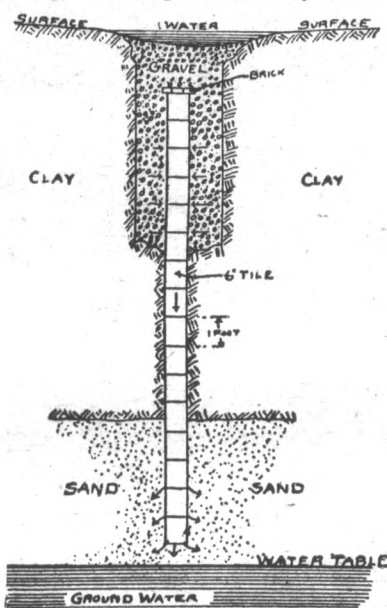
Not having alfalfa pasture available, we feed both green and dry alfalfa hay to the hogs with good results. Our chickens find a considerable share of their living on the alfalfa fields from early spring until freeze-up in the fall. In the winter this is their green feed. It can be fed dry but is better when moistened by steaming—it then becomes the ideal winter feed for laying hens or other fowls.

If you can give some space to this matter of feed value it should serve to remove a prejudice so many hold against one of the very best crops for our character of soil. Many of our farmers are engaged in small fruits and truck growing. This, where but small amounts of moisture is produced, calls for something to maintain or restore soil fertility. To meet this need large quantities of manure is shipped in, at an ever-increasing cost. This expense could be materially reduced, and the fertility of the land preserved by rotating to alfalfa.

With an increased planting to alfalfa we will have a rejuvenated soil and greater crop production in southwestern Michigan.—H. G. KRAKE, Berrien County.

VERTICAL DRAINAGE.

OCCASIONALLY the ground formations are such that one can drain a pond or low spot by the vertical method. This is done as illustrated in the accompanying cut. A hole is dug through the impervious clay into the



more-porous strata below. Crocks are put in and the grated top over the crocks is covered with coarse gravel so that the water will percolate through and run down to the lower levels. It is obvious that to succeed with such a method one must have just the right conditions which obtain in only a comparatively few instances.

CONVENIENT BARN.

WHILE we were taking our morning meal at Fenville, the other day, County Agent Bentall, of Allegan county, stated that when it comes to building convenient barns we must take off our hats to the Hollanders. For instance, they construct their stables so as to have a covered shed with only a low partition between immediately behind the cow stalls. The manure is thrown from the stables into this shed where it is trampled upon by the animals running loose. This arrangement not only makes for convenience in cleaning the barns, but it also preserves the manure in the best possible shape and makes it possible to remove it when desired.—W.



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COW-TESTING A BUSINESS PROPOSITION.

IN Van Buren county we have grown from one association to two. From this we conclude that interest in the work is growing. This is not considered much of a dairy community, it being really a diversified farming district. We have found out that dairying goes well with other kinds of farming.

One man expressed himself like this: "I am a fruit man; it is my business and I expect to follow it the rest of my life. Before I began keeping cows, I had to go to the bank and borrow \$500 every spring to keep up my expenses until fruit ripened. Then the first fruit had to go to the bank to pay the money back, but since I have kept my cows they pay these expenses and when the fruit comes, it is mine. I am going to take good care of my cows. They are also building up my farm, and I have better fruit." He is well satisfied with the association work and thinks it is a great help in building up his herd. He has some registered cows and plans next year to do some semi-official work.

There are other fruit men who believe cows and fruit go well together, and being progressive men, they believe that testing is the only way to find good cows, and they are the only ones that pay.

Perhaps the most noticeable results were obtained by two brothers. They were young men who wanted to build up a good dairy herd, one that would pay. They asked me about it and if I would advise them to start in the testing association. After talking the matter over, they decided to begin. While the first test was disappointing in a way, it showed there were possibilities. They began to feed better and be more regular about the care of the herd. After two or three tests, they began to cull, and at the end of the year it was a surprise to all of us, the results they had obtained in so short a time. They both said that they had never invested any money that had given them such large returns. They are in the second association this year. I don't know how they are coming, but I know that they are going to make improvements again this year, for they have found that it pays.

Those who have been testing for several years look at it as a business proposition. It enables them to know just what they are doing. While most of them don't realize it themselves, they take enough better care of their cows to more than pay all expenses of the testing. They get more interested in their business, and it is like getting the next chapter in a very interesting continued story to have the tester come and find out what their cows are doing this month. If the tester has the interest that he ought to have, he is just as interested to find out, too. It is really a very fascinating work.—M. S. THOMAS.

BEE MEN TO MEET.

HOW to market this year's bee crop, which is usually large in Michigan, will be the most important subject to be discussed at the annual meeting of the Michigan Beekeepers' Association at Lansing the first three days in December.

Among the speakers will be Prof. H. F. Wilson, of the University of Wisconsin, on "The Needs of Cooperative Marketing," and George W. Dial, manager of the Michigan Honey Producers' Exchange, whose subject will be, "Some Marketing Problems." Rev. J. W. Stine, of Burlington, Iowa, will discuss "Developing the Home Market."

Because of the splendid crop which prevailed in many portions of the state this year, a record attendance is expected, according to R. H. Kelty, of M. A. C., secretary of association.—H.

PREPARING EDUCATIONAL EXHIBITS.

THOSE who visit the International will, among other things, see the big exhibit of the Federal Department of Agriculture. In the ten booths and large number of panels one can find various activities visualized. An interesting illustration of the value of using better sires and better stock features the display. Another pen will demonstrate the type of feeder steer that is most economical to feed, the kind of feeds to use and how a finished steer should look. Other booths will show a properly devised system of hog farm sanitation, the story of keeping sheep on the farm, how one may have beef cattle accredited, etc. A new and effective method of worm eradication in hogs will also be in this exhibit.

EDUCATIONAL WEEK.

PROBABLY no public service has suffered more from unintelligent criticism than the public schools. In order to impress upon the public the accomplishments and needs of our schools and to secure cooperation and support in meeting these needs as well as to teach and foster good Americanism, Educational Week will be held on December 4-10. This program is under the auspices of the American Legion and the National Educational Association. To the end of making the program a success all communities are urged to observe the week. All persons and agencies should cooperate to the end of making the work of our public schools more effective and efficient.

THE CONSOLIDATED SCHOOL.

(Continued from page 497).

There is but little if any playground supervision in rural schools, and as a consequence iniquity abounds. Right now my wife and I are struggling impotently against the rotten filthiness which is being dinned into the ears of our little girl who is attending a rural school for the first year.

It is better for the children to wade a mile or two through mud or snow or be taken in a school bus? The old argument against the school bus is not applicable now that we are rapidly building improved roads.

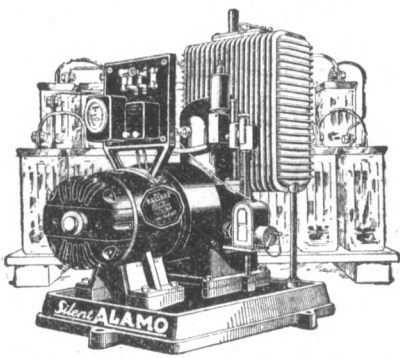
Too large a proportion of pupils in rural schools quit school at the end of the eighth grade. This is because there is no connection between the eighth grade and high school. In the consolidated school, especially with the junior high school, there is no perceptible break between the eighth and ninth grades.

Teachers in consolidated schools are hired for their fitness for a special work. The primary teacher is trained for that one work, the high school teacher ditto. In the rural school one teacher teaches all subjects and all classes, regardless of her training. Obviously she cannot be good in all subjects. The pupils reflect her weakness in any one or more subjects.

I do not condemn all rural schools. Here and there we find a teacher of exceptional merit and her school reflects her personality. There are many good rural schools but the best of them are not as good as a consolidated school. In their very nature they cannot be. No one teacher can do it all, no matter how good she may be.

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Stock Farming

A GOOD AND A POOR MARKET.

WE are looking for good markets. One farmer, a member of a cow-testing association, discovered such a market on his own farm. He also found a market that paid less than market prices. The good market was his cow, Nell, while the other was Old Brindle.

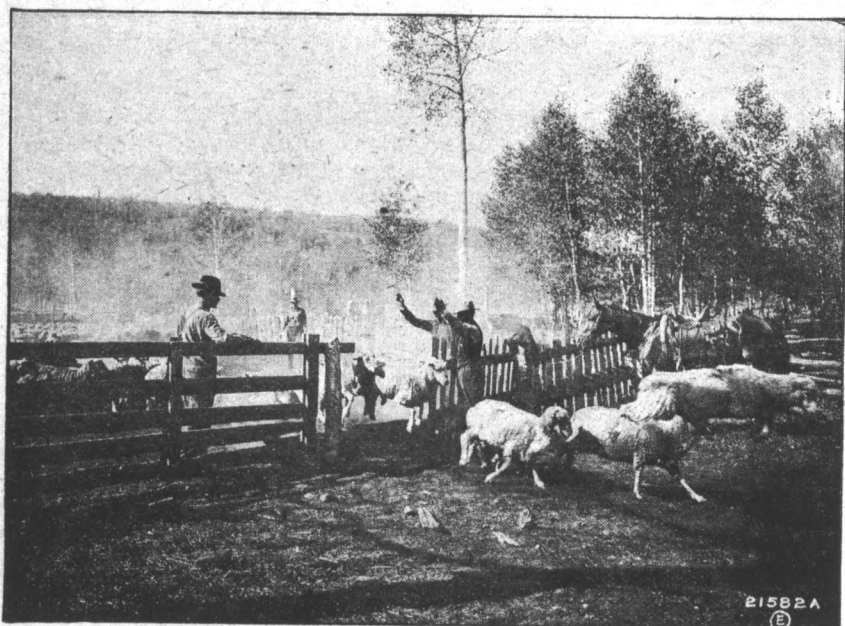
At the time this record was made, corn was worth fifty cents, oats twenty cents, silage \$5.00 per ton, and hay \$15; when he fed these different feeds, properly balanced, to Old Brindle, he received forty-three cents for his corn, twenty-six cents for his oats, \$4.25 for silage and \$11.75 for his hay. In other words, Old Brindle failed to return the market price for these farm feeds. In the same herd this farmer kept Nell. She was given the same care and the

rels after they have been well cleaned. Chop the potatoes and add two per cent of corn meal. Place the silage in the barrels and weight down with rocks after the fashion of weighting down sauerkraut. Do not feed for several weeks."

MICHIGAN AT THE LIVE STOCK MEETING.

THREE Michigan men were present at the meeting of national live stock producers at Chicago, November 10-11, when the marketing report of the Farmers' Live Stock Committee of Fifteen was adopted unanimously. The plan looks forward to improving live stock marketing conditions through the cooperation of the producers.

Michigan men present at the ratifi-



Michigan Sheep Are Producing Wool that Has a National Reputation.

same feed as the other cow. The returns, however, were quite different. This cow paid the farmer ninety-three cents for corn, fifty-six cents for oats, \$9.30 for silage, and \$27.90 for hay.

It was worth while for this farmer to belong to a cow-testing association. It was the cow-tester who discovered this good market. A whole herd of cows like Nell might be developed, providing one has at hand all the means of picking out the animals that will return good profits on the feed given them. The cow-testing association furnishes the members with this necessary knowledge.—W.

PORK FOR FARM CONSUMPTION.

A HOG of medium condition gaining rapidly in weight yields the best quality of pork. Large amounts of fat are objectionable. A reasonable amount gives juiciness and flavor to the meat. Smooth, even and deeply fleshed hogs produce the nicely marbled cuts. The meat of old hogs can be greatly improved if the animals are properly fed, but young pigs from eight to twelve months old will furnish the home with a far more desirable grade of meat.

POTATO SILAGE.

A SUGGESTION codes from a Minnesota demonstration farm which may be of interest to Michigan potato raisers. This hint of making use of the small tubers and cull stock is described in the following words: "Time will be well spent this season in salvaging the unmarketable potatoes. Store this stock in a frost-proof place and then on the first rainy day convert it into silage, using the ordinary bar-

rels after they have been well cleaned. Chop the potatoes and add two per cent of corn meal. Place the silage in the barrels and weight down with rocks after the fashion of weighting down sauerkraut. Do not feed for several weeks."

The Farmers' Live Stock Marketing Committee of Fifteen was appointed last January by President Howard, of the American Farm Bureau Federation. The report made by the committee was adopted with scarcely a change. The committee's plan for national cooperative marketing of live stock contains four main features:

1. The establishment of Cooperative Producers' Live Stock Commission Associations at terminal markets.
2. The organization of a National Live Stock Producers' Association, whose board of directors shall put the plan into effect and direct its working.
3. The establishment of Producers' Stocker and Feeder Companies in connection with the Terminal Commission Associations.
4. The establishment of cooperative live stock shipping associations at shipping points where available business will justify and local sentiment will generally endorse them.

HORSEMEN MEET.

A MEETING of the Horse Association of America will be held at the Hotel Morrison, Chicago, on November 30, during the International Live Stock Exposition. A round-table discussion will feature the afternoon session and at seven o'clock in the evening a banquet will be held.



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and here's what it means to you. 500 revolutions a minute is the speed of the engine that runs the Home Light Plant—a **low speed**. It saves wear on moving parts and that's why it costs you practically nothing to maintain. It **simplifies** the engine and that's what makes it easy for you to keep your plant going. The dynamo is belted because it should run **faster** than the engine.

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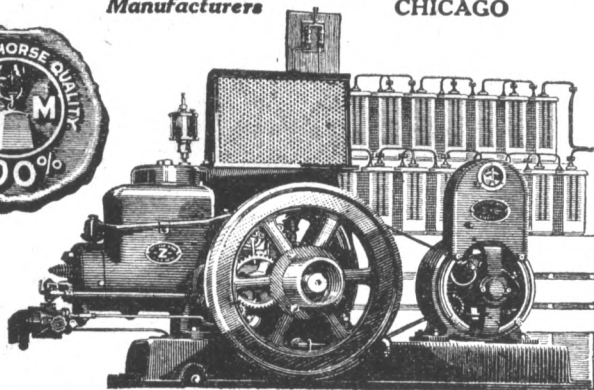
To start the plant simply push a button—you don't have to crank it. And it's just as easy to stop it.

All in all, you certainly must admit that this Home Light Plant is just made for **you**—simple, few parts, easy to run. And you can buy it at a new low price—complete and ready to give you an abundance of light and power.

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Horticulture

YELLOW S CAUSES CABBAGE LOSSES.

CABBAGE yellows were quite severe in fields about Charlotte this year and great losses have been sustained by growers. In some instances the losses run as high as \$1,000. The Eaton County Farm Bureau is advising the growers to plant disease-resistant varieties next year. The Wisconsin Experiment Station has undertaken the growing of two disease-resistant varieties—the Wisconsin All Seasons and the Wisconsin Brunswick. While the seed of these two strains is somewhat limited, the farm bureau is offering to attempt to secure a supply for all those in Eaton county who make known their needs.—R.

NURSERY ORDERS POOLED.

BENZIE county fruit growers are pooling their nursery stock orders with the County Farm Bureau in an effort to secure better rates from the nurserymen. The pooled order probably will be given to the lowest bidder guaranteeing the best stock. Growers at first, especially the cherry men, had voted not to buy nursery stock until prices came down to a reasonable level, but later reconsidered their action when the pooling plan was devised.

THE MICHIGAN FRUIT VARIETIES SHOULD BE STANDARDIZED.

UNLESS Michigan fruit varieties are standardized, the state's reputation as a leading horticultural section is in danger, say M. A. C. officials. Consequently they are preparing to urge orchardists at the annual meeting of the Michigan Horticultural Society at Grand Rapids in December, that a few reliable varieties be adopted. It is pointed out that eighty varieties were included in apple shipments made recently from one point in the state.

"There should be two lists from which to choose," says W. C. Dutton, of the M. A. C. Horticultural Department. "One should be for the grower who will raise large quantities of a few varieties and ship in carlots, and one for the grower who sells on a local market and wishes a succession of varieties over the longest possible period. Conditions are so diversified in Michigan, however, that the same varieties cannot be recommended for all parts of the state. Such a list would have to be divided into districts."—H.

WINTER PROTECTION FOR THE STRAWBERRY PLANTS.

UNDER the most favorable seasonal conditions winter protection for strawberry plants is absolutely essential to a profitable crop of fruit; what, then, may be said when winter conditions are unfavorable? It is safe to say that strawberry plants that go through hard winters without protection will be of little value so far as profit is concerned, either for fruiting or for propagation. One needs only to try out the two systems, (if a method of culture omitting the winter mulch may be properly termed a system), to verify this statement.

Snow is an ideal winter covering for strawberry plants in so far as it may be depended upon; but even where it remains fairly constant during the greater part of the winter, its greatest value is not as a substitute to other materials but as a supplemental protection. Even where snow comes early, falls deep, and remains late, there still remains a period of time when

frost action may work more or less injury to strawberry plants. Strawberry plants that show up thrifty and green on the going of the deep snow covering soon part with this virgin vitality under the action of frost and sunshine. Dried up foliage quickly takes the place of the luxuriant greenness so essential to plant vigor and productivity.

Yes, the strawberry bed should have been given protection at the approach of winter, but, if this work was neglected it will no doubt still be a profitable proposition. The season is sure to be unusually severe on all kinds of vegetation. In most situations a pretty heavy application of material will be necessary to carry the strawberry plants through uninjured. Fortunately, our berry bed is favorably located as to windbreaks.

APPLE CROP SOLD.

MICHIGAN fruit growers will take a leading part in the first session of the American Farm Bureau Federation Fruit Marketing Committee of Twenty-one when it convenes in Atlanta, Ga., November 19. James Nicol of South Haven, one of the leading fruit growers in the state, and president of the Michigan State Farm Bureau, will preside at the conference. Mr. Nicol was named chairman of the committee last April during a national fruit conference held in Chicago.

The Wolverine growers have a plan which they propose to lay before the conference calling for state and sectional marketing of fruit. The idea is to effect certain economies in distribution by first cooperating with the canners to supply their needs and then to supply the fresh fruit trade more efficiently by eliminating duplication of effort. Better marketing methods, such as uniform grades, packing and packages also are included in the plan as well as a suggestion that an effort be made to advertise the fruit so marketed.

The conference will devote its entire time to a discussion of national fruit problems. It is quite likely that some action will be taken to secure legislation to prevent adulteration of fruit juices and fruit products.—R.

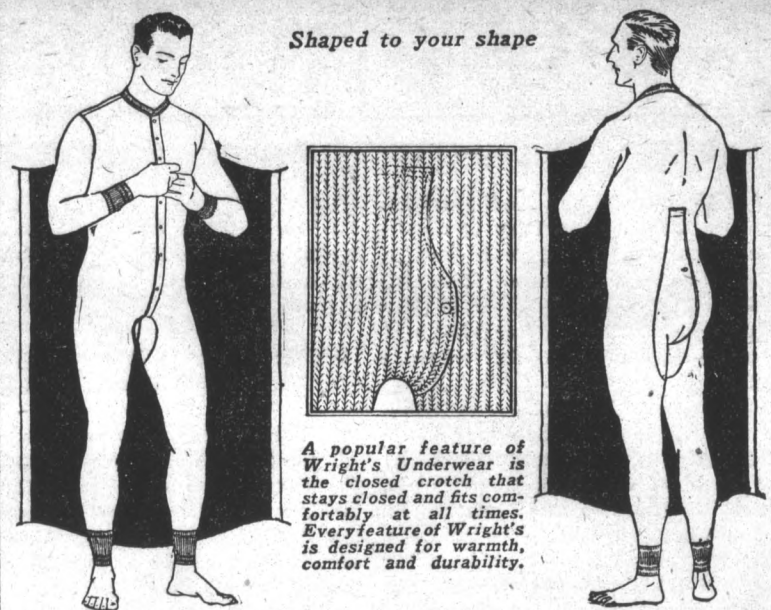
THE ANNUAL FRUIT GROWERS' MEETING.

A SHORT course in horticulture is in store for all fruit growers who attend the annual convention of the Michigan State Horticultural Society when it convenes in Grand Rapids on December 6-8. Some of the leading state, national and federal experts on horticultural subjects have been secured as speakers by Secretary T. A. Farrand, of East Lansing, and they will discuss every important subject and question of interest to fruit growers.

Many of the lectures this year will be illustrated, either by stereopticon views or motion pictures. Secretary Farrand is now in communication with the United States Department of Agriculture, seeking whatever films and views it may have on horticultural subjects for use during the convention.

An apple judging contest will be held in connection with the convention with the sons of the fruit growers as the contestants. An exhibit of modern equipment and chemicals used in present-day culture also will be shown during the convention.—R.

Says Sam: Sometimes I wish common sense wasn't so blamed uncommon.



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WORLD EVENTS IN PICTURES



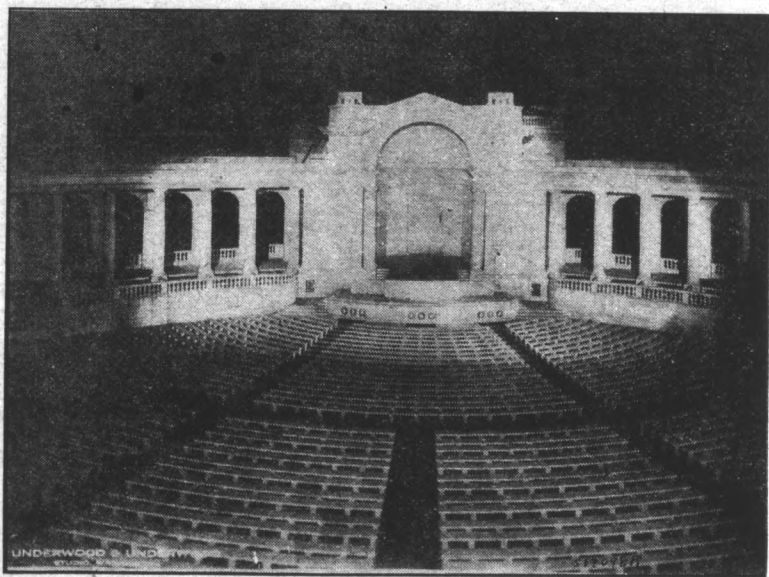
By wireless 35,000 hear America's greatest young woman pianist.



The portrait which is the cause of a \$500,000 lawsuit.



Messrs. Sarraut, Briand and Viviani, French delegates to the peace conference.



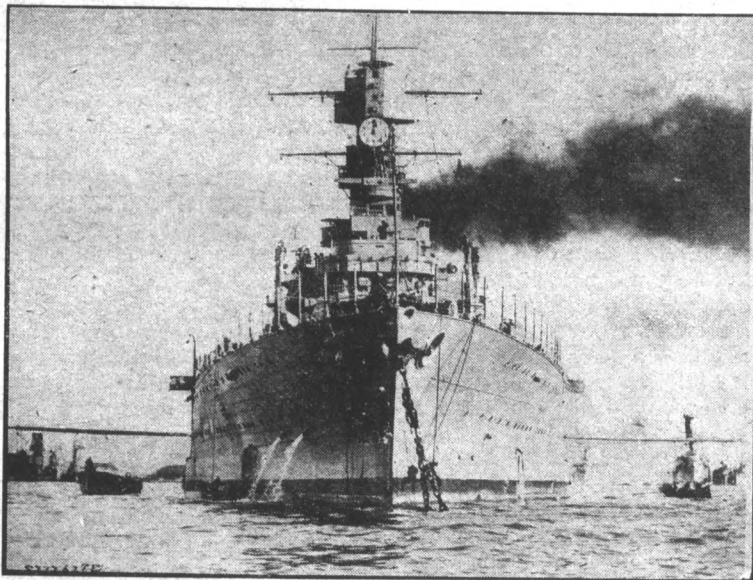
The amphitheatre at Arlington Cemetery where the funeral ceremonies of America's "unknown hero" were held.



After the French paid respects to America's "unknown soldier" the body was started on its way to America.



Strike causes New York multitudes to "line up" for milk.



The U. S. S. California, the pride of the Pacific fleet, at anchor in San Diego harbor.



A spectacular but serious "spill" for both jockey and horse.



A group of British delegates to the Arms Conference at Union Station, Washington, D. C.



Charles Hanson Towne, Mary Roberts Reinhart, C. G. Rosenbault, Mrs. Irwin, Booth Tarkington and Will Irwin cover Conference.

THE BLIND MAN'S EYES

By William MacHarg and Edwin Balmer

Copyright by Little Brown & Company

"I am not asking anything of you, you see," Eaton urged. "I'm not asking you to let me go or to give me any—any increase of liberty which might make it possible for me to escape. I—I'm only warning you that Mr. Avery and the conductor are making a mistake; and you don't have to have any faith in me or any belief that I'm telling the truth when I say that I didn't do it! I'm only warning you, Miss Santoine, that you mustn't let them stop looking! Why, if I had done it I might very likely have had an accomplice whom they are going to let escape. It's only common sense, you see."

"That is what you wanted to say?" Avery asked.

"That is it," Eaton answered.

"We can go, then, Harriet."

But she made no move to go. Her eyes rested upon Eaton steadily; and while he had been appealing to her, a flush had come to her cheeks and faded away and come again and again with her impulses as he spoke.

"If you didn't do it, why don't you help us?" she cried.

"Help you?"

"Yes; tell us who you are and what you are doing? Why did you take the train because father was on it, if you didn't mean any harm to him? Why don't you tell us where you are going or where you have been or what you have been doing? What did your appointment with Mr. Warden mean? And why, after he was killed, did you disappear until you followed father on this train? Why can't you give the name of anybody you know or tell us of anyone who knows about you?"

Eaton sank back against the seat away from her, and his eyes shifted to Avery standing ready to go, and then fell.

"I might ask you in return," Eaton said, "why you thought it worth while, Miss Santoine, to ask so much about myself when you first met me and before any of this had happened? You were not so much interested then in me personally as that; and it was not because you could have suspected I had been Mr. Warden's friend; for when the conductor charged that, it was a complete surprise to you."

"No; I did not suspect that."

"Then why were you curious about me?"

Before Avery could speak or even make a gesture, Harriet seemed to come to a decision. "My father asked me to," she said.

"Your father? Asked you to do what?"

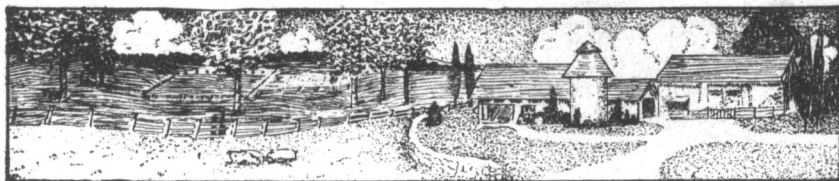
"To find out about you."

"Why?"

As she hesitated, Avery put his hand upon her shoulder as though warning her to be still; but she went on, after only an instant.

"I promised Mr. Avery and the con-

ductor," she said, "that if I saw you I would listen to what you had to say but would not answer questions without their consent; but I seem already to have broken that promise. I have been wondering, since we have found out what we have about you, whether father could possibly have suspected that you were Mr. Warden's friend; but I am quite sure that was not the original reason for his inquiring about you. My father thought he recognized your voice, Mr. Eaton, when you were speaking to the conductor about your tickets. He thought he ought to know who you were. He knew that some time and somewhere he had been near you before, and had heard you speak;



but he could not tell where or when. And neither Mr. Avery nor I could tell him who you were; so he asked us to find out. I do not know whether, after we had described you to father, he may have connected you with Mr. Warden or not; but that could not have been on his mind at first."

Eaton had paled; Avery had seemed about to interrupt her, but watching Eaton, he suddenly desisted.

"You and Mr. Avery?" Eaton repeated. "He sent you to find out about me?"

"Sent me in this case—more than Mr. Avery; because he thought it would be easier for me to do it." Harriet had reddened under Eaton's gaze. "You understand, Mr. Eaton, it was—entirely impersonal with me. My father being blind, is obliged to use the eyes of others—mine, for one; he has trained me to see for him ever since we used to take walks together when I was a little girl, and he has made me learn to tell him what I see in detail, in the way that he would see it himself; and for helping him to see other things on which I might be able to report so definitely and clearly, he has Mr. Avery. He calls us his eyes, sometimes; and it was only—only because I had been commissioned to find out about you that I was obliged to show so much curiosity."

"I understand," said Eaton quietly. "Your report to your father, I suppose, convinced him that he had been mistaken in thinking he knew my voice."

"No—not that. He knew that he had heard it; for sounds have so much meaning to him that he never neglects or forgets them, and he carries in his

mind the voices of hundreds of different people and almost never makes a mistake among them. It did make him surer that you were not any one with whose voice he ought to have been familiar, but only some one whom he had heard say something—a few words or sentences, maybe—under conditions which impressed your voice upon his mind. And he told Mr. Avery so, and that has only made Mr. Avery and the conductor more certain that you must be the one. And since you will not tell—"

"To tell would only further confirm them."

"What do you mean?"

"I mean they would be more certain

it was I who—" Eaton, as he blundered with the words and checked himself, looked up apprehensively at Avery; but Avery, if he had thought that it was worth while to let this conversation go on in the expectation that Eaton might let slip something which could be used against himself, now had lost that expectation.

"Come, Harry," he said.

Harriet arose, and Eaton got up as she did and stood as she went toward the door.

"You said Mr. Avery and the conductor believe—" he began impulsively, in answer to the something within him which was urging him to know, to make certain, how far Harriet Santoine believed him to have been concerned in the attack upon her father. And suddenly he found that he did not need to ask. He knew; and with this sudden realization he all at once understood why she had not been convinced in spite of the conviction of the others—why, as, flushing and paling, she had just now talked with him, her manner had been a continual denial of the suspicion against him.

To Avery and to Connery the attack upon Santoine was made a vital and important thing by the prominence of Santoine and their own responsibility toward him, but after all there was nothing surprising in there having been an attack. Even to Harriet Santoine it could not be a matter of surprise; she knew—she must know—that the father whom she loved and thought of as the best of men, could not have accomplished all he had done without making enemies; but she could conceive of an attack upon him

being made only by some one roused to insane and unreasoning hate against him or by some agent wicked and vile enough to kill for profit. She could not conceive of its having been done by a man whom, little as she had known him, she had liked, with whom she had chatted and laughed upon terms of equality. The accusation of the second telegram had overwhelmed her for a time, and had driven her from the defense of him which she had made after he had admitted his connection with Gabriel Warden; but now, Eaton felt, the impulse in his favor had returned. She must have talked over with her father many times the matter of the man whom Warden had determined to befriend; and plainly she had become so satisfied that he deserved consideration rather than suspicion that Connery's identification of Eaton now was to his advantage. Harriet Santoine could not yet answer the accusation of the second telegram against him, but—in reason or out of reason—her feelings refused acceptance of it.

It was her feelings that were controlling her now, as suddenly she faced him, flushed and with eyes suffused, waiting for the end of the sentence he could not finish. And as his gaze met hers, he realized that life—the life that held Harriet Santoine, however indefinite the interest might be that she had taken in him—was dearer to him than he had thought.

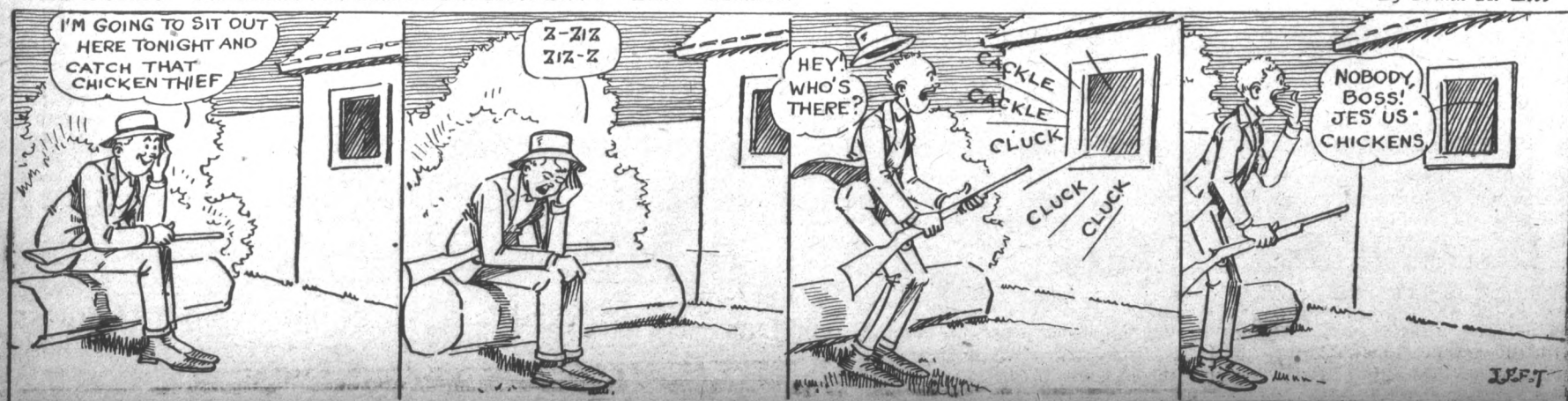
Avery had reached the door, holding it open for her to go out. Suddenly Eaton tore the handle from Avery's grasp, slammed the door shut upon him and braced his foot against it. He would be able to hold it thus for several moments before they could force it open.

"Miss Santoine," he pleaded, his voice hoarse with his emotion, "for God's sake, make them think what they are doing before they make a public charge against me—before they charge me with this to others not on this train! I can't answer what you asked; I can't tell you now about myself; there is a reason—a fair and honest reason, and one which means life or death to me. It will not be merely accusation they make against me—it will be my sentence! I shall be sentenced before I am tried—condemned without a chance to defend myself; That is the reason I could not come forward after the murder of Mr. Warden. I could not have helped him—or aided in the pursuit of his enemies—if I had appeared! I merely would have been destroyed myself! The only thing I could hope to accomplish has been in following my present course—which, I swear to you, has had no connection with the attack upon your father. What Mr. Avery and Connery

(Continued on page 511).

AL ACRES—The Chicken that Talked Must Have Been a "Black" Minorca.

—By Frank R. Leet



Beyond the Grave

Our Weekly Sermon—By N. A. McCune

THEODORE DREISER has a very beautiful story entitled, "The Lost Phoebe." An old farmer lost his wife. They had lived together for fifty years. Her name was Phoebe. Refusing to live with any of his children, the old man kept house on the farm. One night, looking out in the moonlight, he thought he saw Phoebe standing in the garden. When he got there she was gone. The next night he was sure she stood by his bed. He spoke to her and reached out his hand to seize her, but she vanished. The idea grew on his childish mind that Phoebe was about the place, and he began to look for her. For seven years he continued the search. Leaving home, he took his frying pan and a bit of bacon and bread, and wherever night found him, there he stayed. In all weathers, he plodded up and down the roads of the county, calling "Phoebe! Phoebe!" At night the farmer's boy would be bringing home the cows, and suddenly across the fields he would hear a voice calling, "O, Phoebe! Where are you, Phoebe?" and he would mutter to himself, "There goes old Reifsnieder again." At last, one night he found his Phoebe.

The cry of the old man is one for which there is an answer. If not, this is a very strange world. We live in a reasonable world, a world that you can depend on. It is an order of things you can reckon with. Two times two are always four, at night or by day, in storm or sunshine, on Sundays and holidays. When you plant wheat, you get wheat, not oats or millet or buckwheat. Radish seeds produce radishes, not onions or green peppers. A man would wager all he had on that. It is now late in the afternoon. In a few hours it will be daylight again. All our engagements, plans, business arrangements depend on our living in an orderly world, not a world of freaks, whims and uncertainties. For all our natural appetites, there are appeasements. For hunger there is food, for thirst, water from the earth, for heart yearning, there is the love of wife, husband, child, parent. Can it be that for this universal longing for immortality, there is no answer? Is the world dependable in everything but that? If the universe is as reliable in the things of the spirit as it is in things of matter, then there is always an answer for that age-long desire for life in the next world.

WE believe in a good God. There are many puzzling facts about us. There is pain and wrong and suffering, which we do not understand. But at the bottom of it all, we believe in a good God, a God who desires the highest happiness for His children. He is compared in Scripture to a human father. We are told that such a father will not offer his child a stone when he asks for bread, nor tantalize him with other miserable substitutes for the things he craves.

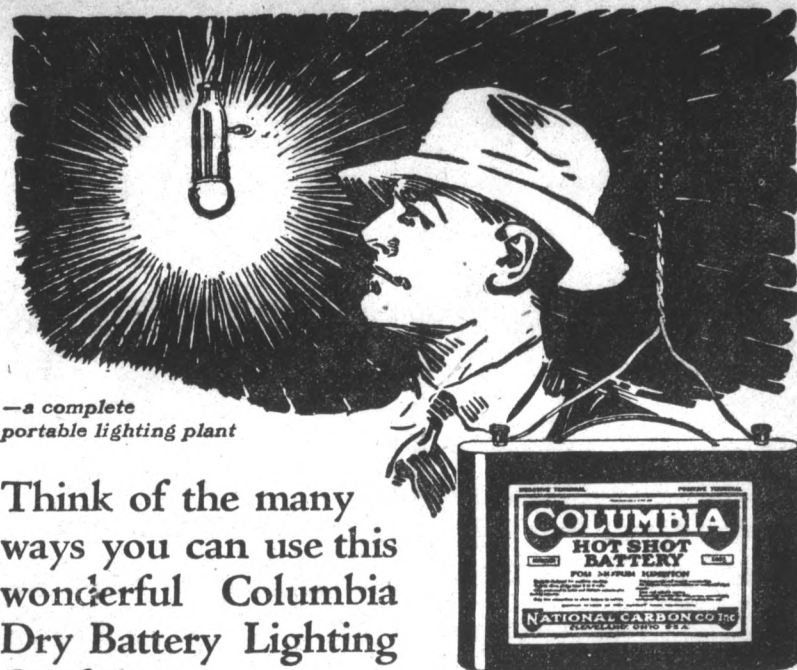
Now this God has created a being capable of endless growth. If there are limits to what the soul can attain to, they have never been discovered. There is planted in every breast the desire for life, life that is full, life that contains no alloy of fear, life that expands on and yet on, that is not crippled by pain nor weakened by separation from those it loves. Such life is attained only partially in this world. Say what you will, we are but broken shadows. The Bible is right when it compares us to a leaf. We are here today and gone tomorrow. And has this God of goodness created this wonderful being called man, filled him with this intense longing for life, only to mock him by letting him die as the

dog dies? No, God's very integrity and honor are wrapped up in the proposition that there is another life beyond this, a life wider, deeper and richer. Otherwise we are but as children playing on the shore, who build sand houses, only to see them washed away.

THIS is the day of the expert. There are experts in everything—medicine, farming, education, war. Are there experts in the things of the unseen world? Answer, yes. Who are they? The sages, the seers, the prophets, the saints of the centuries. They are the aristocrats of the spiritual life. Listening to them, one gets but one impression—they believe with all the force of their mighty souls in the reality of the after-life. When a man says he takes no stock in this "immortality stuff," he turns his back on the best brains, the best biggest hearts, the strongest personalities that the race has to offer. When we say we believe in the resurrection and the life, we are companionizing with the mighty men, the poets, seers, philosophers, the great souls of all time. John Knox, the father of Presbyterianism waking up from a reverie, says, "I have been in heaven, and have possession." D. L. Moody, when dying said, "Heaven opens before me. If this is death, it is beautiful." Scores more could be quoted.

As splendid as are these testimonies to the reality of the future life there is yet a greater. Heaven and earth came together in Jesus Christ. We would like to hear what he has to say about this. His words are worth more than all the wise men of all time. Why do we say this? Because the record of His life shows it was unique. Christ sees into the very essence of things. He never is conscious of wrong doing. He has a perfectly clear consciousness of God. As another has said, He could reach out and touch God at any time. And He knows man, as no other person ever has. When Christ says He is greater than Solomon, we believe it. When He says He existed before Abraham, we believe that. When He declares that He is the way, the truth and the life, we also believe that. We cannot help ourselves, when we look straight at Him. What, then, does He say, about this great question of the future life? Well, He does not argue about it. He does not speculate, or paint in glowing colors something of which He is not perfectly sure. He does something much more simple and much greater than all these. He just speaks from personal knowledge.

WE may study about Japan, and become well versed in the life and people of that nation. But a man who has been in Japan knows much more about it than one could get from books. Jesus speaks from his intimate knowledge of the things of the next world. What does He say? "In my father's house are many mansions." "I go to prepare a place for you. And if I go, I will come again and receive you unto myself." It is as if He said, "Why, didn't you know that before? I supposed everyone knew that. That has been true from the beginning of time. God would not be happy if He were separated from His children. That could never be. God wants His children to be where He is." To Christ the next world is the most natural thing one can speak of. It is as real as this world. Perhaps it is more real. To the dying thief He could say, "To-day shalt thou be with me in paradise." It is not strange, therefore, that this teaching of the next life had such an influence on the early Christians.



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Our Boys' and Girls' Page

Some Things 'Round Home

What Farm Boys and Girls May See at Home

IT is fine to be able once in a while to go away from home on sight-seeing trips. We come back with minds stored with things that will keep us thinking for many a day. Wherever possible it is a good thing for our boys and girls to go on such journeys now and then.

And yet, there are many things to interest us and instruct us very near home, and if we keep our eyes open we may get a great deal of pleasure as well as information from a careful study of some of the most common things about the farm.

Take some of our plant weeds for example. In some parts of the country farmers are greatly troubled by a plant called the Russian thistle. The farmers of the west have to fight this plant with all their might; and one reason why this is so, is because the farmers farther east do not combat it as vigorously as they might and ought.

Often this plant is called the tumble-weed. It is interesting to learn why this name has been given to it. Through the summer season this weed grows like other plants; but as the end of the season comes on, the branches get hard and dry, and they have a way of folding down upon themselves, until the plant resembles a big ball. Inside of this are the seeds of the plant, ready for distribution, and the tumble-weed scatters them, all right.

When the plant is fully mature, its hold upon its roots become weakened, and some day when the wind blows hard, the stem is parted from these roots and away the top goes, tumbling along with the prevailing wind. From its habit of thus rolling along the weed has been called the tumble-weed, or the rolling-weed.

Before now slips of paper have been fastened to tumble-weeds, stating from what part of the country they started;

and long afterward these balls are found hundreds of miles from the place they started. By this time they have shaken out all their seeds. They are sown from the place where the plants grew away out into other sections, where they take root and grow to plague the farmers into whose crops they come. If you and I and all of us should make it our business to root out every tumble-weed before it was ripe and so destroy its further progress, we would be doing a great kindness to our fellow farmers in distant parts of the country.

Just now, too, a homely shrub is coming into blossoming, as if it knew flowers are scarce in the fields. Near my home there is a factory where extract of witch hazel is made. In winter the farmers cut and bring in the brush growing on their pastures and it is turned into the liquid we know so well as a remedy for all sorts of sprains and bruises. In the localities where this shrub grows we can see great clumps in November and December, all bearing the little yellow blossoms.

And did you know that right along with the blossoms of this year we will find the seeds of last year? The witch hazel is peculiar in this respect and will well repay studying by those who love the country and its useful and beautiful things. When I was a boy I used to have nosebleed a great deal. A lady who knew about it told me to get the branches of witch hazel, scrape the bark off and dry it thoroughly and make a snuff of it to be sniffed up the nose. I did this and I am sure it helped about the nosebleed.

Every neighborhood has its wonderful things in nature. Not all of them come with warm weather. Winter, no less than summer, affords ample opportunity for study.—L. E.

A "Peppy" Progressive Pig Club



HERE'S an interesting bunch with considerable variety in its make-up. The boys and girls live on farms in the Cobblestone rural school district in Calhoun county.

With the five boys and girls are two farmers, a banker, and a club leader. The boys and girls have actually started in the business of breeding and feeding pure-bred live stock on their own hooks. And they are doing it in a business way. That's why the well-dressed banker is on hand to "have his picture took" with the rest of the bunch.

This banker is the one the boys and girls borrow some money from to start breeding pure-bred Durocs. They have organized a pig club and the clerical

and sedate looking club leader has just acted as attorney for the Cobblestone club boys and girls in making out the legal papers.

The girl in the center has a fine pig all her own. It is one of the finest looking Durocs in the bunch and she has it temporarily in durance vile in the crate in the tonneau while she holds the silver cup trophy in her hands where it will show up well.

That bright boy in the belted coat is the youngest and says he is going to make a crackerjack of a farmer some day. He is not holding his pig in the picture because he has his best clothes on. Later on we will present another picture of this pig club and announce the final results.—J. H. B.

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Our Fashion Book, which heretofore has been a separate affair, has been incorporated in and made a part of our regular catalogue. It has Fashion plates of muffs, neckwear and other fine fur garments; also remodeling and repairing, together with prices and estimates. In ordering catalog, write name and address plain.

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— Ship your Furs to Fouke!

Win this \$1000.00

How many objects in this picture have names that start with the letter "S"?



Fun for everybody — costs nothing to try

It's loads of fun—just study this picture, then write down the names of all the objects having names that start with the letter "S"; like stove, spear, shovel, etc. Twenty-five cash prizes will be given to the twenty-five persons sending in the best prepared and nearest correct lists of names. Everything in plain view—nothing hidden—no need to turn the picture upside down. The person who sends in the best prepared and nearest correct answer will win First Prize; the person sending in the Second Best answer will win Second Prize, etc.

This is a campaign to help everybody get better acquainted with the Fouke Fur Co., of St. Louis, Mo., and to show trappers and fur shippers how much more satisfaction they can get by shipping furs to Fouke Fur Co. for top market prices with better grading. You can win—costs nothing to try—take a pencil and paper and start in. Extra copies of puzzle picture sent free on request.

Here's the plan

Anyone can try for the prizes—no one sends any money. If your answer is awarded First Prize by the judges you will win \$25.00. But we make a special offer whereby you can win eight, fourteen or even forty times that much money by shipping your raw furs to the Fouke Fur Co., St. Louis, in addition to sending in your answer to the puzzle game. You Will Be Paid Highest Market Prices for Every Skin You Ship—no five per cent or any other commission will be deducted—check will be mailed to you within a few hours after your furs are graded—no delay—regardless of whether or not you win a prize, you will get full value and big cash returns for your shipment promptly.

If your answer is awarded First Prize by the judges and if at least five dollars' worth of your furs have

been received by Fouke Fur Co., St. Louis, during the contest, you will win \$200 instead of \$25; if at least twenty-five dollars' worth of your furs have been received you will win \$350 instead of \$25; if at least fifty dollars' worth of your furs have been received you will win the Grand Prize of \$1,000 instead of \$25.

Send in your answer as soon as you complete it—state whether or not you are going to send furs in. Ship your furs in any quantity at any time during the contest—no need to hold them to make just one shipment. The amounts of your different shipments will be added together at the close of the contest and if the judges declare you a winner then you will get whatever prize the total amount of your shipment entitles you to.

Naturally, Fouke Fur Co. wants to treat you so fairly in paying high prices for your furs that you will want to ship all your furs to Fouke, but there is no obligation to do so whether you enter the contest or not.

THE PRIZES

	If no furs sent.	If at least \$5.00 worth of furs are received by Feb. 28th.	If at least \$25.00 worth of furs are received by Feb. 28th.	If at least \$50.00 worth of furs are received by Feb. 28th.
1	\$25	\$200	\$350	\$1,000
2	15	100	175	500
3	10	75	100	200
4	5	50	75	125
5	5	30	60	90
6	5	25	50	75
7	4	20	40	60
8	4	15	30	50
9	4	15	25	40
10	3	10	20	30
11	3	10	20	25
12	3	10	10	20
13	2	5	10	15
14	2	5	8	15
15	2	5	8	10
16th to 25th	1	3	4	5

RULES (1) Anyone not in the employ of this company and not related to any of our many employees and anyone not living in the city of St. Louis may submit an answer.

(2) Only words found in the English dictionary will be counted. Words of the same spelling can be used only once. Only one word can be given for each object or part of an object; where plural is used do not use singular and vice versa. Obsolete, hyphenated and compound words or words formed of two or more words will not be counted.

(3) Write on one side of paper only and number words 1, 2, 3, etc. Put full name and address on upper right corner of page.

(4) Three prominent citizens of St. Louis will act as judges. They are not connected with this company. Entrants will consider decision of these judges as final.

(5) In event of tie for any prize, full amount of such prize will be awarded to each tying contestant.

(6) Send in your answer as soon as you complete it—state on it whether or not you expect to send in furs in addition to the answer.

(7) All answers must be received by Feb. 28, 1922, when contest closes. Names of prize winners and correct lists of words will be printed and sent to each contestant sending in one or more shipments of furs.

NOTE.—Top market prices with better grading will be paid promptly for every skin received.

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	As to Quality	As to Quality	As to Quality	As to Quality	As to Quality		
SKUNK	Black.....	7.00 to 6.00	6.00 to 5.50	5.50 to 4.50	4.50 4.00	3.50 1.00	
	Short.....	6.00 to 5.00	5.00 to 4.50	4.50 to 3.75	3.75 3.25	2.75 .75	
	Narrow.....	5.00 to 4.00	4.00 to 3.50	3.50 to 3.00	3.00 2.50	1.75 .50	
	Broad.....	2.50 to 2.00	2.00 to 1.75	1.75 to 1.25	1.25 1.00	.75 .20	
MUSKRAT	No. 1 Extra Large	No. 1 Large	No. 1 Medium	No. 1 Small	No. 2	No. 3	No. 4
	Extra to Average	Extra to Average	Extra to Average	Extra to Average	As to Size and Quality		
	2.60 2.30	2.10 1.85	1.60 1.30	1.00 .75	1.00 .60	.25	.05
RACCOON	Fancy.....	8.00 7.00	6.50 5.50	5.00 4.25	3.75 3.25	3.50 2.25	1.00 .35
	Average...	6.75 6.00	5.50 5.00	4.50 3.75	3.25 2.75	3.25 2.00	.75 .25
MINK	Dark.....	16.00 14.00	13.00 11.50	11.00 9.50	8.50 7.00	8.00 5.00	1.50 .35
	Average...	13.50 12.00	11.00 9.50	9.00 7.50	6.25 5.25	6.00 4.00	1.25 .25
WOLF	Cased.....	18.00 16.00	15.00 13.00	12.50 10.50	9.00 7.00	9.00 6.00	2.00 .50
	Open.....	15.00 13.00	12.00 10.50	10.00 8.50	7.50 5.25	8.00 5.00	1.50 .30
FOX	Red.....	14.00 12.00	11.00 9.00	8.50 7.50	7.00 5.50	7.00 4.50	2.00 .75
	Grey.....	2.75 2.25	2.00 1.75	1.50 1.25	1.10 .90	1.25 .75	.30 .10
WHITE WEASEL		1.30 1.10	1.00 .85	.70 .55	.45 .35	.30 .20	Grey and Brown Weasel at Value

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We guarantee to pay you, on our liberal standard of grading, the above prices or MORE for furs from States named, received by us between date of this price list and the mailing out of our next price list from St. Louis. Send us your name and address now for our regular price list service—it's FREE. We do NOT deduct 5% or any other handling charges or commissions.

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Ad Fouke
President

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One science only will one genius fit;
So vast is art, so narrow human wit.
—Pope.

Woman's Interests

Country Girl's Dream Come True

SHE was just a young West Michigan farm girl, "green little girl," she says herself, but she had a Big Idea. And that idea was to write stories. She sat by the sitting-room table copying painstakingly, the story she had been working on for months; nobody knew of it but herself and mother, and nobody must know of it. Her dream must be kept a profound secret until she was a proud author with editors begging her to let them have the honor of printing her stories. She must have a pen name.

"O, I hope they'll print it," she said to mother as she finished the last word and searched for her new name. "But that's a daring hope." A flash of light crossed her face. "Daring hope, Hope Daring! Why, that's just the very thing." And Hope Daring, late Anna Johnson, began her career as a story writer to thousands of other dreaming girls and adventurous boys.

The story was printed in The Michigan Christian Advocate, but without pay. However, Hope Daring says that no later achievement in life has ever given her the thrills which came when she got her copy of the paper and saw with her own eyes that the great Doctor Potts considered her story worthy of space. Better still was the letter which came from him, telling her that while his paper did not pay for contributions he was sure that if she sent some of her work to the Methodist Book Concern they would accept it with pay. Shortly there went out to the publishing company a story which brought her in a check, the first one she had ever had of her very own.

Having received real money, you may be sure that the blood of the aspiring young author was fired. However, she has the author's usual story of hard sledding. It was a year between checks, with stories going out and coming back with sickening monotony. The story of how she persevered and won success is as interesting as one of her own tales.

"I had no criticism, no books on short story writing, as we have now," says Miss Johnson, "in fact, editors in those days weren't even so ready to make suggestions as they are now, and you know how chary they are of giving any help today. It was just a matter of keeping at it, trying to find my own mistakes, studying the magazine I had designs on until I thought I knew their needs, and then trying my luck. I never had the courage to keep on sending out the same stories, as so many authors say they do. A half dozen times was always my limit, and is yet. If a story doesn't sell on that many trials, I use it for kindling."

Luckily this young author did not need to depend on her pen for a living. She taught country school as a regular job, and made writing a pastime. Her second check, at the end of a year, came from Arthur's Magazine, a formerly well-known periodical which is now extinct. It was one of those turns of fate which at the time look like misfortune, that gave Hope Daring her chance. Her mother became an invalid, and she had to give up teaching school and come home to

take care of her mother. For six years she acted as nurse, and filled all her spare time with reading and writing. During this period she may be said to have arrived.

The way in which she did it may help some other farm girl with a talent. First, she took stock of herself. She knew her own capabilities, her strong points and her weak ones. She can tell you as unemotionally as a critic what are the weak points in her work, but she knows the good ones,



Miss Anna Johnson, Otherwise Known as Hope Daring.

too. Second, she was content to do well what she could do, leaving that which she knew was outside her reach, for others. Her field lay with the farm and church publications. She knew the needs of the farm women, the dreams and hopes of the farm girl, for she was one of them. Brought up on a farm just outside of Hastings, Michigan, and in later life a citizen of that small town, she knew the sort of things which would appeal to the women and girls, yes, and the boys, of country places. Church work and Sunday School work, too, always had a big part in her life, so naturally she knew the hearts of the girls who would read the Sunday School papers. To the publishing houses which reached these classes Hope Daring sent her work, with the result that she has reached and helped uncounted thousands of discouraged women and struggling girls.

Boys, too, have been admiring readers of Hope Daring. For while this quiet-looking little woman has never had any "wild and woolly" adventures of her own, she has wanted them badly enough to furnish her with imagination with which to satisfy even the most daring and adventuresome lad. This ability to please boys has brought her many requests from publishing houses, and has had not a little to do with her success.

It is a proud day in the life of an author when she can say an editor has asked for her work. Hope Daring dates the first of these requests back to 1902, when Dr. Joseph Berry, of the Methodist Book Concern, now Bishop Berry, asked her to write a sequel to her book, "Agnes Grant's Education." Of course she did, and "An Abundant

Harvest" was the result. Both stories were published serially in the Epworth Herald, and later appeared in book form.

A neat row of books by "Daring" give some idea of her busy life. Most of these ran first as serials, later being brought out by the publishing houses which owned the papers in which the stories ran. Of these books Hope Daring counts her best "The Furniture People," a book for children in which the little heroine learns about the former-life of the old walnut sideboard, the white pine table, and the other furniture of her home; "Madeline, the Island Girl," a story of Mackinaw Island, and its sequel, "A Virginian Holiday;" "Father John," a story of Detroit which ran serially as "Ruth Webster's Quest," and the two books previously mentioned, Agnes Grant's Education and its sequel.

This year an almost unheard of honor has come to the author. She has been asked to write a story, and had the story accepted without reading. The publishers, of course, have long been familiar with her work. This new book is called "Sowing and Reaping," and will appear in the Youth's Comrade, of Kansas City. The serial will start January 1, and the book will come out next summer.

"If I had ever dreamed of what was ahead of me when I started out, I should never have had the courage to try to write," Miss Johnson confessed. "Isn't it a blessing that ignorance veils our eyes to the pitfalls before us? I couldn't do it over again, but I was young and full of courage and hope, and so I kept on, learning by my mistakes, and coming by slow and painful degrees to learn what to send out. I must say I always had a little sense about sending out my stories, though. I made it a point from the first to study the needs of the periodical before I mailed a story. I believe that is why so many would-be writers fail. They write a story and send it out to the first periodical they think of. Once in a while it may suit, but usually it doesn't, and after a few rejections the discouraged author quits."

Miss Johnson's home is still in Hastings, but she spends much time in travel. Her summers are usually spent in North Michigan, preferably at Bay View, and the winters somewhere in the south. A winter near New Orleans two years ago gave her background for southern stories, and a good idea of the life of southern folk. In Hastings she takes an active part in the life of the town. She is a member of the Women's Club, and in the church works with the young people. One of the thriving girls' clubs of Hastings is the Hope Daring Girls.

Perhaps no better picture of the real Hope Daring could be given than that shown by her own simple words:

"I've always found it easier to laugh than to tell other folks my troubles."

The loneliness of the country woman ten miles from a railroad is nothing compared to that of city dwellers too proud to make friends with their neighbors.





CANADIAN WOMEN ENTER POLITICS.

MRS. MARY IRENE PARLBY, a farmer's wife, has recently been admitted to the new provincial cabinet of Alberta. Mrs. Parlby is the second woman in Canada to receive this distinction, the first being Mrs. Mary E. Smith, of British Columbia. Canadian women are taking an active part in their government. They have demanded the following reforms:

That women shall be included in the panel of all juries sitting on cases where women are concerned; that wife desertion be made an extraditable offense; that there shall be a uniform divorce law for Canada, and that the divorce laws shall be equal as between men and women.

WEXFORD COUNTY WOMAN GETS HIGHEST HONORS.

WHEN Mrs. Mabel Walker Willerbrandt was recently appointed United States Attorney-General in Los Angeles, California, few Michigan folks who read of the appointment knew that a former Michigan woman was being appointed to one of the highest offices in the legal profession ever filled by a woman.

Mrs. Willerbrandt was born in Wexford county. As recently as 1908 she was a preparatory student in Ferris Institute at Big Rapids, and after graduation from that school, married a fellow classmate, F. W. Willerbrandt, and the two taught school in Cadillac county.

Later they were forced to go west on account of Mrs. Willerbrandt's health, and there both studied law. Mrs. Willerbrandt, in her new office, will have charge of questions pertaining to the enforcement of prohibition, and those relating to customs and internal revenue.

DARN ON THE MACHINE.

SHEETS, towels, table linen and knit underwear may be darned by machine neatly and strong. Use fifty thread for towels and 100 for table linen. Tie up machine foot so that it is about one-sixteenth inch from the feed. This allows the work to be drawn forward and back. Stitch forward from a quarter of an inch outside the hole across open area to within a quarter-inch of the outside of the hole on the other side. Continue until all the space is filled in with threads extending one way—called "warp" threads. In the same manner put in the cross or "wool" threads.

BOOKS FOR FIFTH GRADERS.

A TEST of the relation between what children read and their degree of mentality was recently made in the Detroit public schools. It was found that the bright children preferred the higher type of books, while children of a lower grade of mentality chose books of an inferior nature. The teachers in charge of the test were divided as to whether the children were bright because they read good literature, or read good literature because they were bright. The consensus of opinion, however, was that good reading helps to make bright children.

In making the test well written history, poetry and high-grade fiction were classified as superior reading; books for information, and average novels as second-class, and dime novels and Elsie and Pollyanna type of books as inferior.

The following list of books for fifth grade pupils was arranged by the Eng-

lish department and public library of Detroit:

Aanrud, Lisbeth Longfrock; Anderson, Fairy Tales; Arabian Nights.

Baldwin, American Book of Golden Deeds; Baylor, Juan and Juanita; Brooks, True Story of George Washington; Brown, In the Days of the Giants, John of the Woods.

Collodi, Pinnocchio; Craik, Little Lamie Prince.

DeFoe, Robinson Crusoe.

Foa, Boy Life of Napoleon.

Gordy, American Leaders and Heroes.

Hale, Peterkin Papers; Hall, A. N. Boy Craftsmen; Hall, M. E., Dutch Days.

Harris, Uncle Remus' Songs and Sayings; Hawthorne, Wonderbook and Tanglewood Tales.

Jacobs, Indian Fairy Tales.

Kipling, Jungle Book, Captains Courageous.

Mackey, Home of the Heart and Other Plays; Miller, First Book of Birds; Morley, Donkey John of Toy Valley.

Paine, Arkansas Bear; Pyle, Robin Hood.

Schwatka, Children of the Cold; Seawell, Little Jarvis; Seton, Krag and Johnny Bear; Sewell, Black Beauty; Stein, Christmas Porringer, Gabriel and the Hour Book; Stone and Pickett, Everyday Life in the Colonies.

Tappan, American Hero Stories; True, Iron Star.

White, Magic Forest; Wiggin, Posy Ring.

Zitkala-Sa, Old Indian Legends Retold.

Books suggested for the sixth, seventh and eighth grades will be given in another issue of this journal.

FARM BULLETINS.

THE Department of Agriculture in Washington offers the following bulletins which may interest farm families. In writing address Superintendent of Documents, Washington, D. C.

No. 1, Judging Sheep, Farmers' Bulletin, 1199.

No. 2, Floors and Floor Coverings, Farmers' Bulletin, 1219.

No. 3, The Well-planned Kitchen, Department Circular 189.

No. 4, Food for Farm Families, Separate 858, Year-book 1920.

No. 5, Farm Help from the Birds, Separate 843, Yearbook 1920.

No. 6, Helping Landless Farmers to Own Farms, Separate 844, Yearbook 1920.

No. 7, The Cost of a Bushel of Wheat, Separate 846, Yearbook 1920.

No. 8, How the Public Forests are Handled, Separate 847, Yearbook 1920.

Nos. 3, 4, 5, 6, 7 and 8 are five cents each. Nos. 1 and 2 are free.

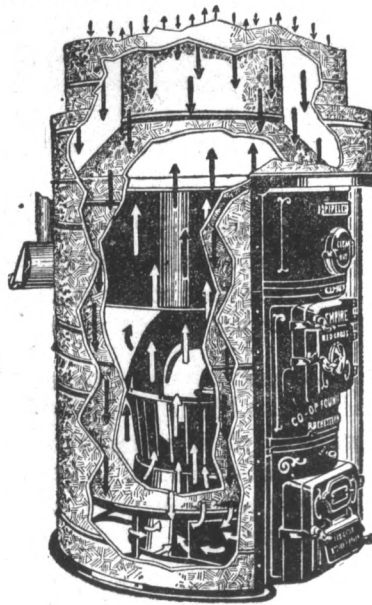
A hole in a granite kettle does not necessarily render it useless. Cut out round pieces of asbestos, place one over the hole and fasten securely on inside. Drive a copper rivet through the hole and fasten securely on the bottom of the kettle, and in this way it will last much longer.—Mrs. W. S.

BOOK NOTICE.

The Webb Publishing Co., St. Paul, Minn., has issued a catalog of Agricultural and Industrial Books which is unusually comprehensive. It includes books useful to the farmer and his family on the following subjects: Agriculture, buildings, chemistry, dairying, domestic science, engineering, field crops, flowers, forestry, fruit growing, gardening, insects, live stock, machinery, manual training and soils and fertilizers. Those families that have formed the habit of buying a book a month will find this a helpful guide in the selection of technical books.

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Comfort with economy is what you want in your home, church, school or any other building that you heat. And it is exactly what you get when you install an EMPIRE PIPELESS HEATING SYSTEM.



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Shipped Anywhere For **Only \$48.00**

Easy Payment If You Wish
Plays Four Records With One Winding
GUARANTEED FOR 5 YEARS

This Phonograph of made 185 ply 3/4 in. stock, is 45 in. high, plays all records without any extra attachments, and is a very high grade instrument in all respects. Thousands of this particular model have been sold in Detroit and other large cities at \$100 thru dealers.

Complete set of needles free with each instrument. Other models at similar great reductions. Order direct from this add or send a postal for complete information.

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160-Acre Michigan Farm With Horses, Poultry, 10 Cattle. Vehicles, tools, implements, cream separator, hay, grain, etc. included; on improved road in prosperous section. motor, bus passes; rich loam tillage, pasture, woodland; timber, about 1000 cords wood; fruit, good 6-room house, substantial all barn, poultry house. Owner unable operate sacrifices all \$4950, only \$2000 needed, easy terms. Details page 69 illus. Catalog 1100 Bargains. FREE. STROUT FARM AGENCY, 814 BO Ford Bldg., Detroit, Mich.

WANTED To hear from owner of land for sale. O. K. HAWLEY, Baldwin, Wis.

For Sale 320 acres in Alcona County, Michigan, near Lincoln. \$12 per acre, easy terms. EMIL SCHMIED, 50 No. La Salle St., Chicago, Ill.

Buy A Virginia Farm Now

Now Is The Time To Buy A Farm In Virginia

Prices are reasonable. You can grow fine crops of corn—all grain and grass crops. Types of soil especially adapted to fruit growing. Opportunities for live stock and dairying unexcelled. Virginia offers more advantages to the farmer than any other state—variety of soil, mild winters, long growing season. Why farm where you can grow only two or three crops and be far away from good markets, when you can grow a variety of crops in Virginia and be near the great consuming markets. The healthiest climate in America, free from disastrous storms. Write now for Hand Book, Maps, etc.

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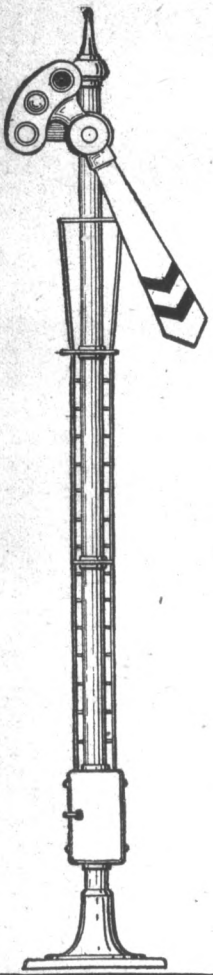
Commissioner of Agriculture, Richmond, Va.

80-Acre Farm Near Battle Creek Crops, Horses, Poultry, Cows

Cream separator, implements, vehicles, tools, fodder, etc. included; productive farm in splendid location; near village, easy drive city markets; fertile, loamy tillage; spring-watered pasture, wood, timber; lots fruit, berries; buildings valued over \$5000; good 8-room house, running water, piazza; 20-cow basement barn, silo, garage, granary. Owner called away. \$8000 takes all, part cash, easy terms. Everything complete, big possibilities here. Come now. Catalog free. J. CARL GAW, 208 Upton Ave., Battle Creek, Mich.

255-Acre Farm for sale, Middle Georgia location; water, people good; climate mild. C.K. McClelland, Owner, Fayetteville, Ark.

The Block Signals Are Working—



In some respects, human experience is like railroading.

Every moment of the business and social day the block signals are giving right of way to keenness and alertness—while the slow and the heavy must wait on the sidetrack for their chance to move forward.

The ability to "go through" and to "get there" depends much on the poise of body, brain and nerves that comes with correct diet and proper nourishment.

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POULTRY

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1922

If you are to buy Chicks the coming season, write us and get description of our Pure Breed Practical Poultry. Leghorns, Anconas, Rocks, Reds, and other heavy breeds. Quality of Chicks and safe arrival guaranteed. It is time now to look up your Chicks for next season; the Chick business is going to be good. Yearling Hens. We still have a limited number of Extra Quality selected White Leghorn and Barred Rock yearlings; and also of White Leghorn Pullets now beginning to lay. Let us quote the price if you want some foundation stock.

STATE FARMS ASSOCIATION
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Baby Chicks \$15.50 a 100 and up.

Postage PAID, 95% live arrival guaranteed. FREE feed with each order. 40 breeds chicks, 4 breeds ducklings. Select and Exhibition grades. A hatch every week all year. Catalogue free. Stamps appreciated. NABOB HATCHERIES, Gambier, Ohio

CHICKS

Send your order in early for 1922 delivery. Our prices are always reasonable. We give you a square deal.

ROYAL HATCHERY,
R. 2, Zeeland, Mich.

Barred Rock Cockerels

Parks 200-egg strain. From stock direct from Parks best pedigreed pens. \$3 each. R. G. KIRBY, Route 1, East Lansing, Mich.

BOOKING—1922—ORDERS B-A-B-Y C-H-I-X

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Valuable Booklet with first order for twenty-five or more
CRESCENT EGG COMPANY
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Barred Rocks, W. Wyandottes, R. I. Red cockerels from bred-to-lay stock. HOWARD GRANT, Marshall, Mich.

Barred Rocks egg contest winners, eggs from strain with records to 250 a year. \$2.00 per setting prepaid by P. P. Circular free. FRED ASTLING, Constantine, Mich.

Barred Plymouth Rock Cockerels, large birds from prize-winning heavy-laying strain \$5.00 each. J. A. Barnum, Union City, Mich.

Barred Rock Cockerels Bred from great layers Bargain prices now. W. C. COFFMAN, R. 3, Benton Harbor, Mich.

Barred Plymouth Rock cockerels, pullets, and yearling hens. 200 egg laying strain. Prices reasonable. Mrs. H. P. Schulze, Laingsburg, Mich.

BARRED ROCK Cockerels. Parks 200-egg strain direct. The kind that will breed the lay into your flock. \$3 each. L. W. Dunn, Three Rivers, Mich.

Cockerels and pullets for sale from M. A. C. Round-up champions, vigor fine. range raised. \$5 00. Chas. H. Wright, Jones, Mich.

For Sale Pure Bred White Wyandotte cockerels \$3 and \$4 each, few pullets. CANARIES, singers \$5 and \$6, mother birds. Rollers and Crescents \$2. Mrs. Dewitt Wilson, Osseo, Mich.

For Sale—Light Brahma Cockerels. Pure bred. prize-winning. \$3 to \$5. Mrs. E. W. Willits, R. 1, Reading, Mich.

Top Quality Cockerels Minorcas, Houdans, Rocks, Reds, Orpingtons, Spanish. Tyron Poultry Farm, Fenton, Mich.

WHITE LEGHORNS FREE. 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, CHIO, GRAND RAPIDS, MICH.

Northrup or **Papes Strain.** 100 S.C. Giant Black Minorca cockerels 6 mo. old \$2.25 each. M. SCHAEFER, R. 1, Essexville, Mich.

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.

Large White Rock Cockerels of the Long Boy strain. Price \$2 up. Mrs. Clifford Jordan, R. 2, Charlotte, Mich.

Pullets and Breeding Stock 8 varieties, also ducks and geese. Send for prices BECKMAN, 26 E. Lyon, Grand Rapids, Mich.

Whittaker's R. I. Reds Michigan's Greatest Color and Egg strain Both Combs. Write for free catalog and our new proposition in regard to good breeding cockerels. INTERLAKES FARM, Box 39, Lawrence, Mich.

WHITE WYANDOTTES 207 egg average; cockerels \$5 each, 3 for \$14, 6 for \$25. FRANK DeLONG, R. 3, Three Rivers, Mich.

Ringlet Barred Rock Cockerels—bred from birds that lay, weigh and win. Robert Martin, R. 3, Woodland, Michigan

REDS: Quality Single and Rose comb. From prize winners. \$3 for immediate sale. W. & M. McDaniel, Homer, Mich.

Rhode Island Reds R. C. Large fancy cockerels at \$3 each. BURT Sisson, Inlay City, Mich.

Single Comb Buff Leghorn cockerels, April and May hatched. Large lively fellows. Noted laying strain. Willard Webster, Bath, Mich.

Special Prices on Laying pullets, in Leghorns, Anconas, Reds, Rocks, etc., Ducks, Geese, Turkeys. Cat. free. Houck Breeding Co., Tiffin, Ohio

English S.C.W. Leghorns. Early hatched pullets and choice yearling hens at reasonable prices. Robt. Christophel, R. 1, Holland, Mich.

White Wyandotte Cockerels \$5. Bred from established heavy laying strain. 80% average egg yield last winter. W. A. Blanding, R. 1, Greenville, Mich.

W. Chinese Geese, Pekin Ducks, R. C. Br. Leghorns. MRS. CLAUDIA BETTS, Hillsdale, Mich.

Mammoth Pekin Ducks Fine breeding stock. J. W. Drake Farm, R. 4, Pontiac, Michigan.

TURKEYS, Michigan's Best Splendid pure bred birds. Take advantage of early low prices. N. Evalyn Ramsdell, Ionia, Mich.

Turkeys Fine Giant Bronze young hens and toms \$5 to \$10. Also reg. Jersey calves. Henrietta Ten Have, R. 2, Holland, Mich.

Farm Poultry

CONDENSED POULTRY TOPICS.

"These modern methods make me sick," Thus spake old Biddy Dominick. "We used to please ourselves, you bet, Folks took what fresh eggs they could get; But now we stay up half the night And lay our eggs by Mazda light. This culling also I protest, I'm getting old—I want to rest; Yet if in laying I grow lax, I'll be the next to get the axe."

USEFUL POULTRY LITTER.

WE once had an earth floor poultry house that was a little too low and inclined to be damp. There was no time to raise the level by hauling sand so we covered the floor with loose corn fodder to a depth of about six inches. Over the fodder we placed straw. The tough fodder formed a good foundation for the lighter straw litter. During the winter fresh straw was occasionally added as the old litter became packed down. The hens in the house were thrifty and laid very well. This is not as good as a cement or board floor, but worked out all right on an earth floor where an unusual depth of litter was needed to build it up.

Straw is the best litter we have ever used. About six inches can be placed on the floor in the fall. The hens gradually break it up and pack it down. A litter that is not replenished becomes almost as hard as a floor and the scratch grain is not hidden. The purpose of litter is to make birds exercise by scratching. So new litter must be placed on the old to furnish that loose top layer that easily hides the grain. When litter becomes damp and tough it must be removed.

The broken hay from a clover huller sometimes can be used for scratching litter. Dry leaves are useful in small poultry houses if an abundance of leaves can be obtained near at hand. The leaves break up very easily and are not as good as wheat or oat straw.

Shredded corn fodder is also used for litter. It absorbs moisture and does not break up easily, thus lasting a long time. On poultry farms where only corn is raised, the use of shredded fodder saves the purchase of straw. If straw must be purchased for the poultry flocks and storage room is limited, it pays to buy baled straw. This saves time in replenishing the straw litter in the laying-houses. In some sections poor grades of hay can be used for poultry litter. We find that the important point is to have a mixture that is dry and clean and hides the grain. The material produced at home is often the cheapest and in place of straw the other materials will give fair satisfaction.

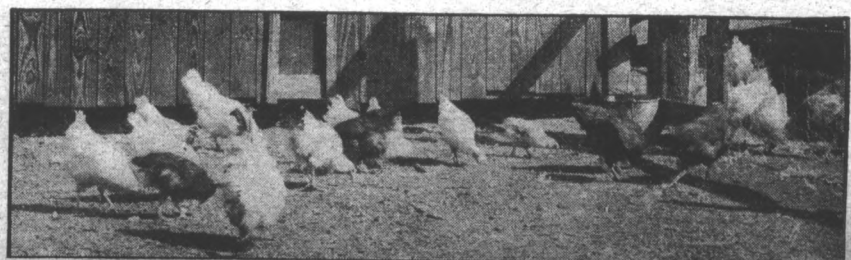
A BACK YARD HENNERY.

EVERY now and then a local paper will print an egg story of how a flock of six Leghorns or nine Anconas belonging to Smith or Jones has made a remarkable egg yield. Such an article is now before me giving figures to show how the Plymouth Rock pullets belonging to W. G. Adams, Bloomingdale, laid an average of 184% eggs and

made their owner a net profit of \$20.96. The editor in commenting on the figures draws the conclusion that a thousand hens would assure anyone a very comfortable income; all of which is possible but has not often been demonstrated in this county. Many people every year come across the lake from Chicago to make an easy living raising poultry and mighty few of them succeed. That a flock of hens properly managed will pay a profit, however, has been demonstrated by the county agricultural agent of Van Buren county, Mr. W. C. Eckard, for a number of years. Up to the present season Mr. Eckard has been breeding Rhode Island Whites and he has made them appear to be the champion egg machine, selling better than \$100 worth of eggs during fall and winter months from a back yard flock. Mr. Eckard, however, let all of his Whites go last spring and began over again with day-old White Leghorn chicks. His reason for doing this was that he did not consider the Rhode Island Whites as a strictly egg type and not a standard breed. Mr. Eckard's first lot of ninety-seven pullets hatched April 14 began laying in September and by October first were producing fifty per cent. During the month of October this lot of pullets laid 1,694 marketable eggs. The second lot of about the same number of pullets hatched May 1 were producing a fifty per cent clip the first of November and another lot of nearly two hundred late in May have not yet struck their pace. However, during the first week in November Mr. Eckard gathered ninety dozen eggs and this will increase to better than a hundred dozen per week for the season. Mr. Eckard ships every day to Chicago and the price for day-old eggs last week was sixty-five cents. Mr. Eckard's success is probably due more than anything else to his feeding. He crowds the feed into the chicks from the time they are hatched and gets them just as fat as possible and then gradually changes to the laying mash. The chickens, however, have sprouted oats and buttermilk from the first day they are fed. The birds are not housed in expensive coops; in fact, they would be regarded as crowded, the 370 birds being housed in a barn twenty-four feet square. As a village lot, back yard proposition, Mr. Eckard has demonstrated what can be accomplished and has shown also that the "best" egg breed may be more a matter of care and feed than anything else.—E. V. R.

Too often the poultry breeder will neglect the flock for a long time and when the birds are half sick expect to find an easy remedy to quickly return them to health. In such cases the treatment is often unsatisfactory. The hen that is half dead with roup or bronchitis is usually a victim of neglect. The trouble can be prevented easier than cured.

Hen health can almost be assured by providing living quarters that are dry and well ventilated but free from drafts, food that is clean and sufficient to maintain bodily vigor and produce eggs besides, and exercise to create an appetite.



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Mention The Michigan Farmer When Writing Advertisers

THE BLIND MAN'S EYES.

(Continued from page 504)

are planning to do to me, they cannot undo. They will merely complete the outrage and injustice already done me—of which Mr. Warden spoke to his wife—and they will not help your father. For God's sake, keep them from going further."

Her color deepened, and for an instant, he thought he saw full belief in him growing in her eyes; but if she could not accept the charge against him, neither could she consciously deny it, and the hands she had been pressing together suddenly dropped.

"I—I'm afraid nothing I could say would have much effect on them, knowing as little about—about you as I do."

They dashed the door open then—silenced and overwhelmed him; and they took her from the room and left him alone again. But there was something left with him which they could not take away; for in the moment he had stood alone with her and passionately pleading, something had passed between them—he could give no name to it, but he knew that Harriet Santoine never could think of him again without a stirring of her pulses which drew her toward him. And through the rest of the lonely day and through the sleepless night, he treasured this and thought of it again and again.

The following morning the relieving snowplows arrived from the east, and Eaton felt it was the beginning of the end for him. He watched from his window men struggling in the snow about the forward end of the train; then the train moved forward past the shoveled and trampled snow where rock and pieces of the snowplow were piled beside the track—stopped, waited; finally it went on again and began to take up its steady progress.

The attack on Santoine having taken place in Montana, Eaton thought that he would be turned over to the police somewhere in that state, and he expected it would be done at the first stop; but when the train slowed at Simons, he saw the town was nothing more than a little hamlet beside a side-track. They surely could not deliver him to the village authorities here. The observation car and the Santoine car were uncoupled here and the train made up again with the Santoine car as the last car of the train and the observation car ahead of it. This, evidently, was to stop the passing of passengers through the Santoine car. Did it mean that the change in Santoine's condition which Dr. Sinclair had been expecting had taken place and was for the worse? Eaton would have liked to ask about this of Connery, whom he saw standing outside his window and keeping watch upon him during the switching of the cars; but he knew that the conductor would not answer him.

He rang, instead, for the porter and asked him for a railway folder, and when this had been brought, he opened it to the map of the railroad and checked off the names of the towns they would pass. Nearly all the names set in the bold-face letters which denoted the cities and larger towns, ahead of them were, he found, toward the eastern end of the state; the nearest—and the one, therefore, at which he thought he would be given up—was several hours away. At long intervals the train passed villages all but buried in the snow; the inhabitants of these, gathered at the stations, stared in on him as they looked in on any other passenger; and at each of these stops Connery stood outside his window guarding against possibility of his escape.

(Continued next week.)

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Blue Bell, Supreme Champion at the Smithfield Show 1919, and the Birmingham Show 1920, is a daughter of Edgar of Dalmeny.

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A very choice lot of young bulls—sired by Edgar of Dalmeny are, at this time, offered for sale.

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bulls and heifers of the very best of breeding, from 12 to 15 months of age. For next 30 days will price bulls at \$100.00. Real bargains. Inspection invited.
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Guernsey Bulls at Farmers' Prices

No. 1. Two years old grandson of Itchen Daisy's May King of Langwater, the \$20,000 bull. Sire's dam Polly of Richmond Cottage, 9109 lbs. milk, 418 lbs. fat, Class C. Four to four and half years, nicely marked fawn and white. Price \$150.

No. 2. Twenty months old grandson of Itchen Cowslip, English record 440 lbs. fat in ten months. Same sire No. 1. Marked fawn and white. Price \$150.00.

No. 3. Nine months old, out of a Polled cow. Same sire as No. 1. His dam will be put on test next month. Nicely marked fawn and white, black nose, has buttons for horns. Price \$55.

No. 4. Ten months old, dam Francis of Maplecree, No. A. R. 3666, 412 lbs. fat in nine months. Same sire as No. 1. Nicely marked fawn and white. Price \$100.

The sire of these bulls is Robert's Golden Secret of Saginaw, a son of Imp. Robert's Secret, he a son of Osseo 4th, a grandson of Lady Roberts, full May Rose breeding. All the above are guaranteed right in every way and subject to prior sale, prices are crated F. O. B. R. R. station Saginaw.

Hicks' Guernsey Farm Saginaw, W.S. Michigan

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Every animal in the herd is listed for sale. Cows, Heifers and Bulls. None reserved. A rare opportunity to get some good stock. Accredited herd No. 7482.
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Registered Guernsey Bulls for sale. 2 sired by Gay Boy of Halcyon. 1 sired by Avondale's Choice. All one yr. old, ready for service. 1 horned July 26th 1921, sired by Avondale's Choice. All beautifully marked fawn and white. Address Dr. W. B. Baker 4800 Fort St., West, Phone West 629, Detroit, Mich.

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We have a special proposition on your Bull for next year that will interest you now.
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JOHN EBELS, R. 2, Holland, Mich.

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"Top Notch" Holsteins

TWO Bargains in Young Bulls
The bull we advertised as No. 1 last week was sold by correspondence to a good breeder in Sanilac County, who writes: "Bull received; well pleased with him."

We have another extra fine young bull that we believe some good breeder will want. He was born Feb. 18, 1920. Eleven of his near tested dams average 32.19 lbs. butter in 7 days. His sire's two nearest dams average 36.32 lbs. butter in 7 days. His dam is a 24 lb. grand-daughter of the famous Colantha Johanna Lad, who has more daughters with milk records from 600 to 700 lbs. than any other sire. His dam's sire's three nearest dams average nearly 31 lbs. butter in 7 days. He is handsomely marked about half and half, and two think one of the best young bulls we have raised. Price \$150.00 f. o. b. Howell.

The other bull was born Sept. 21, 1920; is from a good A. R. O. daughter of a cow that produced 18,986 lbs. milk and 750.82 lbs. butter in one year, and is from a son of a 30 lb. cow that produced a 31 lb. cow, who in turn produced a 31 lb. cow. His 6 nearest dams average 26 lbs. butter in 7 days. Handsomely marked in solid colors—a little more black than white, and like the other bull a very fine individual. Price \$125.00 f. o. b. Howell.

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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.

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A BLUE RIBBON WINNER YOUNG BULL

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Sons of a 34 lb. Bull
We have several Holstein Bulls sired by "Judge Job Lyons" and out of A. R. O. cows from \$75 up.
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Reg. Holstein Friesian bulls sired by a gdson of King Roof of Pontiac's, ages from six months to one year old, nicely marked and good individuals priced to move them to make room for winter calves. Herd under Federal and State supervision, haven't had a reactor in the herd. Henry S. Rohlf, R. 1, Akron, Mich.

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Four 32 lb. Yearling Bulls
Sired by SEGIS KORNDYKE DENIJLANDER, a 32 lb. son of a twice Michigan State Ribbon winner; her dam 29 1/2 lbs. One these calves from a 30 lb. dam, one a 28 1/2 lb. dam, one a 19 lb. 3 yr. old with only 1/4 udder, one 16 lb. 2 yr. old. Two of dams are daughters of King Segis Pontiac, a 37 lb. son of King Segis. Federally tested June 10. Herd under State and Federal supervision. Priced at half value.
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Bull Bargain, \$100 gets a light colored bull ready for service born Apr. 11, 1920, from 21.51 lb. dam, and sire whose six nearest dams av. 33.34 lbs. butter 7 days. Herd under state and Federal supervision. Oscar Wallin, Wisconsin Farm, Unionville, Mich.

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1 Polled bull calf, grandson of Bullion 4th, 1 horned bull, 1 year old, for sale cheap.
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Choice boars. Sows bred or open. Satisfaction guaranteed. W. H. EVERY, Manchester, Mich.

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Breeding stock for sale at all times at reasonable prices. If in need of a high class boar, or sow any age write, or better, come to farm. Best of Blood line and we guarantee you satisfaction. Herd boars, Panama Special 11th and Home Farm Wonder. Booking order for fall pigs at \$15 each.

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DUROC JERSEYS

spring boars that will improve your hogs, of Orion Cherry King, Col., and Pathfinder breeding, at reasonable prices. Write us your wants. Bred sows and gilts all sold.
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Bred gilts all sold. Choice spring boars by Brookwater Demonstrator.
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I HAVE started thousands of breeders on the road to success. I can help you. I want to place one hog from my great herd in every community where I am not already represented by these fine early developers—ready for market at six months old. Write for my plan—More Money from Hogs.
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shipped C. O. D. Mason, Mich.
J. CARL JEWETT,

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April and May boars at reasonable prices. Webbs Bros., 10 Mi. and Ridge Rds., Royal Oak, Mich.

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H. W. MANN, Dansville, Mich.

Central Mich. O. I. C. Swine Breeders Ass'n.

Hogs of all ages of popular blood lines. Every sale guaranteed by association.

DR. H. W. NOBLES,
Sales Mgr. Coral, Mich.

O. I. C. and Chester White Swine. Strictly Big Type with Quality. I am sold out of everything but Spring pigs. Have the finest lot I ever bred. Meet me at the State Fair and other leading fairs of the State. And see a sample of our hogs and pigs.
NEWMAN'S STOCK FARM, R. 4, Marlette, Mich.

O. I. C's, Boars and Gilts from April and May farrow. Size and quality guaranteed. Ship C. O. D. Elm Front Stock Farm, WILL THORMAN, Dryden, Mich.

O. I. C's. 20 choice young boars, also fall pigs.
CLOVER LEAF STOCK FARM, Monroe, Mich.

O. I. C's Choice April boar from a grand daughters of Wildwood Prince and from a son of Petroleum Giant. A. J. Barker & Son, Belmont, Mich.

O. I. C. Boars. Herd headed by a son of Prince Big Bone. Stock reg. free and guaranteed satisfactory.
J. A. WILK & SON, Alma, Mich.

O. I. C's April boars all sold, one April gilt left and Aug. pigs. MILO H. PETERSON, R. 2, Ionia, Mich., Elmhurst Farm

Gilts All Sold

Could have sold many more, and have only five more boars left for sale. Order Early. Remember the Spotted Poland China is the coming farm breed for Michigan. Address W. I. BEARCE, or CHAS. BABCOCK, Ovid, Michigan.

LARGE TYPE POLAND CHINAS

Spring pigs of either sex. Sired by F's Olansman Grand Champion Boar 1920 and by Smooth Buster 1st. Jr. yearling 1920. Priced to sell. Write or see them. A. A. Feldkamp, R. 2, Manchester, Mich.

LEONARD'S Big Type P. C. Herd headed by Leonard's Liberator 458,255, the tallest, longest and best boned pig for his age in Mich. Call or write, stock in season. Fall pigs at Bargain Prices.
E. R. LEONARD, St. Louis, Mich.

DOUBLES THE VALUE OF HIS COWS

Uses Kow-Kare with Grain Feed with Wonderful Results

This Yankee dairyman knows the value of increasing the milk yield through perfect cow-health. R. D. Johnson of Groton, Conn. writes:

"Have used your Kow-Kare for the past two years, and have never fed cows any grain without giving one tablespoonful of Kow-Kare. I have positively doubled the worth of cows. I bought a cow a year ago for \$75 and she was giving fourteen quarts per day, and she has just freshened again three weeks ago, and I am getting twenty-four quarts per day, and Kow-Kare made this cow. Have four others that I bought that were giving from fourteen to sixteen quarts and now I am getting twenty-two quarts per day from them."

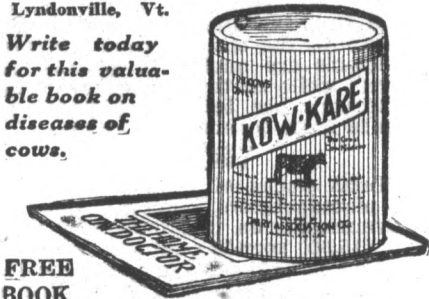
Kow-Kare is a valuable winter aid in the cow barn because it keeps the assimilation and digestion in healthiest condition when the feed must be mostly concentrates and roughage. Winter housing and feeding reduce the vitality and activity of the milk making organs. Kow-Kare restores and keeps digestive and genital functions healthy. Barenness, Abortion, Scouring, Bunches, Milk Fever, and Loss of Appetite are banished by using Kow-Kare as directed.

The milk yield tells the story of the healthy herd—and poor milkers mean a loss. Let Kow-Kare help you to a bigger dairy profit. General stores, feed dealers and druggists sell it at the new reduced prices—65c and \$1.25

DAIRY ASSOCIATION CO., INC.,
Lyndonville, Vt.

Write today
for this valuable
book on
diseases of
cows.

FREE
BOOK



ABSORBINE

Reduces Bursal Enlargements, Thickened, Swollen Tissues, Curbs, Filled Tendons, Soreness from Bruises or Strains; stops Spavin Lameness, allays pain. Does not blister, remove the hair or lay up the horse. \$2.50 a bottle at druggists or delivered. Book 1 R free.

ABSORBINE, JR., for mankind—an antiseptic liniment for bruises, cuts, wounds, strains, painful, swollen veins or glands. It heals and soothes. \$1.25 a bottle at druggists or postpaid. Will tell you more if you write. Made in the U. S. A. by W. F. YOUNG, INC., 268 Temple St., Springfield, Mass.



I will condition a Horse or Cow in twelve days.

Put flesh on its bones. Give it life and vigor. Can add 50% to looks and value. Satisfaction guaranteed or no pay. Send postal for free offer.
P. M. FAUST, BRYN MAWR, PA.

HOCS

For Sale Durocs of the big heavy boned type. Write your wants. CHAS. BRAY, Okemos, Mich.

Big Type Poland Chinas
Size Quality Type Ancestry
The best the breed affords
Write or see
Wesley Hile, Ionia, Mich.

The Thumb Herd Big Type Poland Chinas. For 30 days I am offering bargains in Poland Chinas. My herd boar which won five firsts grand champion at Bay City, 2nd at State Fair in 1920. Spring boars, gilts and pigs all ages by him. Peace and Plenty and Tuscola Ltd. Out of Miss Smooth Jumbo, Model Magnet, Orange Maid and others. Largest herd of prizewinners in the thumb, sold on approval. Write your wants.
E. M. ORDWAY, Millington, Mich.

L.T.P.C. \$15, \$20 & \$25

We have a fine lot of fall pigs sired by Harts Black Price and Right Kind Clan. HART, FULCHER and CLINE, address F. T. Hart, St. Louis, Mich.

Big Type Poland China
fall pigs either sex, sired by Clansman Buster and by Hovers Giant. Also gilts bred for spring farrow to Hovers Liberator. Priced to sell, satisfaction guaranteed.
DORUS HOVER, Akron, Mich.

Fire Sale is a place for bargains. We can under-sell any fire sale on earth. We are making a special price on Big Type Poland China Boars Sired in the purple. We can furnish just what you want. Over 100 head on hand.
JNO. C. BUTLER, Portland, Mich.



A LIVE ASSOCIATION.

KALAMAZOO county has a splendid cow-testing association of twenty-five live members and three hundred and twenty-five cows. This association was organized in February, 1921, through the efforts of County Agent R. L. Olds, and J. S. Waldron of the Dairy Extension Department, M. A. C. It has now been in operation nine months and for the length of time there has been a lot accomplished.

The association has four herds of registered Jerseys, five herds of registered and high-grade Holsteins, and two of grade and registered Guernseys. The average monthly production has never fallen below twenty pounds of fat per cow and has been as high as thirty-two pounds. A few herds have individual cows that will make close to 600 pounds of fat and drop calves at the close of the year.

For the month of September, when production was at low ebb, we had 302 cows in milk and the average production was 472 pounds of milk and twenty pounds of fat. Average returns for \$1.00 in feed was \$3.08. Production in some of the high herds was about as follows: H. B. McMurray with ten registered Holsteins has nine month's average of 8,322 pounds of milk and 300 pounds of fat. Ray Carlwright has six registered and grade Jerseys that for the same period show 5,924 pounds of milk and 314 pounds of fat. A grade Guernsey herd, owned by T. L. Tea, has produced 6,088 pounds of milk and 310 pounds of fat in a like period.

These herds speak volumes for care and breeding and may well be held up as object lessons. The association now has 100 per cent pure-bred sires and in a number of herds new high-class sires have recently been purchased.

Both the Jersey and Holstein breeders of Kalamazoo county are now talking of organizing breed associations. They have some splendid individuals of both breeds.—S. PHILLIPS.

AN ALFALFA STATE.

THE people of Michigan should not think of Michigan as being behind in the production of this great forage plant. Of all the states east of the Mississippi river, Michigan ranks second in the production of this legume. New York state has the honor of being in first place, according to the 1920 census. We predict, however, that should the big campaign planned for the promotion of this crop be carried out that it will not be long until Michigan will lead in the acreage of alfalfa among the states west of the Mississippi.

FURTHER CONCESSIONS IN BE-HALF OF INTERNATIONAL.

THE Central Passenger Association, at recent meeting decided to make the reduced rate of fare and a half for the round trip granted visitors to the International, effective from all the territory that comes under the control of that association.

In other words, all points in New York, Pennsylvania and West Virginia west of a line drawn from Buffalo to Pittsburgh, and thence to Kenova, W. Va., will enjoy this reduced rate.

Accordingly the rate will be effective from all stations west of the above line to the Missouri river, as well as from all Missouri river points.

This information will surely interest many of our subscribers.

"Cut the Price" Says Melotte

MELOTTE, the Edison of Europe, manufacturer of the greatest Cream Separator the world has ever known, announces a sweeping reduction in prices.

Labor conditions in general together with tremendous re-building and re-organizing efforts put forth by this big man of Belgium has resulted in cutting production costs to the bone.

And right now at this particular time exchange rates are extremely favorable. Take advantage of this condition while it lasts. Get the most for your American dollar. Buy now and save money!

Reduced Nearly 1/4

Before buying any separator find out how the Melotte has won 264 Grand and International Prizes and how, for Efficiency of Skimming, Ease of turning, Convenience of Operation and Durability—the Great Belgium Melotte has won every important European Contest.

\$7.50
after 30 Days
Free Trial

This is his offer. NO MONEY DOWN—FREE TRIAL—SMALL MONTHLY PAYMENTS—DUTY FREE.

We will send an Imported Melotte Cream Separator direct to your farm on a 30 days absolutely Free Trial—no deposits—no papers to sign—use it as if it were your own separator. Compare it—test it in every way.

When you are convinced the Melotte skims cleaner, turns easier, washes quicker, lasts longer than all others, then pay \$7.50 as first payment and the balance in small monthly payments until the separator is paid for.

Self Balancing Bowl The Belgium Melotte is the only single-bearing bowl separator ever made. This patented bowl hangs from one frictionless ball bearing and spins like a top. It is self-balancing. It skims as perfectly after 15 years' use as when new. Positively can not ever get out of balance—cannot vibrate and thus cause cross currents which waste cream by remixing with the milk. The 600 lb. Melotte turns as easily as the 300 lb. machine of other makes. Spins for 25 minutes unless brake is applied. No other separator has or needs a brake. The Melotte bowl has solved the problem of perfect skimming.

Send This Coupon!

Fill out and mail the coupon for New Melotte catalog containing full description of this wonderful cream separator.

Don't buy any separator until you have found out all about the Melotte, its 15-year guarantee and our 30 Day Free Trial Offer. Send coupon for full information and also revised price list showing 22% reductions.

The Melotte Separator H. B. BABSON, Manager
Dept. 9108 2843 W. 19th St., Chicago, Ill.



O. I. C. HOGS

all ages sired by Callaway Edd 1918 world's grand champ. boar and C. C. Schoolmaster 1919 world's grand champion also Wonder Big Type and Giant Buster. Write your wants, all stock shipped on approval.

CRANDELL'S PRIZE HOGS,

Cass City, Mich.

L. S. P. C.

1 yearling herd boar as good as you ever saw, spring boar by Nov. 1st. You can't beat the price nor the breeding. H. O. SWARTZ, Schoolcraft, Mich.

LARGE TYPE P. C.

Home of the largest herd of individuals in Michigan. Come and see. Compare and be convinced, expenses paid if not as represented: priced in keeping with the times. Young boars ready to ship, that grow into winners, also sows. W. E. Livingston, Parma, Mich.

Big Type Poland Chinas

For Sale. Smooth Orange, No. 408079, age 20 months, Miss Prospect, No. 910112, age 2 yrs. 7 months, bred Nov. 8. Two open gilts sired by Smooth Orange. S. O. WEBSTER, R. 2, South Haven, 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.

Big type Poland China boars and gilts of April farrow. Also one yearling boar that is hard to beat. Prices right. CLYDE FISHER, R. 3, St. Louis, 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.

P. C. swine, large type, March and Apr. pigs. Sired by "King Wonder", for sale, sent out on approval. R. W. MILLS, Saline, Mich.

L.T.P.C. Model spring boars and gilts now ready to ship. Something good at a right price. W. J. HAGELSHAW, Augusta, Mich.

Big type P.O. Spring boars and choice fall pigs, either sex. Sired by Big Bob Mastodon. Priced low guaranteed. O. E. GARNANT, Eaton Rapids, Mich.

A Few Fall Yearling Sows

good ones. E. D. HEYDENBERK, Wayland, Mich.

Hampshires place your order for bred gilts, and fall pigs at a bargain. 9th year. JOHN W. SNYDER, R. 4, St. Johns, Mich.

Hampshires for sale. Two spring boars, some spring gilts, also fall pigs both sex. I. R. BAUSERMAN, R. 1, Three Rivers, Mich.

SHEEP

Shropshires 7 yearling rams also ram and ewe lambs. Buttar and Senator Bibles by breeding. C. J. Thompson, Rockford, Mich.

A Real Bargain at Kope Kon Farms

We offer 40 big healthy yearling Shropshire and Hampshire Rams all registered at \$25.00 each. Come or write while the picking is good.
S. L. WING, Coldwater, Mich.

The Maples Shropshires

For Sale. Extra well bred yearling Rams, also 2 yr. old stock ram sired by a Broughton Ram. Will sell a few good ewes and several Duroc Jersey spring boars. Brookwater bred. Write your wants early.

C. R. LELAND,
R. 5, Ann Arbor, Mich.

Wool-Mutton Shrop. Rams, good big robust, one and two year old's \$15.00 at farm, or \$17.50 crated and delivered on cars. Also some good breeding ewes, bred to high class rams. A. H. FOSTER, Allegan, Mich.

Shropshires—Yearling and lamb rams with quality. Sired by an imported Winton ram. Write for prices and description. W. B. McQuillan, Howell, Mich.

Registered Shropshire Rams
Priced to sell. Dan Bocher, R. 4, Ewart, Mich.

Reg. Shropshire Rams and ewes all ages. Quality and price are right. Will ship on approval. H. F. Mouser, R. 6, Ithaca, Mich.

FOR SALE 80 yearling Delaine Rams; at farmers prices. CALHOON BROS., Bronson, Mich.

REGISTERED Oxfords. Some good ewes bred for R Dec. delivery. Few good rams left. Write your wants. G. T. Abbott, Palms, Mich. Deckerville phone

Please Mention The Michigan Farmer when writing to advertisers

LATEST MARKET REPORTS

GRAIN QUOTATIONS

Monday, November 21.

Wheat.

Detroit.—Cash No. 2 red \$1.24; No. 2 mixed and No. 2 white \$1.21.
Chicago.—No. 3 red \$1.16; No. 2 hard \$1.11½@1.12.
Toledo.—Cash No. 2 red \$1.24; December \$1.24.

Corn.

Detroit.—Old Cash No. 2 yellow 58c; No. 3 yellow 56c; No. 4 53c; new Yellow, Cash No. 3 53c; No. 4, 51c.
Chicago.—No. 2 mixed 50¼@50½c; No. 2 yellow 50½@51c.

Oats.

Detroit.—Cash No. 2 white 39c; No. 3 white 36c; No. 4 31@33c.
Chicago.—No. 2 white 35@37½c; No. 3 white 33@35c.

Beans.

Detroit.—Immediate and prompt shipment \$4.30 per cwt.
Chicago.—Choice to fancy hand-picked Michigan beans at \$5@5.25; red kidney beans \$7.75.
New York.—The market is steady. Choice pea \$5.25@5.35; do medium at \$4.75; kidney \$8.25@8.50.

Rye.

Detroit.—Cash No. 2 84c.
Chicago.—Nominal.
Toledo.—Cash 81c.

Seeds.

Detroit.—Prime red clover, cash at \$12.50; alsike \$10.75; timothy \$3.
Toledo.—Prime red clover \$12.65; alsike \$10.90; timothy \$3.02½.

Hay.

Detroit.—No. 1 timothy at \$19@20; standard and light mixed at \$18@19; No. 2 timothy \$17@18; No. 1 clover mixed \$15@16; No. 1 clover \$15@16; rye straw \$12.50@13; wheat and oat straw \$11.50@12 per ton in carlots at Detroit.

Feeds.

Detroit.—Bran \$23.50@24; standard middlings at \$23@23.50; fine do \$26@27; cracked corn \$27; coarse corn meal \$24; chop \$21 per ton in 100-lb. sacks.

WHEAT

The wheat market fluctuated rather violently last week within a limited range but maintained practically all of the advance from the recent low point when prices at Chicago dropped below \$1. Receipts of wheat from farms are the lightest since the new crop season started and much lighter than at this time a year ago. Mills are taking more or less grain from terminals in spite of a seasonal slump in the demand for flour. The visible supply decreased 1,213,000 bushels during the previous week and a fairly steady rate of decreases right along is expected. Because of the prolonged drouth in the southwest it is feared that several million acres of new wheat will go into winter in an extremely weakened condition. This may become an extremely important factor next spring. Argentine wheat from the new crop has been offered to Europe at prices below a competitive basis with this country, but the old crop surplus is held above an export parity with Canadian wheat. The biggest shadow over the United States wheat market at the present time is the Canadian exportable surplus which is not moving in a sufficient volume to indicate a rapid export movement in the next two months.

CORN

Corn has shown relatively more strength than wheat during the last few days. Large amounts of corn were purchased for export and by eastern distributors who desire to have the grain available during the winter at eastern lake ports. Industries also have been steady buyers. Receipts at Chicago although large for this season have been less than actual requirements especially at Chicago. At the higher prices now being paid, producers are expected to sell rather freely. Plans to finance the holding of the big corn surplus until needed are taking shape. Prices have already responded to some extent to this news. A campaign to reduce the acreage of corn next year, replacing it with legumes, is in prospect.

OATS

The oats market shadows corn rather closely. No material change is noticeable in domestic demand. A few in-

quiries for export are made from time to time but no actual sales have been reported. It has been calculated that the twelve states in which most of the surplus oats are produced have about 300,000,000 bushels less this year than a year ago.

SEEDS

Lighter receipts and a prospect that market supply will be much smaller for awhile resulted in a substantial advance in the cloverseed market last week. Timothy also advanced, crossing the \$3 line at Toledo for the first time in a long while. The total red cloverseed crop is officially estimated at 1,214,000 bushels compared with 1,760,000 bushels harvested last year.

FEEDS

Increased demand for mill feeds which made possible an advance of over \$2 per ton has been checked by the price rise. Flour mills are not operating at such a large percentage of capacity as they were a month or two ago so that offerings are lighter. The linseed meal market is firm but cottonseed meal shows weakness due to an increase in the crop estimate. The new seed has been moving to crushers rather rapidly so that stocks of meal in the hands of mills are rather large.

HAY

Wet weather has curtailed the movement of hay to central western markets while demand is fairly active. Firm prices are the result. Eastern hay markets are dull with the demand sluggish and prices only steady. The southern markets are weak.

POULTRY AND EGGS

Egg markets weakened in the last few days following the prolonged advance which carried values about 60

per cent above the low point of the year. Cold storage holdings showed a decrease of 1,182,000 cases during the preceding month. During the same month last year holdings decreased 1,457,000 cases. If the rate of decrease during November and December remains relatively as high the carryover of cold storage holdings on January 1 will be below the average of the past two years. In spite of the holiday demand, poultry prices declined last week. Cold storage holdings of frozen poultry on November 1 amounted to 34,841,000 pounds, an increase of 9,238,000 pounds during October compared with an increase of 8,119,000 pounds in October, 1920.

Chicago.—Eggs, fresh firsts 50@53c a dozen; ordinary firsts 43@47c. Poultry, springs 16c; hens, general run at 18½c; roosters 13c; ducks 21c; geese 20c; turkeys 35c.

Detroit.—Fresh candled 48@53c per dozen. Poultry, hens 17@18c; roosters 13c; turkeys 34@35c; ducks 22@23c; geese 20@21c.

BUTTER

Butter markets weakened again decidedly in the last few days due primarily to a continuation of unusually heavy production for the season and fairly heavy receipts at distributing markets. Only slight withdrawals from cold storage were necessary on account of liberal arrivals of fresh butter each day. Loss of confidence seemed quite general at the close of the week with buyers disposed to wait for lower price levels and dealers offering their holdings at sharp concessions in order to make immediate sales. Prices for 92-score fresh butter were:

Chicago 42½c; New York 42½c. In Detroit fresh creamery in tubs is selling at 36@38c.

Live Stock Market Service

Monday, November 21.

DETROIT

Cattle.

Receipts 1,251. Market slow on all grades; 25c lower.
Best heavy steers \$ 6.00@ 6.50
Best handy wt bu steers \$ 6.25@ 6.75
Mixed steers and heifers 5.00@ 5.25
Handy light butchers 4.25@ 5.00
Light butchers 3.75@ 4.00
Best cows 4.00@ 4.75
Butcher cows 3.00@ 3.25
Common cows 2.00@ 2.50
Canners 1.25@ 2.00
Best light weight bulls 3.00@ 3.75
Bologna bulls 3.00@ 3.25
Stock bulls 5.25@ 5.50
Feeders 3.50@ 5.00
Milkers and springers 40@ 80

Veal Calves.

Receipts 322. Heavies dull; others steady.
Best \$ 9.50@10.00
Others 3.00@ 8.00

Sheep and Lambs.

Receipts 1,959. Lambs 25@50c lower; sheep slow; quality common.
Best lambs 8.50@ 8.75
Fair lambs 7.25@ 8.00
Light to common 5.00@ 6.50
Fair to good sheep 3.00@ 3.50
Culls and common 1.00@ 1.50

Hogs.

Receipts 1,749. Market strong.
Mixed hogs \$7.25
Extreme heavy 6.75
Pigs 7.50

CHICAGO

Cattle.

Estimated receipts today are 19,000. Market strong to 25c higher. Beef steers medium and heavy weight 1100 lbs up choice and prime \$8.60@11.25; do medium and good \$5.75@9.60; do common \$4.75@5.75; light weight 1100 lbs down good and choice \$9@11.10; do common and medium at \$4.75@9; butcher cattle, heifers, common, medium, good and choice \$3.40@9; cows common, medium, good and choice at \$3.25@6; bulls bologna and beef \$3.10@5.85; canners and cutters cows and heifers \$2.25@3.25; do canner steers at \$2.50@3.50; veal calves light and

handyweight medium, good and choice \$5.50@8; feeder steers common, medium, good and choice \$4.60@6.60; stocker steers common, medium, good and choice \$3.40@6.25; stocker cows and heifers common, medium, good and choice \$3@5.

Hogs.

Estimated receipts today are 40,000; holdover 2,967. Market active, mostly 10c higher. Bulk of sales at \$6.75@7; tops \$7; heavy 250 lbs up medium, good and choice \$6.80@7; medium 200 to 250 lbs medium, good and choice at \$6.85@7; light 150 to 200 lbs common, medium, good and choice at \$6.35@7; light lights 130 to 150 lbs common, medium, good and choice at \$6.35@7; heavy packing sows 250 lbs up smooth \$6.10@6.70; packing sows 200 lbs up rough \$5.90@6.25; pigs 130 lbs down medium, good and choice \$6.75@7.50.

Sheep and Lambs.

Estimated receipts today are 19,000. Fat lambs 25@40c higher; fat sheep steady. Lambs 84 lbs down medium, good, choice and prime at \$8.50@9.40; do culls and common \$6@8.25; spring lambs medium, good, choice and prime \$5.75@7.75; ewes medium, good and choice \$2@4.25; ewes cull and common \$1.50@2; yearling wethers medium, good and choice \$7.40@8.40.

BUFFALO

Cattle.

Receipts 3,000; slow, steady. Shipping steers \$7@8.50; butchers \$6.75@8; yearlings \$9@10; heifers at \$4@7; cows \$1.75@5; bulls \$3@5; stockers and feeders \$5@5.50; fresh cows and springers slow and steady \$4@135. Calves, receipts 1,900; market active and steady at \$3@10.50.

Hogs.

Receipts 19,500; active; heavy are steady; others 10@25c lower. Heavy \$7@7.25; mixed \$7.25@7.50; yorkers \$7.50@7.60; light yorkers at \$7.75@8; pigs and roughs \$6@6.25; stags at \$4@4.50.

Sheep and Lambs.

Receipts 10,000; lambs and yearlings 50c higher; others steady. Lambs \$4 9.50; yearlings \$3.50@7; wethers at \$4.50@4.75; ewes at \$1.50@4; mixed sheep \$3.50@4.

POTATOES

Potato markets have been weak as a result of an accumulation from former receipts rather than from large day to day arrivals. The movement shows a decided falling off compared with a few weeks ago. Northern sacked round whites are quoted at \$1.45@1.65 per 100 pounds at shipping points in Minnesota and Michigan; \$1.85@1.90 at Chicago and \$2@2.15 in other consuming markets.

BEANS

The bean market showed considerable improvement during the past week with pea beans selling freely at steady prices. It is said that because of hard times beans are being used more freely as an article of diet. The choice Michigan pea beans are selling in New York for \$5.15@5.25 per 100-lb. sack; medium choice \$5.35; red kidneys \$8@8.25.

APPLES

Barrelled apples were weak in the last few days while boxed apples were firm. Total shipments of boxed apples thus far have already exceeded shipments for the entire season last year. Baldwins are quoted at \$7@7.50 per barrel while northwestern extra fancy Jonathans are bringing \$2.25@3 per box in large consuming markets.

WOOL

Total stocks of wool in the hands of manufacturers, dealers, and the government on September 30 were 498,615,000 pounds compared with 417,173,000 pounds on the same date last year. Stocks in wool pools and in first hands are believed to be smaller than at this time a year ago. The emergency tariff will prevent a repetition of the large volume of imports brought in during the first three months of this year. The American Woolen Company mills are reported to be working at 97 per cent of capacity, the highest on record with orders sufficient to last into February. Prices for wool last week hardened still further according to Boston advices, with more attention being paid to medium and low grades to meet the demand for lower priced clothing.

DETROIT CITY MARKET

The poultry market has an over-supply and dealers are requesting shippers to let up for a while. The market for butter and eggs is not improving, as the receipts are ample. Fruit, and vegetables are active and steady. Apples bring \$2.50@4 per bu; potatoes \$3@3.50 per 150-lb. sack; onions \$5@5.25 per 100-lb. sack; cabbage \$1@1.25 per bushel.

GRAND RAPIDS

Except for chickens which were weakened by a heavy run, the poultry market in Grand Rapids for Thanksgiving week was strong. Turkeys were in good demand and bids were advanced from one to two cents over last week's prices. The hog market was decidedly weak. The grain market opened the week steady, but potatoes were unsettled. Movement continues light, shipments in Michigan last week totaling 460 cars. Prices as follows:

Poultry.—Turkeys, live 28@30c lb; dressed 35@37c; chickens weak, live 15@17c; heavy hens 16c; light 14@15c; ducks 20@22c; geese 18@20c.

Fruit.—Apples, fancy \$6@7 per bbl; seconds \$3@5 bbl.

Vegetables.—Potatoes \$1 bu; onions dry \$2@4.50 cwt; celery 20@45c per bunch, \$1 box; cabbage, white \$1.35 bu; red \$2 bu; carrots, parsnips, beets and spinach \$1@1.25 bu; turnips 50c bu. Greenville.—Potatoes No. 1 white \$1.30@1.40 per cwt.

Grain.—Wheat No. 1 red \$1.08 bu; white \$1.05 bu; rye 62c bu; barley 85c bu; oats 42c bu; corn 60c bu; buckwheat \$1.35 cwt; beans, white \$3.50@3.75 cwt; red kidney \$5.50@6 cwt.

COMING LIVE STOCK SALES.

Duroc-Jersey.—December 1, C. L. Power, Jerome, Mich.
Holsteins.—Dec. 16, Dispersal Sale, Lakeside Dairy, Lake Odessa, Mich.
Draft Horse Sale.—Jan. 13, Michigan Agricultural College, R. S. Hudson, Secretary, Michigan Horse Breeders' Association.

NEW MARKETS FOR DAIRY COWS.

DURING the pioneering days of the reclamation projects, the settlers confined their efforts almost wholly to the growing of general crops, such as grain and alfalfa. Their forage crops were consumed by the range stock driven in for winter feeding and fattening. Such methods of farming were easy, and so long as the prices of beef and mutton held up were fairly profitable. They were not, however, conducive to thrift and good cultivation. For the past three years the rapid decline in the price of meat products and wool has resulted in decrease in the number of cattle and sheep, and in the prices of forage crops. Based on the investment in land and water rights, the irrigation farmer can not afford to produce alfalfa at present selling prices. He must find some other method of disposing of his hay, which represents nearly seventy per cent of his crop. Consideration of his problem leads him naturally to turn to dairying as a solution. His concern just now is where to obtain his cows. Farm bureaus are lining up the farmers in organizations, which, with the active cooperation of the local bankers, are planning to purchase in carload lots, with funds secured from the federal loan agencies. Information concerning these is obtainable from the Statistician, Reclamation Service, Washington, D. C.

MR. HARTMAN TO DIRECT FOOD MARKET WORK IN STATE.

MICHIGAN was agreeably surprised in the appointment of William P. Hartman, of Grand Rapids, secretary and manager of the Western Michigan Development Bureau, as the new director of food and markets in the department of agriculture. Mr. Hartman was named to the office by Governor Groesbeck upon the recommendation of State Commissioner of Agriculture H. H. Halladay. He will succeed Fred L. Woodworth, who has been appointed collector of internal revenue in the eastern district of Michigan. Mr. Hartman was formerly agricultural agent of the Grand Rapids & Indiana Railroad and later with the Falk Potato Flour Company of Cincinnati, Ohio. Mr. Hartman tendered his resignation to the directors of the Western Michigan Development Bureau on November 22. His successor has not been named.

SAGINAW HOLSTEIN BREEDERS HOLD SUCCESSFUL SALE.

A SALE of fifty-two pure-bred Holstein-Friesian cows, calves and bulls brought \$6,555 at the Saginaw County Fair Grounds, November 16, at the annual auction conducted by the Saginaw Valley Holstein-Friesian Breeders' Association. About 400 interested cattle owners and buyers from the central part of the state attended the sale, and showed their interest by sharp snappy bidding. Some of the leading sales of thoroughbreds were: Artense Virginia Ravenwood, consigned by Thos. Phoenix to Percy Nye, of Romeo, for \$415; Netherland Helen Beauty Girl, consigned by the Netherland Farm, Munger, to Jacob Hoffman, Oakley, for \$325; Netherland Lulu Prilly, by the same farm to Arthur Pitton, of Highland Park, for \$305; Netherland Josie Prince Segis, consigned to Jacob Hoffman for \$300; Netherland Princess Helen Girl to Homer Stableford, Yale, for \$285; Segis Artis Mooie, consigned by Thomas Phoenix to Arthur Pitton, Highland Park, for \$260; Belle Segis Ravenwood Mooie, consigned by Thomas Phoenix to Henry W. Mohr, Pigeon, and Prilly Aagie consigned by

William Roenicke to Jacob Hoffman for \$200.—M.

YOUNG BROTHERS' POLAND-CHINA SALE.

THIS outstanding offering of Big-Type Polands found buyers at somewhat higher figures than have been paid at the general run of swine sales this fall. The auction was held at Niles on November 10. Forty-nine head sold for an average of a little over \$52 per head. F. O. Haynes, of Ohio, bid the top price of the sale when he bought Wrigles Great Giant for \$265. Link Lookings, of Indiana, paid \$185 for each of two gilts, and W. Hunter of the same state, went down in his pockets for \$152 and \$125 for two more of the same litter. E. E. Yoder, of South Bend, got the fifth gilt of this litter for \$88. Two young boars out of the great boar Gladiator, went for \$75 and \$71.

SELLS GRAND CHAMPION SOW.

Virgil Davis, of Ashley, Michigan, has sold Ryan's Fancy Royal Lady Second who took the grand champion awards in the Duroc classes at the Grand Rapids Fair, and the same honors at five other fairs in the state this past season to the Loeb Farms, Charlevoix, Michigan, for \$500.

BEANS.

AMERICA'S bean crop for 1921 amounts to 9,332,000 bushels. This, at least, is the estimate of the federal crop reporters. Last year the final estimate was 9,075,000 bushels. The 1921 crop is about four million bushels below the average for the five years from 1915 to 1919 inclusive. Beans are eaten more freely when the household finances are short, for this product furnishes food elements very cheaply.

MILK PRICE IN DETROIT AREA.

The milk price for the Detroit area has been set at \$2.41 for all the milk, no surplus. This price holds for the months of November and December.

A joint effort will be made by Michigan canners and the State Farm Bureau, to work out a more efficient system of marketing fruits and vegetables in Michigan.

Duroc-Jersey Hog Sale

Thurs. Dec. 1, 1921 at 1:30 P.M.

The offering will consist of 7 tried sows, 22 spring gilts and 9 boars. Cholera immune. Certificate of Registration with every hog.

Top Col's King, a good grandson of Walt's Top Col., will sell in this sale. If in need of a real herd boar, come to this sale.

Wm. Waffle, Coldwater, John Hoffman, Hudson, Auctioneers

C. L. Power, Prop., Jerome, Mich.

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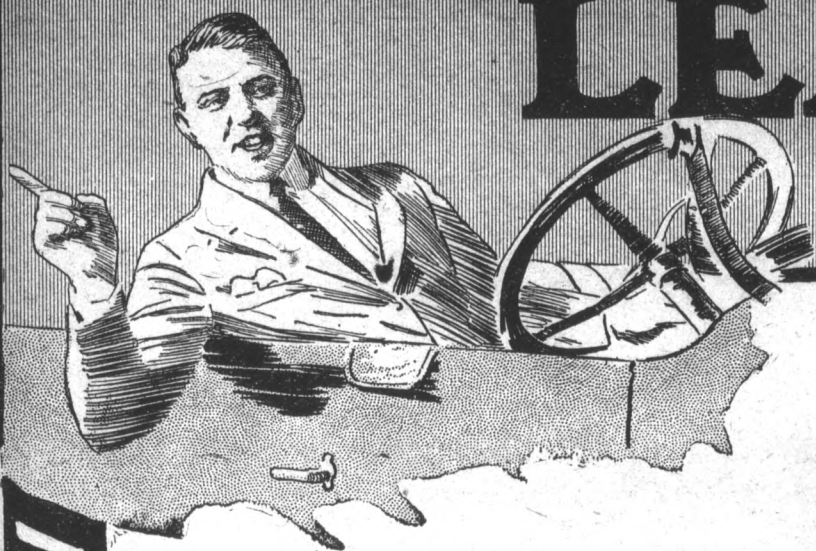
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I only ask if you are mechanically inclined. I don't care if you have worked at something else all your life. If you like machinery here is your big opportunity.

Look over the country today and see the men who are out of work. They are untrained men, unskilled labor. How are employment boards solving this problem? By training men. And that's what I do. I train men for the best business in this country, the business right now that is **Hungrily Looking for mechanics**. And I Will Pay Your Fare Here to learn in a few short weeks the work that will fit you for such a job. I am printing in this ad right over my name a list of openings that I know of, and a list of wages or salaries a man can earn who knows his work. Start in with the easiest job of all—a chauffeur. I say a chauffeur gets \$90 to \$150 a month. I know. I pay my own driver \$125 a month and board and lodging, so that he has a pretty nice job and saves good money. He has a lot of fun driving around and making tours and seeing the world. He is treated right; he gets as good food as I do and as soft a bed to sleep in. I think on the whole he has a better job than mine because he hasn't a worry on earth. Well, the chauffeur job is the easiest and most simple job of all, the first step on the ladder.

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Welders	\$140 to \$200
Battery Man	\$150 to \$200
Auto Mechanic	\$6 to \$10 a day
Auto Electricians	\$225
Tractor Engineer	\$10 a day
Garage Manager	\$150 to \$400
Demonstrator and Salesman	\$150 to \$500

Young men, mechanically inclined, get into the automobile business now, and make some real money. And remember, you are never too old. Henry Ford was 40 when he started the Ford Co.

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SWEENEY trained men are in demand everywhere at good wages, **\$50 a week and more**, from garages, tire shops, welding concerns, auto repair shops, etc. Thousands of men are hunting jobs, **but the autos still keep running and no trained mechanic has to hunt a job!** Top wages are paid **but Sweeney trained men are wanted**. The skilled man is in demand—the unskilled man walks the streets. **Here's the proof.**

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