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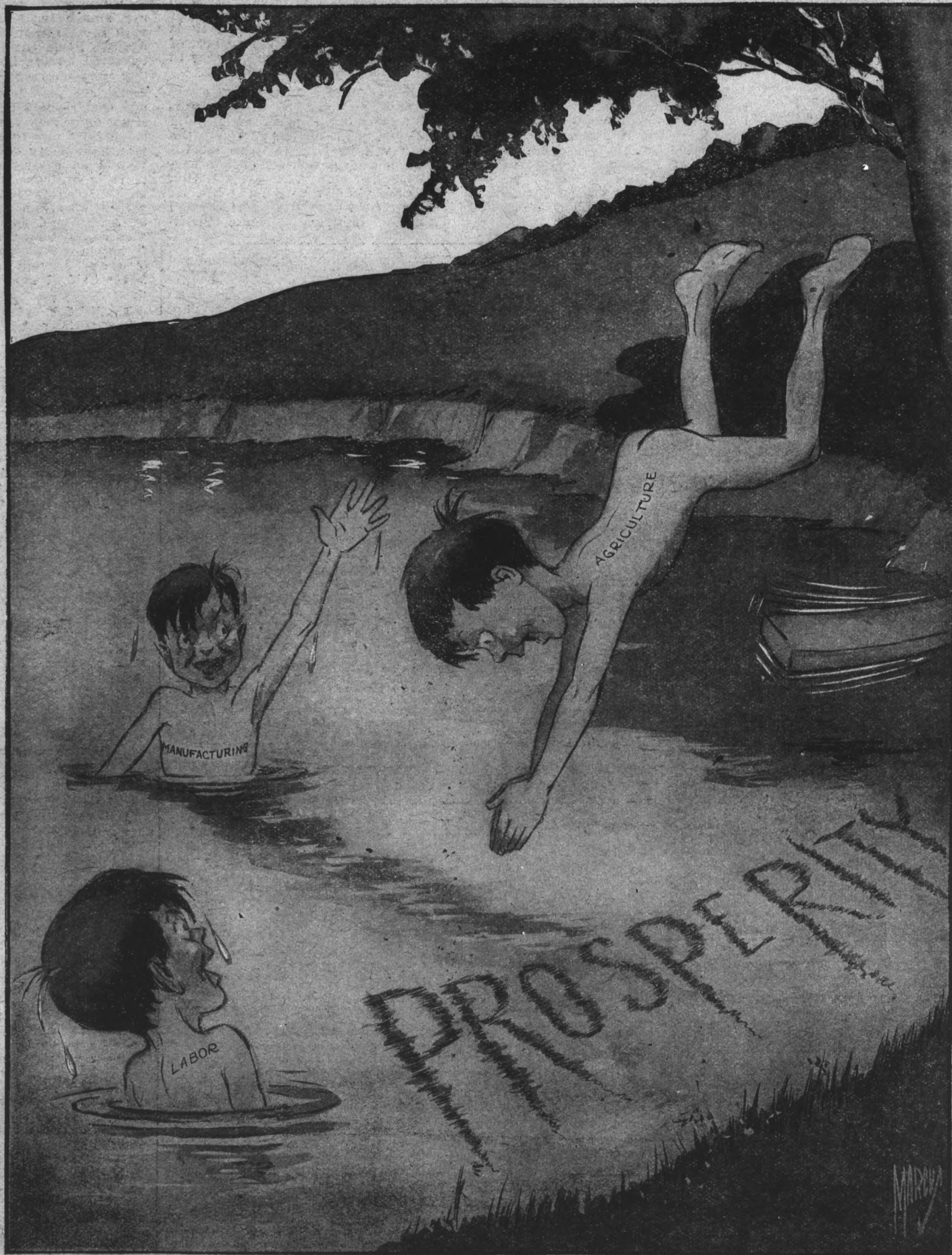
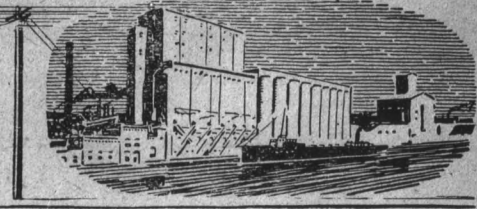
The Michigan

JANUARY 7, 1928

BUSINESS FARMER



*An Independent
Farm Magazine Owned and
Edited in Michigan*



"A LATE ARRIVAL," SAYS FORBES. "ABOUT TIME," SAY WE.

In this issue: Summary of How M. B. F. Served Its Readers During 1927 and What We Plan on Doing in 1928 — "The Farm Thief Must Go" — Reward Offered For Thieves Who Shot Bay County Farmer — Pritchard's Weather Forecast for 1927 — "Chatting With the Agricultural Teacher" — and many other features

Michigan Weather Forecast for 1928

By L. N. PRITCHARD

WE have had many letters from our folks commenting on the accuracy of our Mr. Pritchard's weather forecast for 1927, which appeared last March, and they asked if we were going to publish one for the year of 1928. An Isabella county subscriber writes, "Your 1927 forecast did me much good and the farmers around here are anxiously waiting for the 1928 forecast." Well, here it is, folks. After you read it be sure to file your copy of this issue in a handy place so you can refer to it at any time. Of course, forecasts for two weeks ahead will continue to appear in each issue of M. B. F. but you may want to look further ahead so do not mislay this copy.—Editor.

I LOOK for a cold and wet winter, as I have already forecast in my regular column. This will probably mean a good covering of snow over most sections. That it will hold over into the spring months seems quite probable but precipitation during the spring season will, of itself, be generally deficient. Likewise, precipitation will be less than usual during the summer months, but during the fall months the mean precipitation will be considerably above the normal.

My 1928 weather forecast for Michigan by months is as follows:

JANUARY: The state will have varied weather conditions during January. There will be sharp cold spells and also some moderately

warm spells with, perhaps, a little more tendency for the cold than the warm. There will be several heavy areas of precipitation during the month, likewise, there will be some periods and some sections that will have only light falls. Summed up as a whole, precipitation will be above the seasonal normal and the temperature slightly below.

FEBRUARY: Michigan will have regular winter weather during February with the average temperature ranging below the seasonal normal and precipitation somewhat above the normal. We expect there will be signs of spring-like conditions developing for a short period during this month but it will soon be nipped by old man Winter again.

MARCH: The average temperature for most parts of Michigan will range from normal to below the seasonal normal during March and the precipitation will range above the normal in most sections.

APRIL: April bids fair to be a cool month throughout most parts of the state with some days ranging decidedly low for the season. The precipitation will average a little less than the normal for most counties, although we believe there will be other sections close by that will receive sufficient, if not a little too much, moisture for the best interests.

MAY: This critical spring month for Michigan farms will be a poor period for the growing crops and those that should germinate. Temperatures are expected to average below normal. Precipitation may not be overly heavy but more or less constant during the month so as to keep the ground too wet for proper farm activities. The fact that there will be less than the usual amount of sunshine will also have a tendency to hold back seasonal operations.

JUNE: While temperatures are expected to remain below normal during most parts of May in Michigan, the latter part of the month will be a little more moderate than first part in relation to normal conditions. The precipitation will be somewhat varied but heavier as the month progresses. There will be numerous extremes, some electri-

cal storms, severe winds and other unusual and sudden atmospheric characteristics.

JULY: Rainfall for the month of July as a whole will average above the seasonal normal in most parts of the state and will be the result of electrical, wind and general storms that will visit numerous counties of Michigan, some of them rather suddenly. Temperatures during July will average moderate to a little below normal but within the 31 days we are expecting some rather notable extremes.

AUGUST: It is quite likely the rainy spells of July will run into August as well but will gradually lessen somewhat. There will be some notable electrical storms recorded, we believe, and it is not at all unlikely that some unusual weather effects will be seen this month. Temperatures are expected to range from normal to below for the month in general in Michigan with some rather severe or startling drops. Some early frosts are to be expected during last half of month.

SEPTEMBER: There is little doubt but that September will average cool to cold in Michigan. Early, if not dangerous and damaging frosts are almost sure to appear during this month in many districts not usually visited so early. Sunshine will be more in evidence than is usually the case during September and rainfall will be less than three inches in the St. Joseph and Van Buren county region and not much, if any, over two inches in the regions of Grand Traverse and Livingston counties. The latter half of the month will be the driest.

OCTOBER: Rainfall during October will be heavier in Michigan than last month and heavier than is usual for the average October. It is our idea, however, that precipitation will not be evenly distributed in all parts of the state—some counties will have much less than others. Temperatures will range normal to below with some sudden changes.

NOVEMBER: Temperatures will continue to range below the seasonal normal during November in Michigan, quite likely setting some new low reading records. Precipitation not expected to be overly heavy and may not come up to the usual normal amounts in most counties. Some few local sections may receive heavy falls of rain or snow.

DECEMBER: Plenty of cold weather is expected in December throughout most parts of Michigan; winter will be well on the way and in dead earnest. Precipitation will be moderately heavy generally and locally very heavy. There seems to be everything in favor of a good covering of snow in most counties before 1929 begins.

VEGETABLE GROWERS' SHORT COURSE

AN intensive course of instruction, lasting one week—Feb. 6 to 11—for market gardeners, truck gardeners and all those engaged in the raising of vegetables for sale will be put on at the Michigan State College. The program, according to J. B. Edmond, of the horticultural department of the College, includes a discussion of such topics as: supplementing barnyard manure with commercial fertilizers; hot beds; cold frames and glass substitutes; recent developments in insect and disease control; transplanting; cultivating; irrigating; grading; marketing; varieties and seed strains. Emphasis will be placed on recent investigations in vegetable crop production.

Registration begins Monday forenoon, February 6, and all classes start in the Horticultural Building at 1:30 P. M. of the same day. Total living expenses during the course need not exceed \$15.00. Accommodations may be obtained by writing J. B. Edmond, Department of Horticulture, M. S. C., East Lansing, Mich.

BROADCASTING IN UNITED KINGDOM

ALL broadcasting stations in the United Kingdom are owned by the government and are operated through a broadcasting commission. Expenses are paid through receiving license fees. Only one broadcasting station is allowed in each city. There are twenty now in operation.

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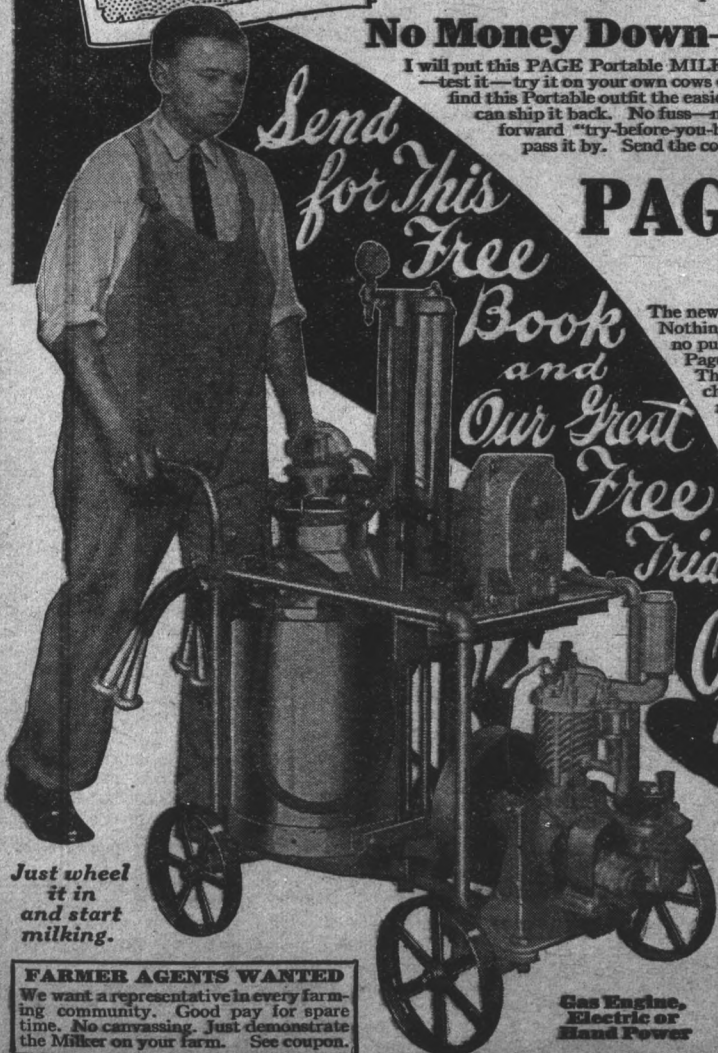
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THE ONLY
FARM MAGAZINE
OWNED AND
EDITED IN
MICHIGAN

Published Bi-Weekly at
Mt. Clemens, Michigan

"How to the line, let the chips fall where they may!"

The Michigan BUSINESS FARMER

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SATURDAY, JANUARY 7, 1928

GEORGE M. SLOCUM
Publisher

MILON GRINNELL
Editor

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Would You Rather Live on Farm or in City?

Most Arguments on the Question Seem to be in Favor of Country Life

DURING the last ten years a great many farmers have left the farm to become city laborers. Perhaps the reason given by most of them would not be as to whether they liked city life better than country life, but rather that they chose the place on account of the returns they could get for their labor. Just what is it that most people want? Isn't it an income that will enable them to care well for their families, educate their children, get some at least of the luxuries of life, and be secure from want in the years when they are no longer able to work?

Who are getting this sort of an income—the deserters or those who have stayed on the farm?

In our community and in some others that I know about the men who have gotten discouraged with farming and have gone to the city are the ones who had been using on the depleted and worn-out soil of old farms the same methods which the pioneers used when the land was new. They are farmers—rightly named farm miners who have been cropping the soil without renewing soil fertility; and both farm and farmer got poorer year by year.

In the cities these farmers have become factory men, carpenters, railroad employees, etc. Many of them are making more money than they ever made on the farm. But very few are saving any. In flush times they fare well; in times of stress they work on short time and worry about losing their jobs. They are at the mercy of industrial conditions; a strike, a lay-off, a fire that destroys the plant, a surplus of men, may render them jobless.

Some rent houses for high prices which tend to increase, nor does higher rent insure any betterment in living conditions, for landlords are usually opposed to any outlay of money not absolutely necessary, and in the crowded cities another tenant to take the place of the outgoing one is always on hand.

Some are buying homes on contracts. Should the purchaser fail to make his payments when due his contract becomes void and he may lose his home and all that he has paid on it. Not a few of these time-payment buyers have a mortgage on which to pay interest in addition to the payments made monthly.

Of course this doesn't prove that some of the ex-farmers in the cities aren't enjoying a better life than they had on the farm. Some of them do like town life better. They are the ones who were only farmers by accident.

But the men who are staying on the farm because they like farming, because they see a better future ahead and are willing to work toward it, are the real farmers.

They are studying improved farming methods, rebuilding depleted soils, raising larger crops on less acreage, weeding out non-productive live stock and feeding only those that will return a profit for the feed, housing and labor they cost. They are adopting the methods and machinery tested out and recommended by their agricultural colleges, farm journals, and county agents.

What are they gaining to make up for the greater income they would likely get—at first—by going to town?

First, each farmer is working for himself if he is a landowner. He is his own employer and all that he makes is his. More and more, too, he is learning to co-operate with his

neighbors for the mutual benefit of all. Second, no master can take his job from him. No landlord can raise his rent. If his place is not all paid for he has, at least, a steady job; and if he practices good farming methods is never without some income, or some product that he can

turn into money. In winter, cream, butter, eggs, poultry, veal calves, etc., and in summer all of these and the crops he raises for a cash income.

Each year sees more farmers owning automobiles, radios, putting in heating and lighting and water systems, using better machinery,

\$100 Reward Offered for Three Thieves

By MILON GRINNELL

A LITTLE over a year ago L. J. Wilson, a Montcalm county farmer, fired a shot that was heard all over Michigan and in many surrounding states. It was the shot that killed a thief he discovered breaking into his chicken coop just before midnight Thanksgiving eve. Perhaps if the officials had declared Mr. Wilson had acted within his rights in protecting his property little would have been known about it outside of that community but they saw fit to charge him with manslaughter and it was then that THE BUSINESS FARMER stepped in to help Mr. Wilson.

Our attorney gave valuable information to him and we took up his fight in the editorial columns of THE BUSINESS FARMER. In one issue we published the heading for a petition in his behalf, urging our folks to clip it out, attach a sheet of paper and circulate it among their neighbors. Before the trial, which was held in March, nearly 100,000 people had signed these petitions. Then we announced that we were going to start an L. J. Wilson Defense Fund, as many had expressed a desire to help financially, the money to be used to defray his expenses. When all of the money was in, our account at the bank showed we had \$856.70. Then we learned the attorney's charges amounted to \$400.00, leaving \$456.70 in the fund to remain in the bank, at interest, "until needed to defend any farmer who is brought to trial on a similar offense or any case which in the opinion of the Editor of M. B. F. is deserving of our support."

To our knowledge no farmer has been brought to trial in this State for similar offense since then but we have learned of a case which in the opinion of the Editor, deserves our support.

Farmer Shot by Thieves

John McNally, a farmer living near Bay City, was awakened early

Tuesday morning, December 20th, by the barking of his dog. Going to the barn to investigate he discovered three men, apparently foreigners, attempting to remove his grain. Confronting them he was greeted with a series of shots, and he fell wounded on the barn floor. The thieves then proceeded to set fire to the barn, believing that they had killed Mr. McNally, but he regained consciousness just in time to escape with his life. All of his grain, hay, other crops, and most of his livestock were destroyed. Mr. McNally was rushed to the hospital where it was found that he had been hit three times but his condition was not considered very serious. He was unable to give the sheriff any clues as to the identity of his assailants.

As soon as this information reached us we wired Sheriff Ezra Marvin, of Bay County, that we were offering one hundred dollars reward, to be paid from the L. J. Wilson Defense Fund, to the person supplying the information leading to the arrest and conviction of the person or persons responsible for the shooting of Mr. McNally and the burning of his barn. Also we requested him to broadcast this fact to the newspapers in his territory and to all local detective agencies to try to bring about the early apprehension of the thieves.

Mr. McNally is not a subscriber to THE BUSINESS FARMER, but that does not matter. He is a farmer in Michigan and he was trying to protect his own property. That is reason enough for us to come to his assistance and we know every one of our subscribers will stand behind us one hundred per cent.

This is another case that shows the need of farmers owning firearms and using them when necessary. If Mr. McNally had been armed and got the drop on the men before they saw him perhaps one or more of the thieves would be in the hospital today, along with Mr. McNally.

EZRA MARVIN SHERIFF

BAY CITY MICH

WE OFFER ONE HUNDRED DOLLARS REWARD FOR INFORMATION LEADING TO ARREST AND CONVICTION OF PERSON OR PERSONS RESPONSIBLE FOR SHOOTING OF JOHN MC NALLY AND BURNING OF HIS BARN KINDLY BROADCAST THIS INFORMATION TO YOUR NEWSPAPERS AND LOCAL DETECTIVE AGENCIES

MICHIGAN BUSINESS FARMER

Telegram we sent to the Bay county sheriff when we learned thieves had shot Mr. McNally and burned his barn when he discovered them taking grain from his barn.

raising better live-stock. An ever increasing number are sending their children to higher institutions of learning. More of the woman are taking College Extension courses in Home Economics. The farm—in the early days a place of few comforts, almost no conveniences and little leisure—is all the time advancing toward the position it should hold—that of the ideal where all the family work together in a common interest. Farmers even take vacations these days.

The farmer works with an enthusiasm unknown to the city laborer who occupies a job that is his today and tomorrow may belong to someone else or not exist.

The farmer brings to the table—three times a day—an appetite that makes dainties of common fare; and at the same time he enjoys many of the dainties that the city laborer only gets by paying enormous prices for but which the farmer raises and uses freely.

The well-managed farm increases in fertility. The livestock increases in value. As the farmer grows old he hands the management of the farm to a son or hired helper. Often he is able to retire on the money from his investment and the income from his bank account.

The city laborer as he grows older finds his earning power growing less, his job less secure. His investment—the home he has taken the best years of his life to pay for—cannot support him and house him too unless indeed he turns it into a boarding or lodging house.

The farmer who sticks is the farmer with a vision of what a farm home ought to be. He is the farmer who has patience, and perseverance. He loves the smell of the fresh-turned earth in the spring, the new-mown hay, the fruit harvest. His work is hard but not monotonous for it is HIS interest and that of his family that he is working for, at constantly changing tasks.

Uncle Sam owes it to the farmer who has stuck through the hard years since the war to put him on a par with the city business man. The farmer has the best security of all—the land itself—and for it he can get the least in credit.

But the farmer who sticks, and works his brains as well as his brawn, is going to win whether Uncle Sam does justice to him or not.

POTATO TRAIN HIGHLY SUCCESSFUL

THE Potato Show Train operated over the New York Central Lines through Southwestern Michigan in cooperation with the Michigan State College was highly successful according to those in charge of the train.

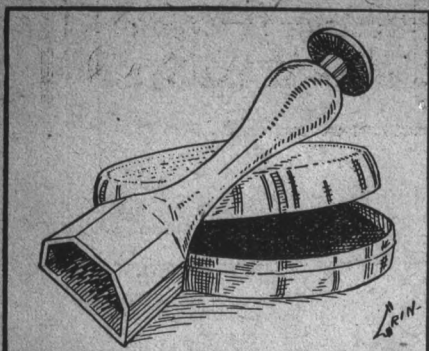
Starting at Jackson on December 6 it completed its schedule at Hillsdale on December 16. It made ten stops in ten counties in as many days.

In points of attendance, entries, and competition in contests this Potato Show ranked well up with the best in the State. The entries were mostly of high quality for the first show.

Over 1700 farmers, their wives, Boys Potato Club members, and agricultural high school students visited this train and entered 228 exhibits of potatoes.

At each stop exhibitors competed for the \$110 in premium money offered and the best peck was taken

(Continued on Page 26)



The Business Farmer's Poultry Marker with a supply of ink which we are selling at cost to our subscribers as part of our campaign to eliminate the chicken thieves in Michigan.

ON September 25th, 1926, THE BUSINESS FARMER declared war on chicken thieves in Michigan by posting \$1,000 to be paid out in rewards of \$50 each to persons supplying the information that leads to the arrest and conviction of persons guilty of stealing poultry from paid-up subscribers to this publication. We started this fight because an investigation revealed farmers in this State were losing right around a million dollars a year through the operations of these thieves and we are going to stay in it until they find Michigan too hot for them. We have paid several rewards and have been instrumental in putting a large number of thieves behind the bars of Michigan prisons for from several months to several years. In July, 1927 we broadened our work by adding \$500 to be paid out in rewards of \$25 each to cover thieving of other livestock, grains, fruits, and farm implements.

The offering of rewards has done much to bring the seriousness of the whole situation to the attention of the public and our officials, saving farmers of Michigan thousands of dollars, but if we are to make a clean job of it we must have something more than rewards. There must be 100 per cent cooperation all along the line, between farmers, officials, dealers and M. B. F. And farmers can do more than any of the others to stop not only poultry stealing but other forms of thievery in the country. There are six important things they should do:

1. Put good locks on the doors of all buildings and either bar windows or fasten them shut.
2. Install burglar alarms.
3. Mark poultry with an identifying mark which is registered with poultry dealers and sheriffs.
4. Organize county-wide anti-thief associations.
5. Learn to shoot, and do not hesitate to do so when necessary.
6. Enforce poultry dealers' registration law.

Only after careful study of the problem in Michigan and of what is being done successfully in other states have we seen fit to make these recommendations. The habits of the poultry thief have been studied from every angle, and we have spent much time and money on the study of how to protect farm property from theft. The above recommendations are the result.

Locks on Doors

The putting of locks on doors and making windows secure is the first recommendation.

Much of farmers' losses are due to sneak thieves who manage to make a living without working, to the wonderment of the neighbors. They only take a few chickens to serve on their own table and they visit different coops about the community so no one loss amounts to much. When they come to a coop that is securely locked, both doors and windows, they pass on, as a rule. But good roads and trucks have brought the professional thieves into the country and you may be sure they are out there to clean up. When they get into a coop they take all of the poultry. They travel equipped to handle almost any quantity. Also many of them are armed and will shoot if necessary to make their get-away. To them a lock is not such a serious matter but it will turn away at least fifty per cent of them because usually they can go to some coop that is unlocked, catch and load their loot and be away before they can force

The Farm Thief Must Go

Suggestions on How to Get Rid of Him

By MILON GRINNELL

entrance into the securely locked hen house. So, whether it be amateur or professional thief, locked doors and fastened or barred windows offer protection against their invasion.

Install Alarms

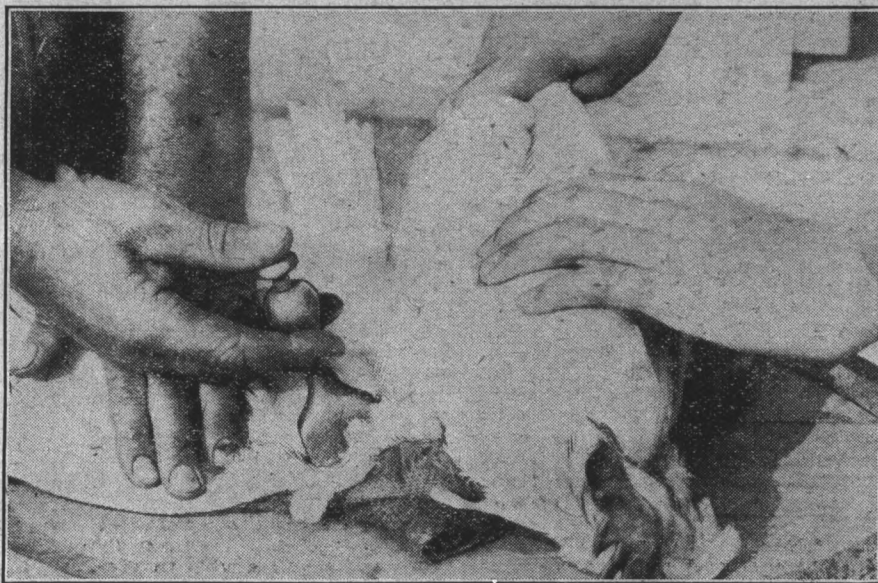
Second is burglar alarms.

Have you ever been awakened near midnight, out of a sound sleep, by some noise that you thought came from the chicken coop? Have you groped about blindly in the dark for your shoes with one hand and for your pants with the other, then put them on and reached for the shotgun, all the time still half asleep? In fact, you really were not awake until you had been out in the night air for a few minutes. If you have been through this you are ready to

it goes off the thief will not be there. He will run right out from under his hat.

This alarm has no outside wires that can be cut. The gong is operated from dry cell batteries and will ring for hours if not turned off. As everything is inside the poultry house one must get inside to turn off the alarm. The thief being outside he decides at once to change his location before the farmer and his family are thoroughly aroused.

The alarm is not difficult to make if one is handy at all, and we will be pleased to supply details and list of parts that can be bought at the hardware store. We thought most of our folks would prefer to buy the complete alarms so we secured a special low price on them, and can



How the mark is stenciled on the wing of the chicken. As the mark is indelible it can not be removed and thieves will avoid stealing marked poultry because of the hard time they would have disposing of it safely.

admit with us that a thief could have made his escape or he could have shot you dead before you got ahold of all your senses. Few, if any, of us are very keen about facing an alert thief who may be armed and ready to shoot if his liberty is threatened, even though we may be wide awake, so the type of alarm we recommend first is the gong alarm. This consists of a large gong inside the poultry house, which will make noise enough to be heard all over the place when it is released. It is a thief scarer rather than a thief catcher. When

furnish them postpaid, with complete directions for installing, at \$6.50 each. This price does not include batteries. Three dry cell batteries, costing from forty to fifty cents each at your local hardware, will be needed. We are selling these alarms at cost as a service to our folks.

So much for the gong alarm. If you want more information it will be gladly furnished but now we want to take up the simple so-called "silent alarm." The illustrations of both the open and closed circuit types explain fairly clear, we believe, how a

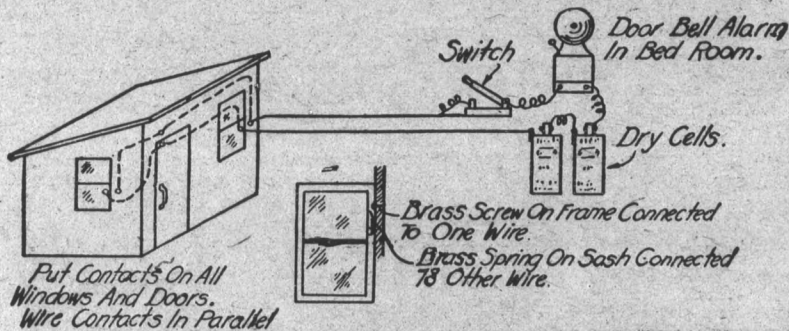


Fig. 1. Open Circuit Type.

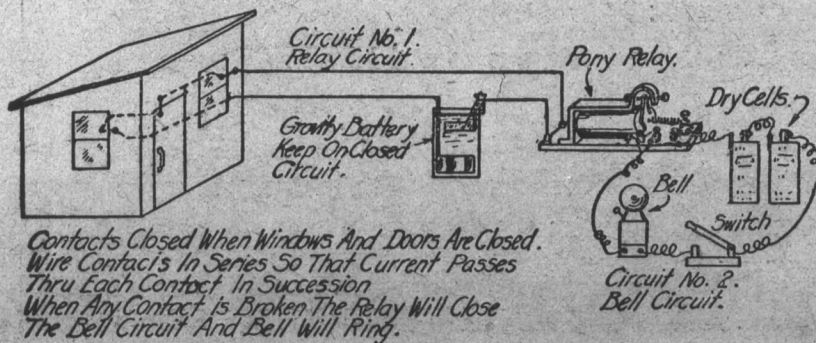


Fig. 2. Closed Circuit Type.

Simple burglar alarm, either open or closed type, can be easily made if a person is at all handy. All material can be bought at any electrical store and the sketches show how to do the wiring. However, if there is anything not entirely clear do not hesitate to write.



With this mark stenciled on the wing of all your chickens, and the mark and your name and address registered with poultry dealers and sheriffs in Michigan, thieves will hesitate about stealing your poultry because it will be hard for them to market the birds.

person can make either one. This is the kind of alarm to install if you want to catch thieves, as the small bell is installed in the bedroom and connected with the poultry house by wires. When the thieves open a door or window of the coop the bell rings awakening the farmer but not warning the thieves.

If the family is away from home it is of no value while the gong alarm will function any time.

The open-circuit type is the cheapest and easiest to make but not very reliable as thieves can cut the wires leading to the house. Then the alarm does not function. Because of the greater security afforded the closed circuit type burglar alarm is to be preferred. With this type when there is a break in the circuit, caused by opening a window, or a door, or by cutting a wire, the bell rings. Two dry cell batteries are used in either circuit.

What To Do When It Rings

If you install a silent alarm and are awakened some night by its ringing remember to not turn on any lights, be sure that you are wide-awake before going out of doors, then slip out of a side door and approach the chicken coop from the side opposite the house. The thieves will be watching the house and will see you if you come out of a door on the nearest side. If there is more than one thief it is best to go back to the house and call up the sheriff or one of his deputies for assistance. If there is but one thief you can order him to put up his hands, keeping behind some cover as a precaution in case he is armed. Never shoot until you are forced to. If he refuses to throw up his hands or makes a move to draw a gun then shoot him. It is always best to shoot low enough to avoid fatal results although you are justified in killing a thief under such circumstances if necessary.

Mark Poultry

Third, mark your chickens with an identifying mark which is registered.

Once the thieves got your poultry and made their get-away before you saw them how could you prove the identity of your chickens in case they were later apprehended with the goods on them. They might be the same thieves that visited your hen house and you might recognize some of your poultry in their loot, but could you prove it was yours? Could you furnish sufficient proof to convince a judge or jury of your ownership? We have heard of thieves being released because the ownership of the poultry could not be proven.

If each one of your chickens were marked with an identifying mark, one different than any other, one that was registered with the poultry dealers and sheriffs of Michigan, as well as THE BUSINESS FARMER, you would not have any trouble proving your ownership, would you? Not only would you be in better shape to prove your ownership but the thieves would find it much harder to dispose of the poultry.

Tattoo Marker Best

There are many ways that a person can mark their chickens but most of these marks are not permanent. We investigated all of them and eliminated every method except putting a mark on the wing with a tattoo marker. But we could not find just what we wanted in a marker for some time. Most of them cost from three to five dollars and that is too much. Finally we learned of one made in Chicago which appeared to be what we were looking for so we made a trip over there to talk with (Continued on Page 28)

THRU OUR HOME FOLKS' KODAKS



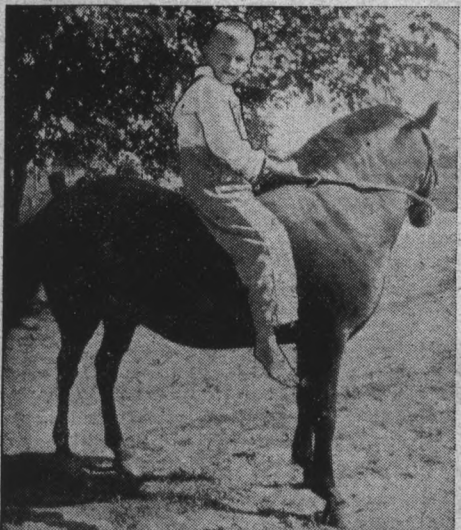
"HOW DO YOU LIKE MY PETS?"—Says Leonard Arnold, eight year old son of Mr. and Mrs. Lee Arnold, of Osceola county.



THE FAMILY GETS TOGETHER.—Reunions are annual affairs in some families and we think it a mighty fine idea. This picture was sent in by Esther C. Cassety, Wexford county.



A 225-POUND BUCK.—Shot in Oscoda county by Richard Crist. Sent in by his uncle, Lawrence Crist, of Ionia county.



"MAX" WITH HIS LITTLE MASTER.—Isn't "Max" a dandy looking pony? His master is Leroy Salisbury, son of Mr. and Mrs. Delos Salisbury, Montcalm county.



"WASH 'EM GOOD AND CLEAN!"—"My sister, Norma Powell, washing milk cans," writes Mrs. Mina Watkins, of Oakland county.



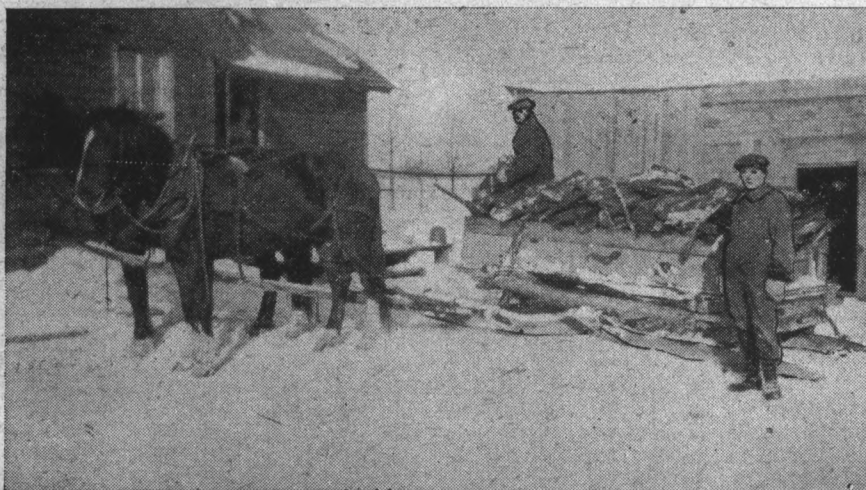
VERNON AND HIS PAL.—Vernon Johnson, of Genesee county, thinks there isn't a pal in the world like his dog.



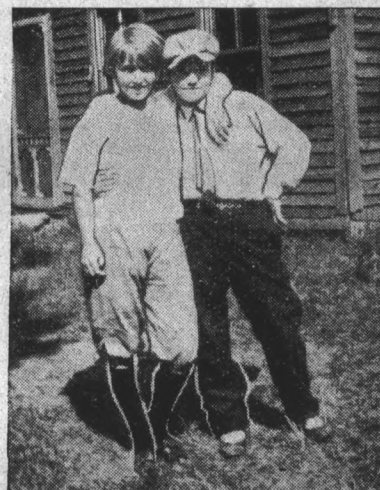
MEET MARIE AND POLLY.—"Marie" is Miss Marie Krause, of Tuscola county, and "Polly" is her pet colt. The picture was taken a year ago this winter.



TWO SWEETHEARTS.—Eleanor Giger and Clarence David, of Barry county, appear to be in love.



"WE SHOULD WORRY ABOUT ANY COAL MINE STRIKES."—Cold weather does not worry the T. T. DeJean family, of Wexford county. Mr. DeJean and his son, Homer, are hauling their winter's fuel from the woodlot.



MORE SWEETHEARTS?—You are wrong. It's two sisters, Ora and Minnie Corner, of Osceola county.



THREE GOOD PALS.—William Jedele, son of Mrs. Alma Jedele, of Huron county, with his dogs. A friend, Clarence J. Wagner, of Huron county, sent the picture to us.



"A FELLER SURE CAN KEEP BUSY WORKIN' ON THE FARM."—Chas. John Carey, three years old, is a great help to his grandfather, who lives in Oakland county, according to an aunt, Mrs. Maggie Hill, of Muskegon county.



THE WIRTH TWINS.—"This is a picture of our twin babies, Anthony and Antoinette," writes Mr. and Mrs. Arthur Wirth, of Clinton county. Pretty fine looking twins?

CAN NOT REMOVE

I have sold 60 acres of my 100-acre farm, and am to give up possession in March. I am told that I have no right to haul the manure out of the yard onto my remaining 40 acres. If so, have I a right to clean out the barns onto a spreader and haul it out?—B. E. S., Merrill, Michigan.

If the manure is at buildings on the land sold it is included in the sale, and you would have no right to remove it unless you had an understanding with the purchaser. Manure is seldom or never to be deemed personal property, but always as belonging to the land. Likewise a tenant has no right to remove manure from the land he rents, unless he makes special arrangements with the landlord. Court decisions bear out this point of view.—Prof. F. T. Riddell, M. S. C.

MUST PAY DOG AND DITCH TAXES

I am an old soldier and have been exempted from land taxes. I want to know if I have to pay dog tax or ditch tax. Please let me know if I can be exempted right along or do I have to get papers every year.—F. Y., Kinde, Mich.

YOU would not be exempt from the payment of dog tax or ditch tax. To obtain the benefit of your real estate exemption, you would have to file with an assessing officer at the time the assessment is made an affidavit stating you are an old soldier, and the length of time served and apply for your exemption.—Legal Editor.

GARDEN AND FRUIT

A rents a house and garden from B in January and later plants a garden. A lives on place until September, then moves away. Can B stop A from coming back to harvest fall vegetables? Can B charge A rent for garden until vegetables are harvested? Has A any right to fruit growing in yard and garden?—G. L. J., Clarkston, Mich.

If A rented a place for a year, he could return and harvest his crops any time until the year is up. However, if it is rented by the month, he would have no right to come back on the place and harvest crops after he has stopped paying rent.—Legal Editor.

BRINE SOURED ON SALT PORK

I am writing for advice about some salt pork. Now we have some meat left over. It was sugar cured and the brine soured on it. I was away from home on account of sickness and did not know about the meat for a long time. I took it out and washed the crock, also meat and put it back in clean brine. Meat is nice and firm and clear looking, only has a funny taste to me, no one else seems to think it has. Do you think it is fit to use? It is salty so it has to be freshened. Can you suggest anything?—Mr. G. L., Clare, Mich.

THE mere fact that brine covering meat has soured would not necessarily mean that the meat was not fit for use as this very often happens and the washing of meat and placing in new brine is all that is necessary.

From what you say about this

Farmers Service Bureau

(A Clearing Department for farmers' every day troubles. Prompt careful attention given to all complaints or requests for information addressed to this department. We are here to serve you. All inquiries must be accompanied by full name and address. Name not used if so requested.)

meat I would judge that it is alright to use. If you do not have a good place to store it in the brine and the brine should start to sour again, the best method of handling this meat would be to fry it down and cover with lard as each time the meat is placed in fresh brine it becomes more salty.—Geo. A. Brown, Professor of Animal Husbandry, M. S. C.

50-50 BASIS

I am cutting 20 acres of clover seed on a farm five miles from home, on shares, and it was agreed to leave it to you to say what share of seed and straw each one should get. Each party is to pay their share of the cost of hulling. I am to furnish all the labor and board all hands while hulling the seed. Also boarding hands while putting up the crop. The clover is alsike and is estimated will

make about a half crop of seed or around two bushels of seed per acre.—S. B., Glennie, Mich.

From the information given, I would suggest that the crop be divided on a 50-50 basis.—F. T. Riddell, Research Assistant.

WANTS PAY FOR WORK

My neighbor asked me to bring my tractor and ensilage cutter and fill his silo. I did so and after we got done filling he said he had no money but he would pay it some time. I understand he is not collectable. Can I levy on the silage for my pay?—F. C. T., Barryton, Mich.

YOU could bring suit to recover the amount of your bill and after obtaining judgment could levy on his silage provided there is sufficient amount to exceed his exceptions. I would see an attorney about this.—Legal Editor.

Chatting with the Agricultural Teacher

Edited by V. O. BRAUN

(Mr. Braun is a farmer, a teacher of agriculture and a writer. He owns and operates a large farm in Branch county known as Spring Water Farm. He is a successful teacher of agriculture in a high school in Shiawassee county. Also he writes for many leading farm magazines of this country. He is well prepared to help farmers with various problems and our folks are welcome to write him at any time. Just address him care of M. B. F. and you will receive a personal reply by early mail.)

THE farmers of Michigan should use the Agricultural High Schools in their communities.

There are 166 of these Smith Hughes Agricultural High Schools in this State and they are located in 66 of the 83 counties of Michigan. They teach a four year course in scientific and practical agriculture for the purpose of fitting the boy for farming if he wishes to follow farming as a vocation. If the boy



V. O. Braun

on the farm wishes to be a farmer it is only the sensible thing to do to study agriculture the same as if he would study medicine if he were to become a physician. In this scientific and highly specialized age it behooves every man in every profession to secure as much knowledge about his chosen work in life as possible.

For this reason the farmer and the boy who likes farming should inquire into the work and subjects of the agricultural course of these Agricultural High Schools and become acquainted with them, and the service they render to the farmer.

I believe it is a good idea to know what the schools in your community are doing anyway, whether they teach agriculture or not, as long as the farmer pays taxes to support them it is his business and duty to know that they are paying value received for his money in the education of his children. With the coming of winter and work a trifle less rushing on the farm, I suggest that you make a visit to your school and talk with Johnny's and Mary's teachers. They will be pleased to see you and a talk with them might mean a better understanding of the children and more efficient results in preparing them for their life work.

Speaking of visiting school reminds me of a question I recently asked a group of farmers at a recent

(Continued on page 26)

ANOTHER NEW FEATURE FOR OUR FOLKS

WE are happy to announce a new feature in this issue which we feel sure will be very popular with our folks. The department is under the heading of "Chatting with the Agricultural Teacher" and is being edited by Mr. V. O. Braun, a teacher of agriculture in a large high school in Shiawassee county. Mr. Braun is also owner and operator of a large farm in Branch county so he is well equipped to talk and write on farm subjects. Questions from our readers are invited and will be replied to by first class mail. Like all other departments and features in M. B. F. this new department is offered for your approval or rejection, and we want you to let us know just what you think of it.—Editor.

CHARGES FOR COLLECTING

I placed a note of \$244.00 in a lawyer's hands to collect. He had to start suit to collect. How much is the maximum amount he can charge for collection?—F. W. F., Whitmore Lake, Mich.

THE charges an attorney may make for collecting an account are not fixed by law, but depend upon agreement between attorney and client.—Legal Editor.

HAS RIGHT TO PAY

Has anyone a right to come on a farmer's land and put up a so-called snow fence along a country road? Can a farmer charge or collect any money for same and how much?—A. L. H., Fairview, Mich.

YOU would have a right to reasonable compensation for property taken by the highway commissioner for building a snow fence.—Legal Editor.

LIABLE FOR PAYMENT

Would like to get some information in regard to a note I signed for a friend. He asked me if I would sign a note for him for \$400. I never looked at the note to see when it came due. It was for a thousand dollars. He failed to meet it. Could I be made to pay it?—Subscriber, Saginaw County.

—You could be held liable for payment of the note, if the maker fails to pay it.—Legal Editor.

Bulletin Service

(The bulletins listed under this heading are free. Some are issued by the U. S. Department of Agriculture, others by agricultural colleges, and many by our advertisers. We carefully consider the bulletins that come to us from different sources and list those which, in our opinion, are of greatest value to our readers. If you want a copy of one or more just list them on a postal card or in a letter and mail to us with your name and address. They will be sent to you without charges of any kind.)

LIST OF BULLETINS.

- No. 1.—POULTRY RATIONS.
- No. 2.—MODERN WATER SUPPLY.
- No. 3.—SOIL FERTILIZERS.
- No. 4.—SEED CORN CURING.
- No. 5.—GOSPEL OF GOOD FEEDING.
- No. 6.—BEFORE YOU INVEST.
- No. 7.—FARM SANITATION.
- No. 8.—FIRST MORTGAGE BONDS.
- No. 9.—FROM EGG TO MARKET.
- No. 11.—MINERALS AND FEEDING.
- No. 12.—LINSEED OIL MEAL.
- No. 13.—FIGHT THE CORN BORER.
- No. 14.—UNDER-GRADE APPLES.
- No. 15.—RAISING RABBITS.
- No. 16.—TIRE CARE.
- No. 17.—FARMERS' TAX GUIDE.
- No. 18.—BARN AND HOW TO BUILD.
- No. 19.—CONCRETE BUILDINGS.
- No. 20.—MOTHS AND BEETLES.
- No. 21.—FEEDING FOR EGGS.
- No. 22.—CHICK CARE AND FEEDING.
- No. 23.—BETTER GRAINS AND HAY.
- No. 24.—100 FOODS FROM 4 RECIPES.
- No. 25.—FARM LEASE SYSTEMS.
- No. 26.—ORCHARD MANAGEMENT.
- No. 27.—RASPBERRY PLANTATION.
- No. 28.—POULTRY FEEDING SECRETS.
- No. 29.—FLIES IN DWELLINGS.
- No. 30.—MORE MONEY FROM COWS.

Bulletin No. 32.—FARMERS' ALMANAC FOR 1928. Here are forty pages crammed full of good things of interest to farm folks. We have only a limited supply so if you want one you better send in your request at once. Requests will be taken care of in the order received.

HERE'S HOW

To Cure Garget

By Ray Inman

GARGET
IN MILK COWS IS CAUSED BY INJURY TO THE UDDER OR BY INFECTION

BOY, YOUR COW AIN'T SICK— BUT THERE'S SOMETHING WRONG WITH THE UDDER

DE UDDER? BOSS, DEY AIN'T NO UDDER! DIS IS DE ON'Y COW AN GOT

WHEN UDDER IS AFFECTED
REDUCE GRAIN RATION AT LEAST ONE HALF

THAT GOZO MISTOOK ME FOR THE CANARY BIRD AGAIN!

GIVE COW A DOSE OF EPSOM SALT
FOLLOW WITH ONE OUNCE OF SALT PETER, ONCE A DAY FOR FOUR DAYS

KEEP COW OUT OF DRAFTS

BUT, GENERAL, SHE'S SUPPORTIN' TWO FAMILIES, A LITTER O' PIGS, TWO CATS AN' A DOG— BESIDES THAT SHE'S A CONSCIENTIOUS OBJECTOR— IF YOU DON'T THINK SO— JUST TRY TO MILK 'ER ONCE!

Apply THESE REMEDIES AT THE FIRST SIGN OF TROUBLE.
IT DOESN'T PAY TO HAVE A THREE-TEATED COW

THERE, NOW I RECKON I WON'T BE GRABBIN' THE BUM ONE ALL THE TIME

Rupture Sufferers Made Well and Sound

New Discovery Heals Rupture Without Pain, Delay or Danger. Masters Human Scourge Which Defied Science for Ages. Thousands Tell of Complete Recovery; Safety and Comfort Guaranteed

Try This New Way FREE



Now you can run, jump, dance, swim, bend—in fact, once more be absolutely well and sound. With the little clinging oval—the newly perfected feature of the Brooks Rupture Appliance—constantly working to heal you, all manner of heavy work and even the most strenuous sports may be pursued without the slightest pain or danger. Thousands who have tried it say they no longer need any form of support. Their ruptures have been healed through the use of this marvelous Appliance.

AGE is not measured in years. You are old beyond your time if you wear any sort of cruel, gouging contrivance, forcing itself into your rupture, preventing growth and making impossible the healing of that tear in your side.

Rupture sufferers for years—men, women and even little children—have been subjected to the torments of the inquisition by science; they have suffered in silence because modern inventiveness had never been able to perfect anything to really end their torture. The crude makeshifts now worn by many retain the rupture—YES—but at the same time they prevent healing.

Scientists have striven for something which would retain the rupture gently—at the same time draw the edges of the wound together. In this way, only in this way, can rupture ever be healed without a surgical operation.

New Method Heals Rupture

The new Brooks Appliance—re-built and recreated—allows the wound to heal; at the same time it retains the rupture with ease and with safety. Circulation is free—those chafing straps—those steel bands—all are unnecessary.

Here is the secret of this new appliance, this slight, gentle, velvet-

like, clinging apparatus, which is doing so much to relieve sufferers. It lays—not pushes—on the rupture. Its soft air cushion of hygienic rubber gently brings those torn edges together. Every time you move, every time you breathe, the action of this small oval is to gradually close that wound. Then Nature does it part—the edges knit and your rupture is sealed. You are well and sound.

Trusses Retard Healing

These are facts, so why not face them? You can not heal that rupture as long as the edges of the rupture are being kept apart by a hard, penetrating pad. Proper circulation is impossible, and the constant irritation by the bulging pad tends actually to lessen the chances of healing.

All this is avoided when you wear the new Brooks Appliance. That is what accounts for its tremendous popularity and for the thousands of glowing testimonials received by the inventor just like those reproduced below. The Brooks Appliance by external methods brings about a reunion of the torn sections in the abdominal wall. When this is accomplished, your rupture is well and gone forever.

Constantly Works to Heal

And it does the work—it fulfills its mission—whether you work or play,

sleep or rest—constantly that air cushion, designed so that movement tends to close the wound rather than force it open, works to heal you. The appliance really heals—seals the rupture.

Thousands of people, people of prominence in their communities, write us of complete recovery—not only relief, but a complete healing of the rupture. They have done away with their appliance—they are whole once more.

The new appliance was 30 years in the making. To-day, it is as perfect as human experience and inventiveness can make it. But only by experimenting with it yourself—by actually wearing it—can the logic of its construction be fully appreciated.

Test It Free

For that reason the makers of this appliance will allow you to wear one free—to test it, and watch its effect in your particular case. If it is found that this new departure in rupture treatment is suitable to your case, keep it, wear it conscientiously and forget you are ruptured. If it fails to satisfy you after the test period, return it to us and you have spent no money whatever. Thousands of people are making this test and they are acclaiming this newly perfected appliance a godsend.

Nervous disorders, and a general

slowing up of that resistance needed to battle for life, result from rupture. Insurance organizations, army officials and corporation recognize the dangers of hernia or rupture. So you, too, must not disregard it. It can be sealed—those torn muscle fibres can be knitted together as strongly as before, but it must not be long neglected.

The practicability of the new Brooks Appliance will immediately convince you that it can effect the sealing of your rupture. It is light, clean, safe and modern. So why not wear a Brooks Appliance and heal that rupture? Try it for ten days without cost. If it suits you, if it's comfortable, keep it; if it fails to meet your requirements, the test has cost you nothing.

Never Sold at Stores

Unscrupulous advertisers are endeavoring to sell the public a cheap substitute for the Brooks Appliance, claiming that it is genuine. Do not be misled by imitations and substitutions. The genuine Brooks Appliance is never sold through agents nor at stores of any kind. Every appliance is made at Marshall, Michigan, to your individual requirements. Look for trademark bearing portrait of C. E. Brooks which appears on every appliance. None other genuine.

Write to-day for the free offer plan. Remember, to delay may prevent permanent recovery from your rupture.

Sent on FREE Trial to Prove Every Claim Made for It!

No Longer Needs Appliance

I wore your Appliance continually night and day for 3 months then discarded it on going to bed and after about 8 months I felt so sure of myself I often left it off on Sundays.

Then, one day I went to work forgetting to put it on and I was frightened when I discovered I had left it off. To my surprise I had no trouble. So I have not worn the Appliance since and there is no sign of any rupture. I had a bad rupture and of many years' standing when I started using your Appliance. Now I have no need of any support.

Frank L. Dumas,
95 E. 70th St., N., Portland, Ore.

Healed Son's Rupture

About a year ago we bought one of your appliances for our seven-year-old son. He wore the appliance for almost a year, and we are happy to say now that he is entirely well. He wore the appliance night and day.

When we first noticed the disappearance of the rupture, we left the appliance off, to test it, but after a few days, found the rupture to be entirely healed. We sincerely thank you for the good you have done us.

Chas. Ackermann,
1743 14th Street, Milwaukee, Wis.

Ruptured Infant Now Sound

Our little boy (now 6 years old) became ruptured when one year of age. He wore the Brooks Appliance for two years and now seems to be completely well. He hasn't worn the appliance for over a year, and romps and jumps as much as the other children. We are more than pleased with the results.

Mrs. Harry Bowman, Galion, Ohio.

Foundry Worker Delighted

Having worn one of your appliances about five months, I thought I would tell you that I have not been wearing it lately, and I think I am well. I

feel my same old self again, working hard every day at my trade in the foundry, constantly lifting heavy material and still feeling fine. There is no more pain and my rupture does not show any more, as it did before I started to wear your appliance.

Paul G. Fink,
621 Smith St., York, Pa.

Hardest Work Never Bothers Him

I am well of my rupture through the use of your appliance, and have not been wearing it for over five months. I could have gone without it, I believe, at least six months before I did. I might say that I can do any work that comes to hand, such as digging rock, shoveling grain or anything else and never feel the rupture. At one time I had almost despaired of ever being well. I will always advise the use of your appliance to any whom I know to be suffering with rupture.

H. O. Morrow, Sedalia, Alta., Can.

FREE TRIAL OFFER

The Brooks Appliance Co.,
318-C State Street, Marshall, Michigan.

Without cost to me or obligation on my part to buy, please send me by mail in plain sealed envelope, full information about your Appliance for rupture, and your Free Trial Offer. Either print your name or write with pencil.

Name

Address

City State

State whether for man, woman or child



Now He Farms At A Profit

"WHEN I started to farm 20 years ago it took me 20 to 25 days to plow a 40 acre field. Last week, with my Case 18-32, I plowed the same field in 3 days. Since I got this tractor I am farming better and making more money. Last year I added another 60 acres to my farm."

The abundant reserve power and unfailing dependability of Case Tractors have enabled thousands of Case Tractor owners to greatly increase the size and earning capacity of their farms.

While Case Tractors have more power than most other tractors in their size class yet they are ideally adapted to seeding and light tillage operations because they also have speed and economy. They give continuous service and last for years beyond the life of the average tractor.

These are a few of the many reasons why a Case Tractor will enable you to make your farm pay better. Mail the coupon today for valuable information about low-cost farming.

J. I. Case Threshing Machine Co., Inc.

Dept A- 106 Racine Wisconsin

NOTICE—Our plows and harrows are NOT the Case plows and harrows made by the J. I. Case Plow Works Co.

CASE

Mail the Coupon

One or more of these highly valuable books may be obtained by returning this coupon, or writing. If record book is wanted please indicate make, size and age of tractor owned.

- ☐ Modern Tractor Farming.
- ☐ Better Farming with Better Tractors.
- ☐ Tractor Owner's Record Book.

Name..... A-106

Address.....

AT YOUR SERVICE We are here to serve you to the best of our ability and we welcome your questions on all subjects. Answers are sent by first class mail.
The Business Farmer, Mt. Clemens, Mich.

Something New in Bean Pickers

Farmers make big money. Clean, grade and hand pick your beans all in one operation. Make from \$6 to \$10 a day with this machine. For further information write
FRANK STUHR :: :: :: Rhodes, Mich.

NEIGHBOR DAVE SAYS—

"They's two kind o' folks in our neighborhood — th' kind that does things for you, an' th' kind that does things to you. Any other kind don't count."

An' they's just two kind o' fence — th' kind that saves your money an' th' kind that wastes it. Th' costliest fence is th' one that don't last."

LEADCLAD fence lasts several times as long as th' ordinary kind because its got a coatin' seven times as heavy an' four times as thick as ordinary fence. An' that thick, heavy coat is LEAD. If you drop me a line, I'll tell you how you can get a LEADCLAD fence that'll save you money."

P.S.—Better write while you're in th' nation.

Write to at th'



NEIGHBOR DAVE,
LEADCLAD WIRE CO.,
MOUNDSVILLE, W. VA.



Broadscope Farm News and Views

Edited by L. W. MEEKS, Hillsdale County

(Many people write for Mr. Meeks' advice on different problems and he is always glad to give them the benefit of his wide experience without charge. Address him care of M. B. F. and you will receive a personal reply by early mail if you are a paid-up subscriber.)

Parent-Teachers' Associations

SEEMS pretty quiet here tonight and just as I have finished the daily news and written some letters I am reminded another BUSINESS FARMER will soon be off the press and several farmers will be looking up my department to see what I have to tell them in answer to their question about the mash we feed our hens. But first I want to talk about Parent-Teachers' Associations. The folks are in town tonight at a P. T. A. meeting and I am thinking of the good such associations can do. Many parents evince too little interest in school matters. They think if they keep the children looking nice and furnish all the pencils and tablets asked for, their duty is done. Well, they may, and many do, get by this way, but those few who identify themselves with the P. T. A. and in that way get in touch with the school work and it's system, become friends with the teachers, meet other parents, are surely availing themselves of a golden opportunity to make the school a greater factor in the community, the greater the parent's interest in school affairs, the better the school will be. Tonight at this P. T. A. meeting the address is to be given by a Doctor from Ann Arbor University, who will speak on health and nutrition. The students do not attend these meetings unless they assist with the program or wish to hear some particular lecture as is the case tonight. P. T. A. organizations do not interfere with problems of school administration, and deals with all phases of child life thereby correlating the work of home and school. If your school does not have such an organization, ask the superintendent to get in touch with the State President, Mrs. Pettingill, of Lansing, and she will assist you in starting one.

L. W. Meeks

up the next day's feed so it soaks about twenty-four hours. This amount of mash is fed to 250 hens. "Do you feed cod liver oil?" Yes, a small amount is added to the wet mash. It mixes well in this mash and we think it is a valuable aid, especially on these dark dreary days. "Do your hens consume as many pounds of the mash as they do of scratch grain?" No, about one-third as much. We feed cabbage and potatoes for green feeds.

Double Walls

When we built our laying house we used the best siding we could buy and took great care to put it on properly. However in six months it began to shrink and it is not as tight as a wall should be to be draft proof. Today we have been covering the outside with a sort of wall board. It is one-half inch thick and made up of sugar cane fiber. It has great insulating capacity. On this we put a heavy slate surfaced roofing. If any wind can get through this we want to know about it.

Most any hen will lay during the spring and early summer, but if you want to bring in a basketful of eggs on dark, cold, windy, dreary December days, you will find there are several things which are absolutely necessary. The flock should be composed of well matured pullets, the feed must be very nearly correct and you must have a good warm, well lighted and ventilated house. With these three essentials there is just one more requisite—and that is that you spend enough of your valuable time to properly take care of them. You will be surprised to see how often they empty the water containers, how quickly the litter gets foul and dropping boards need cleaning. Far too many have expected to make a success of poultry without this labor element. However, without it, there is nothing doing to cause the hens to cackle.

The Old Year

The sands of 1927 are getting pretty well run out. By the time M. B. F. readers are turning the pages of this issue a new year will have begun. Was 1927 any improvement over 1926? Yes, we think it was in some ways, but there was room for much more improvement. Farm conditions are said to have been slightly better. There certainly was a chance for considerable "bettering" in that line. However, in spite of all the "politicians" the season was not suited to crop production—wheat and oats being about the only good crops in a very large section of the U. S. Prices have been fair with the exception of hogs. Generally a small corn crop does not mean that hogs will fall off three or four cents per pound. But it meant just that in 1927.

I Don't Know

I have always enjoyed an hour with a good daily newspaper or two. But I don't know—lately the news part of them have been too full of crime news for any man to enjoy. Seems like only about three men furnish anything in pleasant news to mix in with all the scandal, divorce, accidents, kidnapping, robberies, murders, hold-ups, bootlegging and King Ben stuff.

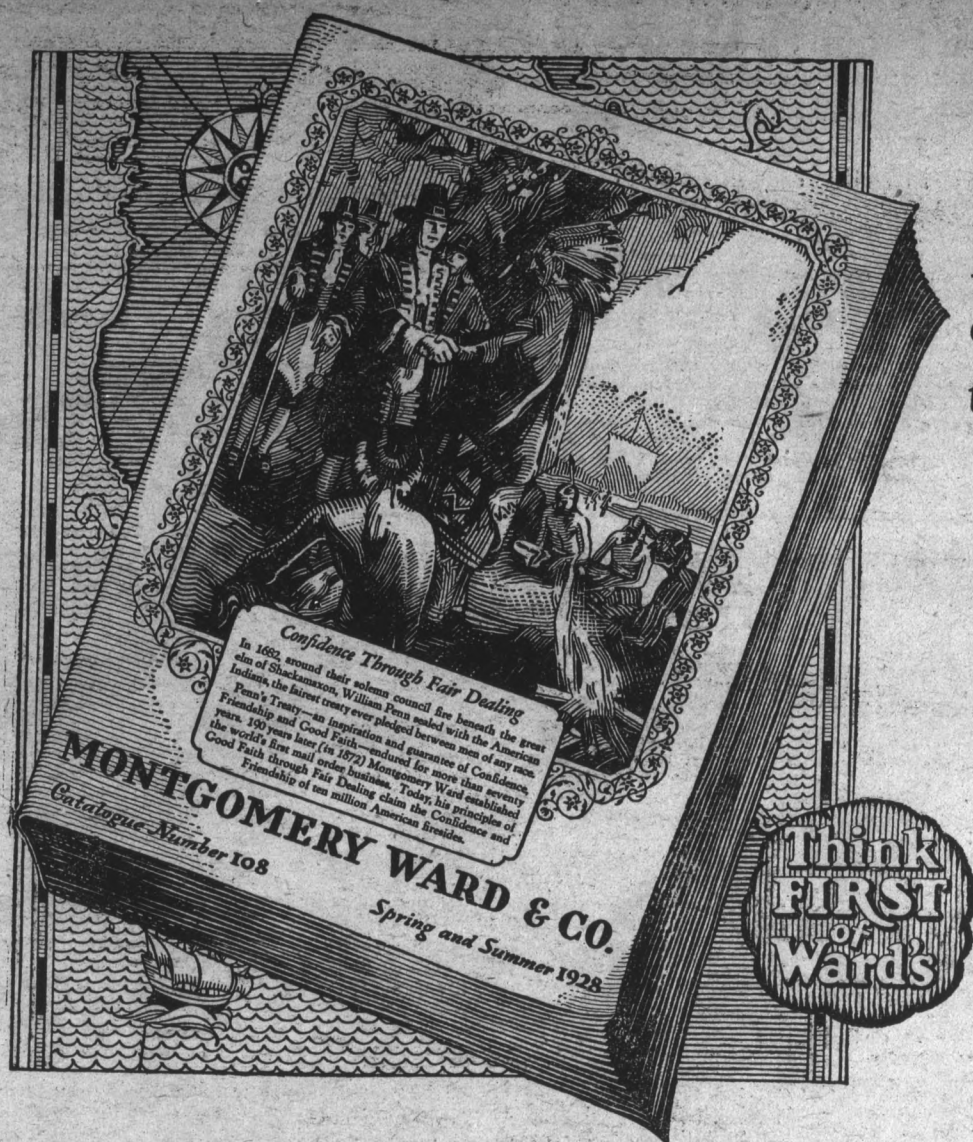
What would the papers contain of a pleasant nature if it wasn't for Lindbergh and his Spirit of St. Louis, Ford with his new model, and Mr. Coolidge with his whittling program? Get out all your old newspapers for 1927. Look the news columns and head lines over. Honestly, doesn't it look as if there were other conditions which might be improved besides farming?

We are very much in favor with your paper and think it is the best of any of the five we take.—Mrs. Mari McCary, Manistee County.

The Laying Mash

Here are several questions about poultry feeding, and the answers as we practice and believe. "What mash do you feed for eggs?" Our egg mash is home mixed and at present costs about \$2.40 per hundred pounds. 250 lbs. yellow corn meal, 100 lbs. bran, 100 lbs. fine heavy oats, 100 lbs. meat scrap (50 per cent), 6 lbs. salt, 12 lbs. ground limestone, 10 lbs. charcoal and 15 lbs. bone meal. We mix the salt, lime, charcoal and bone meal together first with about 50 lbs. corn meal. This, then is very easily incorporated with the other ingredients. On a clean floor we spread about one-half of the corn meal then a portion of the lime and salt mixture, then part of the bran, a little more lime mixture and so on until all are in one good pile. This is shoveled over about three times and the resulting mixture is good enough for us.

"Why do you think your mash is best?" We don't think it is. There are no doubt several others that are just as good. Ours is very satisfactory in results and in summing up the analysis of each ingredient we find it is about as near a perfect ration as we can figure out. "Do you feed a wet mash?" We do. We put 12 lbs. of this mash in a 16 qt. pail, and to this we add 2 ozs. of poultry yeast. To this is added enough skim milk to make a rather soft mixture. This is kept rather warm and the yeast gives an excellent account of itself. At feeding time enough corn meal is added to make the mash of a rather crumbly nature. We feed it about noon each day and at once mix



"How can WARD'S give such savings?"

Merely buying in quantity could not by itself make Ward's low prices worth while to you.

Of course, the vast purchases we make are important. We invest sixty million dollars or more in a season's stock. We buy for cash. We get the lowest possible prices. We assemble assortments that offer you a variety of choice not found in ordinary stores.

But we do more than buy in quantity. First of all, we make sure of what is back of the price. We demand that quality be right.

We never sacrifice quality to make a low price.

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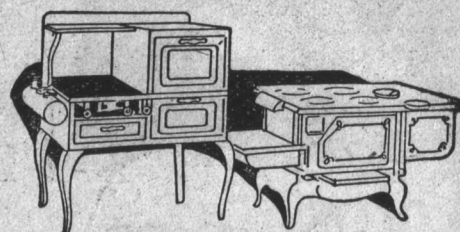
We keep our stock moving. Orders are shipped within twenty-four hours after they are received.

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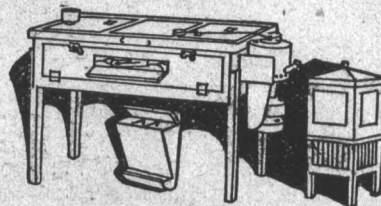
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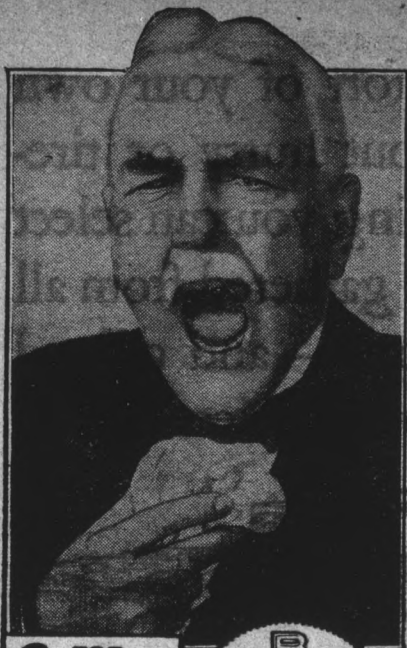
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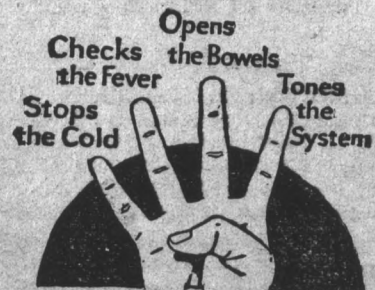
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"Seventeen Is Grown Up"

A Frontier Story in the Days Before the Revolution

By A. E. DEWAR

SUMMARY OF STORY

DUNCAN McAfee, an orphan, from Bethlehem, Pennsylvania, going on seventeen, is going to North Carolina to live with his uncle. Traveling by wagon train, encountering all sorts of dangers, he has a real thrilling trip, and proves that "seventeen is grown up" by saving a fair young lady from bandits who attack the train, killing most of the people and carrying her off into the woods. The journey from Bethlehem to Fredericktown was uneventful but a little beyond the latter place they are joined by the Sawyers, a girl about Duncan's age and her father. While camped one night a bedraggled stranger comes into camp, begs a meal and tells of being attacked by Indians. After that Duncan mounts guard but one night he falls asleep only to be awakened by the noise of attacking raiders who shoot some of the men, take their money, horses and other belongings of value, and make their escape, carrying the Sawyer girl away with them as a prisoner. Duncan is determined to rescue the girl. He follows at a distance for a time but later joins the robbers without creating much suspicion. Appearing to be homeless and friendless they give him a job as cook's helper. The leader leaves camp for a few days and Duncan plans to escape with the girl before he returns.—Editor.

(Continued from December 17th issue)

"THIS was the way we came," she cried. "We're clear beyond the camp on the other side."

They rode on very slowly, stopping every few minutes to listen. A patrol might be ahead of them, might be behind—a faint chance existed that all the searchers had gone east. This last, Duncan doubted, but hope still hung in his mind.

From ahead came the sound of a man's voice. They halted. Now hoof beats were very clear. A party was coming toward them.

Duncan dismounted. "Back among the trees," he ordered. "And keep your hand on the horse's muzzle. He'll whinny."

They took a post a bare twenty yards away. Almost noiselessly five shadows drifted down the trail, horses and riders. One mount stumbled and his rider swore as he passed opposite them. There was no other sound.

The five had passed. There had passed too, the faint whispering of their going among the boughs that crowded close to the trail. Duncan breathed deeply; he suddenly felt weak and light headed; the danger was over. The road to the settlement was clear. This patrol, sent out at random, had found nothing. There would be no pursuit.

He said as much to the girl. She said nothing for a moment, but stared into the darkness.

"Not safe yet," she said, finally. "Never never—"

Duncan did not know what she meant, but agreed moodily that there was no safety, no real safety, anywhere on the frontier. A man had to go hiding from tree to tree like an Indian. He paused to think that he would have reckoned this a merit only a few days before.

"No place to bring up a family," he said aloud, in an echo of campfire talks he had heard. Then he blushed deeply in the dark.

It was time to be starting, he suggested. She agreed, and mounted. They went on the trail again.

"We were going to Hillsboro," she said to herself in a whisper as they rode. "Land was cheap there, he heard, and no Indian troubles. We thought—"

Her voice trailed off into silence. Duncan knew she was thinking of her father. Strangely enough, his first feeling was of irritation. Why didn't she think of him, who had got her out of this trouble? There were few men—so he classed himself—who could have accomplished it.

This mood passed. She had no one now; no one but him. He was glad for himself, and a little frightened. But it made her sorrow more real, since she was now a part of him and her sorrows also. This came to him, though he did not reason it out. He put out a hand, found one of hers on the saddle horn, and patted it gently.

They went on in silence in the dark. It was ticklish going for a while, but presently the clouds blew away and the starlight helped show them the trail and kept the horses from stumbling. They were even open stretches where they could go at a trot, and once after a long period of walking, Duncan risked the horses at an easy gallop for a mile. They picked up their own trail, and only hoped that it would lead to the settlement.

It was toward morning when a dog barked by the roadside and they made out a blur of a house back in the trees. Duncan would have stopped, but the girl forbade.

"They'll find us," she urged. "We want more people around." This fitted in well enough with Duncan's plans. He had conceived the notion of helping to get a posse together and leading it back to wipe out the outlaw band.

They came into an open space, with a dozen cabins scattered about. There was no sound at first, but the murmur of water from a stream nearby. Then a dog barked, and was echoed by a score more. Duncan rode up to the largest cabin and gave a halloo.

There were movements within. A window creaked open. Duncan could not see the head that the knew was peering out.

"Who are ye and what do ye want?" asked a voice suddenly.

"Food and a bed and a fire," said Duncan shortly. "We've been riding all night."

This was chewed over in silence for a moment. The voice spoke again. "Stand out where I can see you," it ordered.

Duncan hardly knew whether to cry or to drag out his pistol. He had thought it would be easier than this. When they saw the hamlet, it seemed that their troubles were over. How long must they argue with this fool?

He dismounted and helped the girl. Her legs gave way as she tried to stand, so that he had to hold her for a moment. Then she took hold of the saddle horn and vowed she was well enough. He left her there and unsaddled and unbridled the other horse. By the time he was turned loose, Agnes had managed to walk to the stoop of the house and sit down. In silence, Duncan looked after her mount.

The voice spoke again:

"Is it a lass with you?"

Duncan said it was.

"And what might her name be?"

"Sawyer."

There was a prolonged gasp and some profanity from the window.

"Then you're the boy, maybe?"

Duncan's control broke down at that.

"You born idiot!" he cried. "Will you ask questions all night? Let us in and get your wife out to take care of this girl. She's near dead."

"I'll be out at once," said the householder, apparently without malice, and added in a tone of pure wonder, "To think of it!—to think of it!"

Half an hour after, the two were seated at a table in the tavern kitchen, with plenty of hot drink and food before them. A fire blazed in the next room, the wife of the innkeeper was clearing away a sleeping place for them. The could hear her moving about.

The tavern keeper had heard of them. The Moravians and the Orchards had passed through there, all bundled up in one wagon, hauled by a poor yoke of oxen. Sawyer had been buried where he fell. The report of the banditry had aroused some indignation, especially in the innkeeper, who missed the traffic they scared away. But no one had ventured a blind search for the lost girl. Duncan, of course, no one worried about.

As soon as they got the story out of them, the innkeeper was off to rout out enough rifles to take the back trail to the bandits' camp. He reckoned on more than good-will to aid him here. There was a chance of rich plunder. Then, all of them suffered some depredations from thieves: that irritation would find an outlet against this particular band.

Duncan was very sleepy. He sipped the hot drink that had been placed before him. The stew he nibbled at gingerly. He was too tired to be hungry. In his sudden weariness, the weight of the pistol in his belt seemed a burden. He placed it on the table.

He leaned forward drowsily, with his elbows on the table. The girl, more tired than he, had given up eating more quickly. She had nodded for a moment, and then frankly pushed the dishes aside and put her head down on the table. Through the mists of sleep, she looked up at him and smiled faintly. Then her eyes closed.

To Duncan, after the days the two had been through, that moment seemed happy and peaceful beyond all others in his life. The dark kitchen, with the firelight flickering on the rafters and the strings of dried herbs, the wide hearth with the iron kettle swung over the fire, the shadowy, comfortable depths of the room, where benches and tables showed dimly in the dark, all created an atmosphere of rest and quiet. That impression ached in a focus on the girl opposite him. He watched her quiet face with a strange delight. How tired she was, the dark circles under her eyes, the drawn face, the cheeks that were gray now instead of red.

"I will make it up to her," he murmured to himself, as if he had been the cause of her exhaustion.

Her eyelids flickered in the candle light. Duncan put the candle out and let the firelight serve. The girl's left hand was lying loosely on the table, palm down. Duncan clasped his over it; it turned slowly and clasped his. The boy took a deep breath and leaned over and kissed her cheek.

Shaken and surprised at his emotion, he got up quickly. The girl still slept. Duncan walked to the window and looked out. A light had come out in a cabin a few rods away; he could hear the voices. Save for that, the hamlet seemed as quiet as when he first entered it. In spite of the sleeping men and women in the nearby cabins, Duncan had for a moment a sense of complete isolation. The feeling was less than pleasant. He wanted the feeling of friendly bodies around him, hands to grip, voices that would reassure him. He began to wish that the inn-keeper, now vanished entirely within a house across the way, would come back and make the room less lonely, the shadows less ominous.

Some odd sense of discomfort, of danger, made him turn. The door had swung open; there was a man standing there. The newcomer did not move or speak, and in that quietness there seemed something uncanny.

Duncan tried to be sensible.

"Are you," he began; then his voice died away. The fire had flared up to show the man's face. It was Locke, and the pistol he carried was leveled at Duncan's breast.

"I guessed right, I see," said the bandit quietly. "This business will soon be over. You are to be killed first, of course. I regret that it can't be done more deliberately. A bullet is so quickly. And the girl goes back, though I doubt if she is worth having if you have been fooling around with her so long."

Duncan still stared. How could this be true? They were safe, the hamlet was arming to help them. It couldn't be. Yet the black figure was too real. The firelight cast a red glint on the pistol barrel. Locke began to speak again.

"You fooled me: I credit you that. If it had been anything else, I should say, 'Well done,' and take you back to serve with me. But not in this case."

Duncan's mind still essayed to grapple with the man's presence. How had Locke come there? Shrewd as a fox, he had ridden in unmolested, unseen, since the inn-keeper had just begun his rounds.

Locke was speaking again.

"Well, mistress, are you ready?"

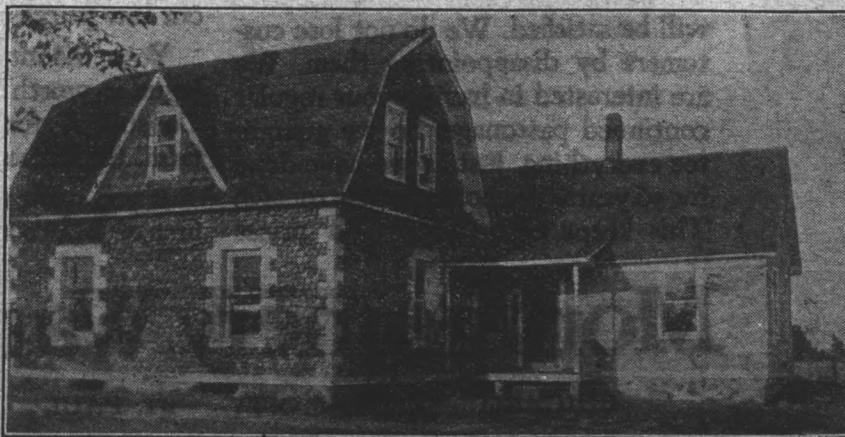
Duncan switched his fascinated eyes from the pistol barrel. The girl had jerked erect suddenly. Her sleepy eyes started at the two. Then she leaped up. "Scream and I shoot him," Locke cautioned.

She looked at Duncan and sank down again. The bandit laughed.

(Continued in January 17th issue)

Where Our Readers Live

Haven't you a picture of your home or farm buildings that we can print under this heading? Show the other members of The Business Farmer's large family where you live. Kodak pictures are all right if the details show up well. Do not send us the negatives, just a good print.



Home of Mr. Paul Adolph on his farm, known as "Beach Ridge Farm," in Saint Clair county. Mr. Adolph built the house.

What the Neighbors Say

HELP RAISE REWARDS

DEAR EDITOR: I am sending \$1 for three years renewal to M. B. F. I would not like to be without your paper and am ready to boost it at every opportunity.

I think if every one of the subscribers would pay \$1 each for reward money which would make about \$90,000, then raise the rewards it would get the thieves on a bigger run.—C. Spaulding, Newago County.

TAX OLD MAIDS TOO

DEAR EDITOR: I think F. L. G. of Alma doesn't have quite the right idea in regards to taxing bachelors. If he was a married man with a family of five or six children, the children would draw an average of \$15 per child primary money and thus help the schools. To say nothing of the milk, butter and potatoes they would consume, in this way raising the price of these commodities.

Furthermore, why not tax the old maids, too? Don't they help "burn up the road" while not contributing one cent for gas tax, unless they own a car themselves. They don't pay any tax for tobacco. So why not tax them?—One Who Believes in Fairness.

DOES IT PAY?

DEAR EDITOR: In response to your inquiry in the November 5th M. B. F. regarding the cost of protecting the black bear in Michigan I submit the following:

Does it pay? Decidedly not! You state that during the first three months the State paid damages to the amount of \$2,297. By the end of the year at this rate the cost would amount to \$9,200. This would of course be but a minor part of the real cost. Only a few of those who suffered harm would report for damages. The lesser mischiefs which would not repay the trouble would aggregate as much as the few major depredations reported. Much of the loss could not be actually proven hence would not be paid nor even calculated. Suppose we double the above amount and say \$18,000. Eighteen thousand dollars added—added mind you, not stricken from, the tax roll. And for what?

Why simply that a few "sports" from the cities may stroll out into the country and exhibit their great prowess by wantonly taking the lives of these defensible denizens of the forest.

So much for the "gentleman hunter." Few however stop there, but go "farther or farthest." Trespassing, tramping down crops, breaking or cutting down fences, destroying property, endangering life of not only the stock but of even the people. Many reports of injury have been made this fall. Even here in this thickly settled country I have several times this fall heard balls whistle over my head while choring about my buildings in the presence of my stock and my children.

Next as a point of law let us ask whose bears are these? We will answer it by a parable. "Is that your dog?" asked the supervisor. "No, sir," I respond. "Didn't I hear you say you fed it?" "Why, yes; you see I can't see even a tramp dog suffer from hunger." "Then the law considers it yours. Six dollars, please." I have to pay it.

How about the bear raised in my swamp and fed upon my crops and animals. That's not mine. I have no right to it—must get a license to shoot my own bear on my own premises. The ones who shoot it are much more able than I to feed it and have not suffered from its depredations. Talk about helping the poor farmer. The best help is to just keep hands off and let him run his own premises.

What right has the Government (the people) to say to us, you shall raise the animals which we see fit to turn loose upon your farm, a farm which their own contract, the deed, says belongs to us and to our heirs forever. Raise them upon your crops; but if you shoot one, to prison you go. "Consistency, thou art a jewel."

How about the constitutional pro—
(Continued on Page 19)

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(If there is any questions regarding religious matters you would like answered write to Rev. Warner and he will be pleased to serve you without charge. A personal reply will be sent to you if you are a paid-up subscriber.)

TEXT: "But now we have been discharged from the law, * * * so that we serve in newness of spirit and not in oldness of the letter." Romans 7:6.

HE is one of those fly-by-night evangelists. He pitched his tent in a populous community and announced a campaign of old time religion. Of course, folks filled the tabernacle. They liked to join in singing, "We want to go to heaven to hear old Jordan roll;" and they enjoyed having the preacher put some folks in a hell of literal fire, while the faithful were promised streets of pure gold. Night after night the crowds came, for, they said, "Our spiritual hunger is being satisfied." What strange appetites!

But if this new year needs one thing more than another, it is the old time religion. While a verbal faith abounds; static churches, race hatred and economic greed do much more abound. Let us have a spiritual quickener for our souls; even a sane and certified religion. After all, what about the faith of our fathers? Perhaps we shall find in our text a transcript of religious conviction which we much need in these new times. Let us see.

"But now we have been discharged from the law." These ancient words were coined in the mint of personal experience. The apostle was right when he said, "I know Whom I have believed." He had met Christ and got his discharge. And so far as the writer can understand, every person's faith is certified only through personal experience. Law or dogma proves nothing in the realm of the spirit. Only the personal equation can demonstrate Christianity. Said Metchnikov, the great French scientist, to Dr. Sadler, "How can you, having a scientific mind, believe in Christ?" "I have met Him," said the doctor. Our text pays tribute to the Man who claimed primacy in the apostle's life, and received it. From this day on Jesus was taken seriously. "Christ liveth in me," said Paul. And he asserted to others that he was in travail until Christ was formed in them. This is social passion. Now, however fond we may be to literally speculate about heaven or hell, it is tremendously important that we meet Jesus Christ, exalt His personality in our lives, and apply His Gospel to a sick world. We are glad to believe that at the portal of this new year we are restoring some such old time emphasis in our religion.

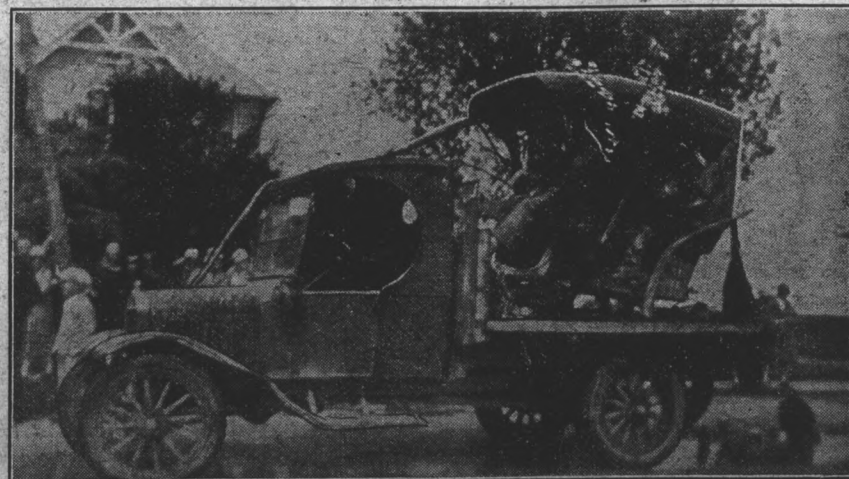
When Jesus is at the soul's center, His spirit will adapt itself to the solution of all the problems of our experience throughout the year. We are no longer gallingly held to an inefficient religion established in forms and ceremonies. Paul's conversion experience, that is, his personal incarnation of Christ, revealed the

tion of a literalistic religion. What has been your experience? Has Christ been revealed in you?

"Now * * * we serve in newness of spirit and not in oldness of the letter." But this religion is so old that it had its beginnings in the teachings of the prophets. In those days Zion was stretched out on beds of ivory and "not grieved for the affliction" of the people. Grafting preachers were building costly temples and promoting a religion of lifeless forms. Church and civil leaders had become so defiled that the soul of old farmer Amos leaped to its feet to pronounce God's doom upon the nation. Religion was stately in ritual but it failed to visit the fatherless and the widows and to keep unspotted from the world. It vowed no social responsibility. No wonder Micah counters with, "What does Jehovah require of thee but to do justly, love kindness, and walk humbly with thy God?" This is the old time religion of the spirit which was revived in John the Baptist, fulfilled in the social passion of Christ, and in like passion only is conferred upon us.

Resolved that we test this primitive religion during this new year. We enter this twelve-month rather faulty, we yet serve much in "oldness of the letter," and seem to care most to save our forms and ceremonies. But can we not see that a creed-hobbled religion is not saving a sin-scourged world? "Well," says a voice, "isn't our Christianity becoming more popular every year? If so why modify it?" Even so. A preacher-friend went to a Brooklyn pulpit at ten thousand dollars a year. Christianity is popular with him. A business friend has been an official churchman for years. It is a good and popular investment. It cloaks his legal stealing. Mr. Blank keeps millinered up in pious togs while he promotes a religion that ostracizes millions of the followers of Jesus. Yes, Christianity is popular with her vested interests, costly churches, and fashionable congregations; but what of social challenge, suffering, and sacrifice? God, give us a new orthodoxy! What of the old time meaning of the Cross? Admitted that the new year should demand better farm markets, equalized taxes, and freer rural opportunities; but is anything more imperative than a religion that can purify our homes, spiritualize our churches, cleanse our politics, rebuke business dishonesty, and save us from hellish wars?

But we enter the new year with a new ardor and a fresh hope. The inquiries that come to the writer's desk indicate that religion is being baptized in a "newness of spirit." We are less dogmatic than in yesteryear. We travel less easily in the ruts of theology. A remote God with His imputed salvation is losing out. We



HERE COMES THE BRIDE AND GROOM!

Miss Annie Smith, of Isabella county, sends us this picture of a conveyance that transported a bridal couple, Mr. and Mrs. Isadore Schafer, from church to the bride's home. Traveling right in style we would say.

are beginning to believe that God is near us and in us in the spirit of love and light, that He is a Loving Heavenly Father and strengthens our souls in all the challenging responsibilities of life, and that we have a Bible of spiritual freedom rather than of literal fixedness. But this is the faith of our fathers. No, not of our grandfathers. And it is a world-saving faith. Charles Elwood asks,

One of the wonderful features of our Business Farmer is that every paper has a portion of it given to God's word. I give praise to any paper doing the same.—O. M., Mancelona, Mich.

"Can the Christian church furnish again, as it did of old, the saints and the martyrs needed to redeem the world?" It surely can. And it will when it recovers the spiritual Christ in its worship and its work. Jesus does not ignore sacramental religion altogether, but he makes the letter of it new through translating it into an inward and vital thing. This is the old time religion that used to comfort the souls of men and face difficulty, oppression and death for humanity's sake. And it will again. God breathe in our feeble souls in this new year!

Visited by Thieves

Lost 200 Bushels of Apples.—During the middle of December thieves broke into a storage house in Gan- ges, Allegan county, belonging to Dr. E. T. Brunson, and stole 200 bushels of apples. Loss was estimated at \$200 and there were no clues as to who might have done it.

Horse Comes Back.—It isn't very often that folks get back anything that thieves take but Don Best from near Buchanan, Berrien county, was very fortunate. He had a horse stolen from his barn that later wandered into the yard of a neighbor. Clues indicated that the thieves loaded the horse onto a truck and started away with it but after going some distance got cold feet and let it go.

Put Behind Bars.—Three officials of the Genesee county sheriff's department, Deputies Bessenger, Kelley and VanAuken, are to be congratulated for their fine work in recently catching three thieves who have been doing a wholesale business stealing chickens in Genesee and Saginaw counties. And a nice thing about the whole case was the fact that the judge realized the seriousness of the situation and gave the thieves real stiff sentences in State prisons.

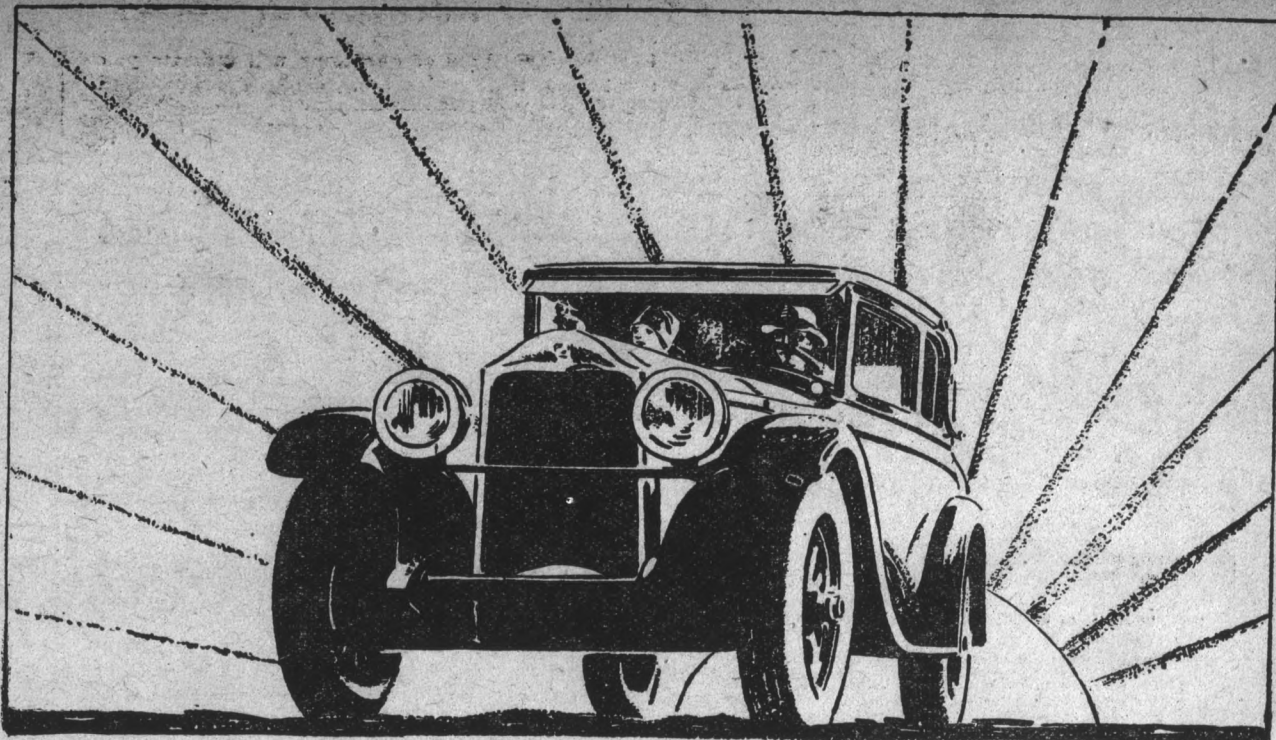
Loses 400 Bushels of Oats.—Harry Thomas, of Lincoln Lake, Kent county, lost 400 bushels of oats not long ago. Returning to the farm after several days absence he found his barn had been broken into and the grain gone. He offered a reward for the thieves.

Steals Truck to Haul Chickens.—Not only did thieves visit the chicken coop of Elmer Reese, of Macomb, Macomb county, but they also stole his truck to carry away their chickens. Forty Rhode Island Reds were taken.

Catch Hog Thieves.—Bert Hunter, from near Mount Pleasant, Isabella county, discovered thieves had visited his pig pen. Clues revealed that the pig had been driven from the pen across a field and killed before it was loaded into a car. Following the car tracks the thieves were finally caught near Lansing.

30 Chickens Gone.—While the family slept thieves entered the chicken coop at the home of Frank King, near Benton Harbor, and carried off 30 chickens and five turkeys, a few days before Christmas.

Please tell me what time my BUSINESS FARMER expires as I don't want it to stop as there are so many good things in it.—B. C. Snyder, Isabella County.



The 2 Millionth Buick joins its brothers on the road

A few weeks ago, Buick manufactured the two millionth Buick and thereby established the most spectacular production record in fine car history.

Attainment of the two million mark is a noteworthy accomplishment in any motor car field; but it assumes epic proportions when considered in terms of a car of Buick caliber.

Give thought, for a moment, to the deeper, more significant phases of this Buick achievement:

The world's purchase of two million Buicks represents a world tribute to Buick quality of almost three billion dollars.

Motorists purchased the first million in twenty years, and the second million in four years—proof of Buick's steadily increasing popularity.

The two million Buicks have proved Buick dependability by traveling scores of billions of miles—

four million times the distance around the world.

And, after twenty-four years, approximately 1,600,000 of the two million Buicks are still serving their owners!

These facts constitute a record of popularity, reliability and stamina not even remotely approached by any other car—a record that becomes still more impressive with each new Buick that goes forth upon the highways of the world.

Supreme value—overwhelming demand—then still greater value and still greater demand—have formed the wonder-working formula of Buick progress. And this progress still continues.

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New York, N. Y., November 29, 1927.
The Board of Directors have declared a regular quarterly dividend of one and three-quarters per cent (1 3/4%) on the Cumulative 7% Preferred Stock of this Company, and a regular quarterly dividend of one and one-half per cent (1 1/2%) on the Cumulative 6% Preferred Stock of this Company, for the current quarter, payable January 16th, 1928, to holders of record at the close of business—December 29th, 1927. Checks will be mailed. Transfer books will not close.
OWEN SHEPHERD, Vice-President & Treasurer.

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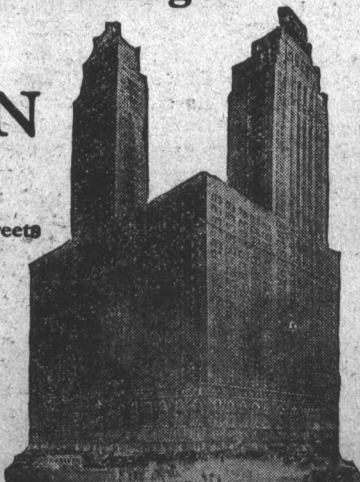
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The Michigan BUSINESS FARMER

Title Registered U. S. Patent Office

SATURDAY, JANUARY 7, 1928

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RELIABLE ADVERTISERS

We will not knowingly accept the advertising of any person or firm who we do not believe to be thoroughly honest and reliable. Should any reader have any cause for complaint against any advertiser in these columns the publisher would appreciate an immediate letter bringing all facts to light. In every case when writing say: "I saw your advertisement in The Michigan Business Farmer!" It will guarantee honest dealing.

"The Farm Paper of Service"

LET'S DRIVE OUT THE THIEF!

"The Farm Thief Must Go." That is the heading on the article that appears on page four of this issue—and we mean it. He is taking over a million dollars out of the pockets of the farmers of Michigan every year. This can not continue.

Nearly a year and a half ago we started our campaign against thievery and to date we have spent around \$2,500. Much has been accomplished but there remains much more to do before rural thieves learn that Michigan is a State to avoid. No one group or organization can drive them out. The farmers, officials and ourselves must work together to do this.

We are doing our part in every way that we possibly can. Officials can do their part by catching the thieves and then putting them behind prison bars. Some officers have done very effective work along these lines. Farmers are in position to do more than anyone else, and our article on page four tells what and how they can do it. More articles on this subject will appear in future issues.

We are out to put the farm thief in the right coop or make him get out of Michigan. Are you with us?

ANOTHER NEW FEATURE

THE BUSINESS FARMER is being built on the foundation of Service—Service to its readers—and its rapid and steady growth indicates that it is being built well. We folks here at the home office cannot claim all of the credit. Neither can the farmers who have supported it by becoming subscribers. But all of us, you folks and us, working in unison, have brought about this solid growth.

We have served you by answering your questions and publishing a farm paper containing such features as we believe you like. You, in turn, have served us by supporting our work through subscriptions to M. B. F. and letters to us voicing your approval or criticism of the contents of **THE BUSINESS FARMER**. We appreciate the subscriptions and letters; let's have more of them.

And now we are adding a new service or feature for your approval or rejection. This feature, to be known as "Chatting with the Agricultural Teacher," is probably entirely different than any that appears in other farm papers in the United States, and we predict that it will be as popular as any other department in M. B. F. Mr. V. O. Braun, agricultural teacher in a large high school in Shiawassee county and owner and operator of a 160-acre farm in Branch county, is editor of the new department. We want you to become real well acquainted with him and the best way you can do this is by reading his department and then writing in some questions for him to answer. He will be pleased to have you do both and will answer the questions by first class mail.

Remember, folks, this new service is "on trial,"

and it will be up to you to say whether or not it is to stay. Lots of questions will indicate you are finding it of real value.

MEXICAN POLICY

THE most encouraging reports continue to come out of Mexico. When we were there in the spring of 1927, the strained condition of government policies on both sides of the border were apparent. From the time Ambassador Morrow reached his post in September, however, until Colonel Lindbergh's silver "Spirit of St. Louis" landed like a dove of peace on the flying field at Mexico City, there has been a feeling of better understanding growing between the two governments and their peoples. Only this week came the report that the oil question, one of the three bones of contention raised by the Calles government had been favorably adjusted in accordance with the decision of the Mexican supreme court.

Fortunately for these two great neighboring republics which should be friends, both President Coolidge and President Calles, have adopted a spirit of cordiality which helps to smooth out the wrinkles of injured pride and aloofness, which have prevented amicable adjustments of minor problems in the past.

Mexico can be made as good a friend and neighbor as Canada, and it begins to look as if we were headed that way.

CAN NOT AGREE

"FARM BLOC Fails to Agree on Plan." Thus reads a headline in the daily press regarding farm legislation which is to come before the present Congress. If the agricultural leaders can not agree on any certain bill how can Congress be expected to do anything for the farmer? What other interests get what they want from Congress without presenting a united front? Looks like farm bloc leaders were doing more to defeat farm legislation than anyone else.

TREAT IN STORE FOR YOU

DO you remember the Muirs and Doug Summers of "Homestead Country," one of the most interesting stories we ever published? It appeared in our columns a little over a year ago. Those of you who do remember them will be interested to know that we have secured another story about them and it will follow "Seventeen Is Grown Up" which will end in our next issue. To those of you who did not read about these folks we want to say that you have a real treat in store in "Catapult." Do not miss the opening chapters.

THIEVES SHOT FARMER

AS you will read on page three, John McNally, Bay county farmer, lays in the hospital recovering from wounds caused by bullets fired at him when he tried to prevent three men from stealing his property. If McNally had been armed perhaps there would be a different story to tell.

FARMER IN THE SWIM

ACCORDING to Forbes Magazine, to whom we are indebted for the picture appearing on the front cover of this issue, the farmer is in the swim now, along with labor and the manufacturer who have been enjoying themselves while he stood on the bank. We too believe that the farmer has entered the water but hardly think it was by the way of the springboard. He is wading in and has quite a ways to go before he gets into deep water. But we can be thankful that he is headed in the right direction and we hope it will not be long until he is in all over.

WHAT WE DID IN 1927

ELSEWHERE in this issue there appears a summary of what we did during the year just past. We thought we did considerable but failed to realize just how much until we got it all together in condensed form. It surprised us. Maybe it will you, too.

CHICKEN THIEF REWARDS OF \$50
EACH M. B. F. HAS PAID

- 1.—Frank Watkins, Holly, Mich.
- 2.—Walter Arnold, Oakland County Deputy.
John W. Copp, Oakland County Deputy.
- 3.—Amos Jury, Ashley, Mich.
- 4.—Wayne DeBree, Greenville, Mich.
- 5.—Alton Hall, Charlotte, Mich.
- 6.—Alex MacDonald, Houghton Lake, Mich.
- 7.—A. R. Geddes, Saginaw County Officer.



AT last I've got a plan to stop the motorist and sell him pop and sandwiches and berry pie, no more they'll go a-sailin' by. It takes a feller that is wise to make 'em stop and patronize Mirandy's stand, but now, by gum, we've got 'em lined up as they come. Mirandy can't bake pies enough, she's most sold out of all her stuff, the customer's have come so fast no wonder that her grub don't last, no ones goes sailin' past no more, they stop and patronize our store.

I painted up a sign that said, "Bridge Out. Unsafe To Go Ahead." The folks that used to pass us up are stoppin' now to dine or sup, the cars are thick around our stand, a-buyin' stuff to beat the band. It takes a shrewd, resourceful man to figure out a clever plan to make folks stop awhile and buy, Mirandy sure is lucky, why, some men would give up right away, but I've got schemes and make 'em pay. When them there folks has et their fill, and after they have paid their bill, I tell 'em we enjoyed their call and that the bridge ain't out at all. They laugh as they bid me good-bye, and say, "Your wife makes blamed good pie."

• PETER PLOW'S PHILOSOPHY •

How styles do change. I always thought we were supposed to recognize folks by their faces, but pictures we see in the papers indicate that legs is goin' to be the future means of identification.

I saw an ad in the paper about the new flivver and in a couple of pictures which this ad contained there was a uniformed chauffeur. That's just about like givin' a quarter tip on a fifteen-cent lunch.

Now that Christmas is over the family is through worryin' and I'm just startin'. But once I get the presents paid for and the taxes taken care of I can smile again.

I hope it don't become regular practice for political candidates to broadcast all their speeches. Already we got too much static.

I was readin' in the paper 'bout a hen in Massachusetts that lays eggs almost square and instead of bein' smooth they are rough with heavy lines resemblin' corrugated paper. They better watch out or she'll be layin' card board egg crates the first thing they know.

Ever hear this one? George, a southern ducky, moved to a northern city and decided to change his bank account also. He wrote a check on his money in the home town negro bank and deposited it in a bank in the town where he lived. Within a week the check came back marked "No funds." The banker got ahold of George and was assured that he positively had money in that bank. Then the northern banker wrote a strong letter to the negro bank. A few days later he received the following reply: "When we all sen's back a check marked 'No fun's' we don't mean the customer ain't got no fun's, we mean we ain't got no fun's. We is temporarily busted."

• COMING EVENTS •

Jan. 30-Feb. 3.—Farmers' Week, M. S. C., East Lansing, Mich.
Feb. 6-11.—Short Course, Fruit Growers, M. S. C., East Lansing, Mich.
Feb. 6-11.—Short Course, Market Gardeners, M. S. C., East Lansing, Mich.

"The Business Farmer" is more than a periodical It is an Institution of Service!

The Publisher's Desk

(We are always glad to do all we can to protect our subscribers from fraudulent deals or unfair treatment from concerns at a distance. We advise on stocks and bonds, and investigate different concerns for our subscribers. This service, including a personal letter, is free when subscription is paid in advance.)

CLIPPING NEWSPAPERS

APPARENTLY the clipping bureau idea is a very profitable one—for some folks—from the number going into the business. The latest to come to our attention are: Acme Addressing Co., Greenfield and Hillsboro, Ohio; Kalman Co., Brooklyn, N. Y.; Superior Service, Marshall, Ill.; Gillies Mailing Service, Sydney, Nova Scotia; North Shore Service, Rochester, N. Y.; Manufacturers Outlet of America, Birmingham, Ala.; Hugh Faulkner Mailing Service, Atlanta, Ga.; Modern Business Bureau, New York City.

Some of them have rather high sounding names but the scheme they are working is no different than the one being promoted by others. They want you to send them a dollar for a letter of instructions on how to clip personal news items from various newspapers and send postal cards to the people mentioned suggesting that you have an item which will interest them and you will forward it for twenty-five cents.

As the office boy says, "It's bologna, and any way you want to cut it it's still bologna."

Such schemes will continue to flourish only as long as the public continues to "fall" for them.

BEAGLE HOUND STOLEN

ARTHUR SOULE, Route 2, Romeo, reports that he has had a valuable beagle hound stolen. The hound answers to the name of "Sam," is three years old; and brown, black and white in color. Anyone finding the dog, please get in touch with Mr. Soule, or with the Editor of M. B. F.

FAKES TELEGRAMS

HERE is something new in faking. During the week before Christmas more than 1,000 collect counterfeit telegrams were delivered in the city of New Rochelle, New York, by an impersonator of a Western Union employee. Many of the messages were signed "Santa Claus."

FARM PRODUCE AT BARGAIN PRICES

WE are advised by the National Better Business Bureau of a clever swindle by an itinerant operator who has operated under the names of George Beach, Harry Labarre, Charles Lynn, E. G. Williams, John Burns, George Webber, and perhaps several others that are unknown to the officials. The success of his scheme depends on classified advertisements in various publications. His scheme is simple and profitable to him. He has a classified advertisement inserted in a newspaper or magazine offering farm produce at bargain prices, with cash in advance. Of course, he picks papers in sections where there is a scarcity of the produce he advertises. After placing the ad he rents a post office box to which the mail is directed. He collects his mail once or twice a day, keeping under cover as much as possible, and before there is any chance for someone to get very suspicious he moves on. He has advertised apples, peaches, other fruits, nuts, turkey eggs, maple syrup and honey,

but, according to reports, there is no record of his ever filling any of the orders he received.

Beach has been described by several persons as being of medium height, between 35 and 40 years of age, is smooth shaven, has brown hair and eyes, and moderately well dressed.

DR. COFFEE AND HEAD NOISES

I am writing you about Dr. N. O. Coffee, of Davenport, Iowa, who claims he cures head noises and deafness through the mail. He keeps writing me and sending testimonials, but there is no full name and address furnished so that anyone can write to them. He says most people do not like to be troubled by correspondence. When I told him that I had written to the Cass Laboratories in Chicago and they advised me that catarrh and head noises could not be successfully treated by mail and that I had better consult a local physician, he replied that he did not like to have patients call in person at his office as he was getting well up in years. At first he wanted \$10 a month for treating me; I don't remember what his last price was, but it was a whole lot lower.

Now, I want treatment for my head, but I don't like to spend my money where I don't get any good from it. I also notice that he does not run an ad in your paper. I would appreciate having your opinion about this man and whether I would be safe in doctoring with him. —B. L. Benzonia, Mich.

IN response to your query regarding "Dr. N. O. Coffee" and his ability to cure head noises and deafness, we do not believe that any bodily ailment or disease can be cured by mail. The best physicians absolutely refuse to give advice by letter in cases with which they are not personally familiar, not because they dislike to give free information but due to the fact that such advice cannot be reliable and the following of it might cause disastrous effects.

A physical examination is essential before anything like reliable treatment can be instituted. There is more than one kind of deafness, and the nature of the particular deafness from which you are suffering can only be determined by examination. If you are in need of immediate care, it would be a saving of money in the long run for you to consult an ear specialist in some hospital clinic near you, or, if you could come so far, the University Hospital at Ann Arbor would be an excellent place for you to go. The rates are not expensive, and although the initial expense may seem large it does not amount to so much in the end as it would if you paid five dollars now to this doctor and then ten dollars to that without obtaining any relief.

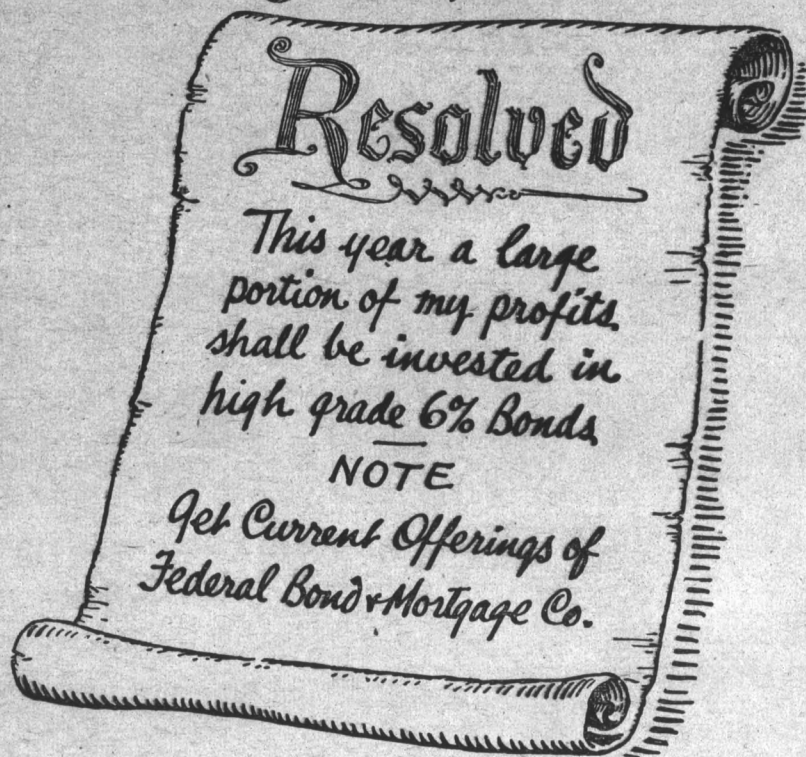
"EYE DOCTOR" TO FACE MUSIC IN ILLINOIS

IN our last issue we stated that Michigan officials had located "Dr. Anderson," alias Fred Asher, of Chicago, the "eye doctor" who swindled folks in Eaton and Ionia counties last summer. The "doctor" was located in Waterloo, Illinois, where he ran afoul of the law for giving "treatments" to Illinois folks. Sheriff William French, of Ionia, made a trip to Illinois to try to get Gov. Small to issue extradition papers but he ruled that Asher would have to face charges there before being returned to this State. His trial is set for March.

I am writing to you to let you know I received my money from the Clear Sight Spectacle Company. It is all right now. Thank you very much, for what you have done for me. I never would have got it had not it been for you.—Mrs. J. M. T., Boyne Falls, Mich.

I have been a subscriber of M. B. F. a number of years and find it the best farm paper I have.—Geo. Humford, Huron County, Michigan.

A Good Resolution for 1928



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References: National Bank of Commerce, Detroit; Department of Insurance, Lansing; Michigan Business Farmer, Mt. Clemens, or any one who knows us.

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Ship Your Dressed
Calves and Live Poultry

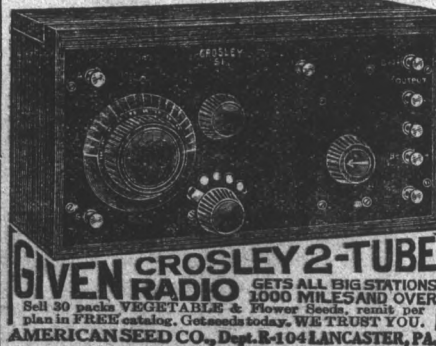
**Detroit Beef
Company**

OLDEST AND MOST RELIABLE
COMMISSION HOUSE IN DETROIT

Write for new shippers Guide
shipping tags and Quotations.

Detroit Beef Co.

1903 Adelaide St., Detroit, Mich.



The Collection Box

The purpose of this department is to protect our subscribers from fraudulent dealings or unfair treatment by persons or concerns at a distance.

In every case we will do our best to make a satisfactory settlement or force action, for which no charge for our services will ever be made, providing:

- 1.—The claim is made by a paid-up subscriber to The Business Farmer.
- 2.—The claim is not more than 6 mos. old.
- 3.—The claim is not local or between people within easy distance of one another. These should be settled at first hand and not attempted by mail.

Address all letters, giving full particulars, amounts, dates, etc., enclosing also your address label from the front cover of any issue to prove that you are a paid-up subscriber.

THE BUSINESS FARMER, Collection Box,
Mt. Clemens, Mich.

Report Ending December 30, 1927
Total Number Claims Filed.....3,109
Amount Involved.....\$33,124.57
Total Number Claims Settled.....2,593
Amount Secured.....\$30,579.27

THE ADVERTISEMENTS are your guide to good things. Whatever you need, there is an advertisement in these pages that will take you to it—just the kind you want. When writing advertisers say you saw their ad in THE BUSINESS FARMER. You'll help us and help yourself.

Our Record of Accomplishment 1927



GEORGE M. SLOCUM

Dear Friends:—

I know that you are as proud of the success of old "M. B. F." as we are—and you should be!

Some of you have been with us since the first little four page sheet, printed on pink paper, which was mailed in 1912. Many of you are new friends who are only beginning to learn what a friend you have in this publication—

—but all of you, old and new friends alike can take equal pride with us in the review of our accomplishments in 1927 and our program of progress in 1928!

For, strengthened by the experience of years! Fortified by the largest number of farm men and women ever enrolled under one banner in Michigan! Convinced that our policy of "the farmer first, always" is right! Promising to remain alert, fearless, and forever free from political or religious entanglements—

The Michigan Business Farmer stands at the threshold of a Better Year for Farmers, ready and equipped as never before, to maintain the lead you have given it as "the farm paper built on service!"

[Signature]
Publisher.

What Does T

NET PAID SUBS
on Dember

1918	1231
1919	6,17
1920	4
1922	
1925	
1926	
1927	

More t



L. W. Meeks



Herbert Nafziger



Dr. George Conn



Rev. D. V. Warner

\$1,000 For Poultry Thief Campaign

UNDOUBTEDLY the outstanding accomplishment of the year was our posting of \$1,000 to be given in \$50 rewards, for information leading to the arrest and conviction of poultry thieves. We have already paid seven rewards, each of which has entailed an investigation by an officer of this company, to prevent any misappropriation of the fund.

THE WILSON CASE

Nothing happened in 1927 which aroused the farmers of our state more than the Wilson case, already familiar to every farmer in Michigan. On November 24, 1926, L. J. Wilson of Greenville, a well known young farmer of pioneer stock, shot and killed a chicken thief. He was arrested and brought to trial on a charge of manslaughter.

We immediately got behind Mr. Wilson, realizing that this case would forever establish a precedent, as to whether or not the farmer has a right to protect his property. We circulated in our columns, a petition protesting Mr. Wilson's arrest and requesting the dismissal of his case. Later on we published a special eight-page "Extra" edition of THE BUSINESS FARMER, in which the petition appeared. This special edition was mailed to more than 120,000 farmers in Michigan, and 70,000 signed the Wilson petitions. We asked for contributions from farmers to meet Mr. Wilson's trial expense, and \$856.70 was raised in this manner. \$400 was paid Mr. Wilson's attorneys, the balance being used to establish the L. J. Wilson Fund to fight any similar case in the future. In all, more than \$2,100 was spent on the Wilson case, in attorney's fees, publishing the special edition. Under our guidance the case won state-wide publicity and the verdict giving Mr. Wilson a complete acquittal, was a vindication of our efforts in his behalf.

LIVE STOCK AND PRODUCE REWARDS

While we were giving the chicken thieves a merry chase during the first six months of the current year, reports came in to us from farmers, county officials, and our own field service men, that there was much stealing of other farm produce and livestock. In July, 1927, we posted an additional \$500 to be paid in \$25 rewards, for information leading to the arrest and conviction of thieves stealing livestock or farm produce, other than poultry, just so long as it is the sole property of a subscriber of the THE MICHIGAN BUSINESS FARMER.

SPECIAL FEATURES OR THINGS WE DID

In addition to the publication itself, here are some of the activities we carried on: (1) Wilson Case; (2) Demanded State Fair Clean-up and be a farmers' fair; (3) Demanded that Agricultural College at Lansing be maintained for the purpose for which it was established; (4) Advocated 4c gas tax in lieu of annual license and weight tax; (5) fought for poultry building at State College; (6) Chicken thief laws; (7) support of Horton Trespass Law; (8) condemnation of pheasant for eating farmers' crops; (9) advocated longer seasons to hunt pheasants; (10) fought for removal of protection on bears; (11) complete report on legislature, etc., etc., etc.

ADDITIONAL SERVICE

We answered upward of ten thousand personal letters during 1927 for our readers. Our many editors were asked to answer hundreds of them in their departments and if in doubt, experts were consulted.

EXPOSING CROOKS AND FRAUDS

Through "The Publisher's Desk," and personal letters, we have exposed hundreds of individuals or schemes which were defrauding or misleading the farm people, thus saving them countless thousands of dollars.

NEW FEATURES ADDED IN 1927

New features added this past year were: "Song of the Lazy Farmer," Free Bulletin Service comprising U. S. Department of Agriculture, Michigan State College Bulletins and our own advertisers' bulletins, Farm Garden Editor, "Here's How" cartoon series.



L. N. Pritchard



C. J. Wright



W. W. Foote



Robert J. McColgan

The Collection Box

Up to and including December 30, 1927, we have handled and settled the following number of claims for our readers. In nearly every case these claims would not or could not have been settled, had not THE BUSINESS FARMER pushed the claim until a final settlement was secured:

Total Number Claims Filed.....	3,109
Amount Involved	\$33,124.87
Total Number Claims Settled.....	2,588
Amount Secured	\$30,579.27

Monies pen wards an W

Seven \$50 awards paid.....
Expenses of special investigations.....
One \$25 award paid.....
Expense of publishing extra mailing 100,000.....
Business Farmer representation expenses, Wilson case, two Greenville, investigations sending petition Report expenses.....
100,000 Poultry Hard Ship subscribers.....
Special publicity and correspondence.....
Reward campaign.....

Paid by Michigan Business I

L. J. WILSON

Contributed by our readers.....

Paid Wilson Attorney.....

Balance in Fund

TOTAL EXPENDITURES.....



Front row, left to right: E. J. Kirtley, A. J. Boulls, F. B. Davis, C. W. Church, Clyde J. Mrs. C. M. Clay, L. C. Robinett, L. F. Dunning. Middle row, left to right: H. B. Bryan, Bert E. John, Buren County; J. L. Hazledine. Back row, left to right: Homer Smith, A. Foster,

Our Field Service—

These men and women, our field agents, devote full time to calling on our more than 95,000 subscribers in Michigan. They come with a friendly handshake to let you know that THE BUSINESS FARMER is more than just paper, paste and ink! That it is a breathing, living institution into which nearly a hundred persons pour their best thought and energy, every hour of every day.

They come to your farm home, to tell you of THE BUSINESS FARMER and its many departments of service; to show you how to get the most out of it.

The Michigan BUSINESS FARMER

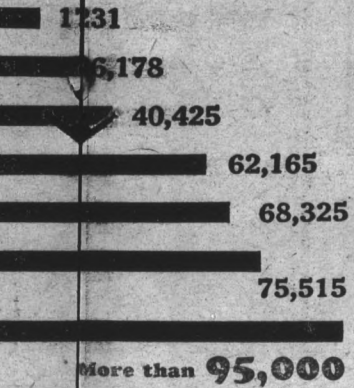
The ONLY Farm Magazine Owned

1928 Our Program of Progress

Does This Prove?

T PAID SUBSCRIBERS

on December 31st



ies spent on Re- s an Wilson Case

awards id.....	\$350.00
t spec investigation of	200.00
ard pa.....	25.00
publ ing extra edition,	1,500.00
100,000 cc.....	
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Wilson case, two trips to	
le, investigations and pro-	
petition Reporting trial	200.00
ultry Hard Signs given	
ers.....	339.00
city correspondence of	
camp.....	150.00
Michigan Business Farmer.....	\$2,764.00
L. J. WILSON FUND	
by outsiders.....	\$856.70
a Attorney.....	400.00
Fund.....	\$456.70
EXPENSES.....	\$3,104.00



Clyde Jarvis, Robert J. McColgan, Kensley Culbert, Mrs. Lee Perkins, C. J. Harris, Frank Bert, John Post, W. H. Borie, Earl White, B. J. Howe, Lee Perkins, Glenn D. Weaver, Sheriff of Van Smith, Ed Foster, Leo Pelott, Ray Culbert, Roy Baker, Charles Smith, and C. H. Merrifield.

out of your subscription than just the copies of the magazine which we mail you; to prove to you that your best and most powerful friend is this publication.

When these men and women come to call on you, give them the right hand of fellowship; tell them your problems; what you like or do not like about our paper; they call on you to serve you and that we may be better acquainted! Most of them have been with the paper a long time and are as much in love with old "M. B. F." as you and I are!

Michigan BUSINESS FARMER

and Edited Entirely in Michigan!

Dear Friends:

Although my name bears the title, it is really you who have edited The Michigan Business Farmer! I can claim but little credit for its success.

Because it is your letters and your comments to our field men and to me, which have told us what you most needed in a farm paper. It has been my work, and the work of my associates, to put together such a paper. One thing that has assisted greatly in the work has been the fact that every man and woman who writes for our columns was born on the farm, knows the farmers' problems, and is inspired by the possibility of serving our nearly one hundred thousand readers.

I am proud that I can make such a statement, and I am also proud of the fact that this publication is owned in Michigan and published solely in the interests of farmers of this State. The troubles of the farmers of Michigan are our troubles and we will fight for their rights, regardless of who may oppose us, just as long as there is an M. B. F. printed. Only the farmers themselves can dictate our policies.

Most of all, I am happy that with your unbounded support The Michigan Business Farmer enters the New Year, 1928, enabled to add new departments, engage new writers and double its promise of Service to you, who have made it all possible!

I want you to continue to tell me what you like or don't like about our paper, just as you have done in the past, and with this help nothing can retard our wonderful progress!

Milton Grinnell

Editor.



MILTON GRINNELL



V. O. Braun



Prof. J. F. Cox



Mrs. Annie Taylor



Lavinta Heminger



E. J. Pettifor

Broadening Our Campaign in 1928

ON the opposite page we have given you a summary of what we accomplished during 1927. While the record is creditable we have only made a good beginning and during 1928 we propose to "carry on" in a broader way than ever before our fight against the rural thief.

REWARDS

Our reward money will continue to be paid, in fact several cases are now under investigation and you will soon be reading in THE BUSINESS FARMER of other payments being made from our \$1,500.00 award fund. Personal investigation of all robberies will be made where case warrants.

\$100.00 REWARD FOR THREE THIEVES

So far as we know, there has not been another case similar to Mr. Wilson's, so the unused balance of the L. J. Wilson Fund has not been touched. On the night of December 20th, Mr. John McNally, a farmer living near Bay City, heard a noise around his barn and went out to see what was the matter, and as he neared the barn he was greeted by shots which all but killed him, and at this time Mr. McNally is in the Mercy Hospital at Bay City, recovering from his wounds. The thieves not being satisfied, burned Mr. McNally's barn before leaving. We immediately notified the authorities at Bay City that we were posting a \$100.00 reward for the arrest and conviction of these outlaws, this reward to come out of the L. J. Wilson Fund. We feel confident that the farmers who contributed to this fund will back us in the posting of this reward for we feel that every inducement possible should be made to bring these thieves to justice for this outrage.

A DEFINITE POLICY

We will carry out a definite program of progress this year. With the fine support you folks have given us in the past, we know this program can become a realization with which we can point to with just pride when another year rolls around. Following is a list of things we are suggesting to you which will help in a big way to make the life of rural thieves, less happy:

1. Put good locks on the doors of all buildings and either bar windows or fasten them shut.
2. Install burglar alarm.
3. Mark poultry with an identifying mark which is registered with poultry dealers and sheriffs.
4. Organize county-wide anti-thief associations.
5. Learn to shoot, and do not hesitate when necessary.
6. Enforce poultry dealers' registration law.

From another article in this issue, you will learn just how these suggestions can help you. Don't fail to read it.

REGULAR FEATURES

In addition to our regular features comprising special writers, covering every branch of agriculture with whom you can consult freely at all times, we will add from time to time new features which we feel will be valuable to our folks.

NEW FEATURE STARTING WITH THIS ISSUE

Elsewhere in this issue you will see a brand new feature, Mr. V. O. Braun's department, "Chatting With the Agricultural Teacher." Mr. Braun is thoroughly qualified to edit this department. He is an agricultural teacher in a large Shiawassee High School. He owns and operates his own 160 acre farm in Branch county, and he is a successful writer of agricultural topics. We will welcome questions from our readers in this new department. Mr. Braun, like all our other editors, is at your service.

FICTION

Immediately following our present story, "Seventeen Is Grown Up," we will start a new story entitled, "Catapult." This is another story of the Homestead Country. There is a real treat in store for you in our new story, "Catapult."



J. T. Horner



H. F. Hipkins



Howard Rather



J. E. Burnett

THE CHILDREN'S HOUR CLUB

Motto: Do Your Best
Colors: Blue and Gold

Mildred Darby, President
Thomas McCarthy, Vice-President
Uncle Ned, Secretary-Treasurer

AS a member of The Children's Hour Club I pledge myself:

To live a Christian life and keep the Ten Commandments.

To do my best in everything I do.

To be true to my country, the United States of America.

To do at least one good deed each day.

To assist the less fortunate than I.

To be considerate of others.

To be kind to people and to animals.

To become educated.

To always conduct myself in a way that is becoming to a lady or gentleman.

DEAR BOYS AND GIRLS:—Well here it is election time. Not time to elect local, State or National officers but the officers of the Children's Hour Club—which is far more important than any other election, isn't it? I thought you would agree with me.

And what officers are we to elect? Why the President and the Vice-President. There is one more officer, the Secretary-Treasurer, but Uncle Ned has that job cornered and he will not give anyone else a chance at it. Rather selfish of him, don't you think?

March forth your candidates, you say? All right, fellow voters, I can not refuse your demands. Here they are, Elsie Matzke, R. 5, Saginaw, W. M., and Eathel Fay Sharp, Akron, were the two nominated to be voted on to serve as President of our Club for the next year. For Vice-President we offer Helen B. Kinnison, Star Route, Kalkaska, and Elton Hickmott, R. 3, Box 107, Birmingham. Those of you who have read Our Page or some time will remember all of these candidates, some by letters and some by pictures, so I hope you will fill out the ballot that appears on this page and send it to me. Every voter is urged to do his or her duty.

Somebody asks if you have to have one of our pins to vote. No you do not, but if you want a pin all you have to do is accept and live up to our pledge and sent in two cents. The two cents is to be your initiation fee, and I will mail you right away a pin and a nice card on which is printed our pledge. This card you can put up in your room so that you can see it daily.

And that reminds me of a letter I received the other day. A little girl wrote in and said she had read The Children's Hour for a long time and had always wanted to write but never knew my address so finally she sent a letter in care of the Editor of M. B. F. She asked that I publish my address for the benefit of others who might be like her. I thought all of you knew how to reach me. Just address your letters, "Uncle Ned, The Business Farmer, Mt. Clemens, Mich." and I will get them alright.—UNCLE NED.

P. S.—Soon as we get this election out of the way we will have some contests. What kind do you want?

Our Boys and Girls

Dear Uncle Ned.—I have never written to you before and would like to know how to get a pin. I live in Montcalm county, Ferris township, go to Ferris center school. I walk a mile and three quarters to school every day.

I live on an eighty acre farm and my father rents one hundred and twenty acres, besides that. Daddy has a great big truck that has six wheels; four behind and two in front. He trucks potatoes to Lansing, with it.

I am eleven years old, and in the eighth grade. I have four brothers and three sisters. For a pet I have a dog. He is brown and white, and his name is Rover. I also have two cats; a black and white one, and a yellow one. In the summer time I pick berries, and in the fall I pick up potatoes.

Maybe, I am making this letter too long, but it will take Mr. Wastebasket a long time to chew it down. (Ha, ha!)

In school, we are doing grafting work, and it is lots of fun. Don't you think I am right, Uncle Ned?



Motto: DO YOUR BEST
Colors: BLUE AND GOLD

I am taking music lessons from grandmother, and I have a piece by the name of "Little Jessie's March."

Well, I don't want to crowd out all the rest of the nieces and nephews so, I will say good-bye, for this time. Your want-to-be-niece.—Mildred Johnston, R. 1, Vestaburg, Mich.

—Hello, Mildred! Mr. Wastebasket was not feeling very hungry today so your letter got by. I guess he is having an attack of indigestion caused by eating too many letters.

Dear Uncle Ned:—Thanks ever so much for the beautiful work box. It's lovely and I'm sure I shall be able to use it ever so often. Thank you, Uncle Ned.

As I've never written a letter to the Children's Hour before, although I've read it for the last five years, I suppose I shall have to describe myself. I am fifteen years old, have dark brown hair and gray eyes, and am in the eleventh grade.

Uncle Ned, have you ever been way up here in the north. There's great piles of snow everywhere and its just lovely for skiing, sleigh-riding and skating. Although it's cold, I believe winter is the best season of the year.

Well, Uncle Ned, I must close. Thanking you again for that present, I am, your want-to-be-niece, Dolores Lenz, Hubbell, Mich.

I have seen quite a bit of northern Michigan but never got into your part of the country. I know it must be wonderful and

have planned many times to get up there but every time something has happened to prevent it. But I'll get there sometime. Glad you liked the work box. I thought you would.

Dear Uncle Ned:—My father has been taking the M. B. F. for many years and we all like it very much.

May I join the merry circle? What must I do to obtain the card and button?

As all the other cousins describe themselves, I will, too. I am four feet, ten inches tall. I have dark eyes, have a light complexion and a bushel of red hair. (I won't tell you about my freckles.) I am twelve years old and in the sixth grade.

I have two sisters and four brothers. I could hardly forget pets, a red dog and a red cat. Three red heads make three great companions. My sisters tell me that red is dangerous. Do you think so, Uncle Ned?

I guess my chatter box is getting louder and louder, so I think I had better ring off and leave room for the rest of the cousins. Your want-to-be-niece, Helen Hartman, 2, Standish, Mich.

I never felt red was dangerous. In fact, I always sort of liked red hair, although mine never was that color. My hair was almost black, until Father Time started taking the color out of it. As for joining our circle, I am happy to welcome you. A pin and a pledge card went forward to you recently. Just remember our pledge and try to live up to it the best you know how and you will be a good member.



Scouting for Farm Boys

Boy Scouts of America, Department of Rural Scouting.

(All inquiries regarding scouting should be addressed to the Scouting Editor, The Business Farmer, Mt. Clemens, Mich.)

BE A BOY SCOUT

(Article No. 2)

"WHY do you like Scouting?" I asked a Boy Scout recently. "Because it's lots of fun," was his answer, quick as a flash. Then on sober second thought he added, "And because you can learn a lot in Scouting."

That sets forth the average boy's estimate of Scouting. He thinks of the fun first and the training second, and that is the proper attitude for a boy to take.

Our last article described briefly what Scouting is and what it is for. That was for the benefit of the parents and other grown folks. But we didn't want our boy readers to get the idea that it was all work and no fun—quite the opposite. Scouting is lots of fun. Every troop, patrol, or tribe meeting has its games, stunts, stories, songs, and other forms of entertainment.

Hikes and camping trips are the greatest fun in the world for any boy whose arteries run with red blood and not distilled water. But not all the fun is in games. One of the greatest enjoyments for any boy is to learn to do things, to make things,

to master some art of craft that most boys cannot do. Every boy looks forward toward being a man and wants to try out different jobs to find an interesting hobby to work on in the long winter evenings.

All of this and more he gets from Scouting.

And Scouting furnishes a boy with ideals for his life. What is an ideal? It is a standard to live by and act by; it is a goal to strive for, an end to achieve.

The ideals of the Scout are expressed in the Scout Oath and the twelve points of the Scout Law as follows:

SCOUT OATH

On my honor I will do my best—

1. To do my duty to God and my country, and to obey the Scout law.
2. To help other people at all times.
3. To keep myself physically strong, mentally awake, and morally straight.

SCOUT LAW

1. A Scout Is Trustworthy:
A Scout's honor is to be trusted. If he were to violate his honor by telling a lie, or by cheating, or by not doing exactly a given task, when trusted on his honor, he may be directed to hand over his Scout badge.

2. A Scout Is Loyal:
He is loyal to all to whom loyalty is

RURAL SCOUTING APPLICATION

(Only boys twelve years or over are eligible)

Date.....192.....

I wish to become a Boy Scout in the following manner (check which method):

I think a troop could be started in my neighborhood.....

Please tell me how to do this and whether there is a Scout Headquarters in a nearby city where I could get information and help.

I do not think a troop could be started, for the present, at least, but I would like to help organize a Farm Patrol. Please tell me how.

I wish to register as a Lone Scout.

I do not think that a troop or patrol could be started here, for a time at least, for the following reasons:

In signing this application, I do so with the knowledge and approval of my parents or guardian and agree to be governed by the Scout Oath and Law, the rules of the National Council, and the Troop, Patrol, or Lone Scout division, of which I may become a member.

If registering as a Lone Scout, enclose 50 cents.

Name Age
R. F. D. and Box
or Street and No.

Town County State

Cut out this application, fill in, and mail to Scouting Editor, Michigan Business Farmer, Mount Clemens, Michigan.

BALLOT

I, THE UNDERSIGNED, of my own free will, do hereby cast my vote for officers of The Children's Hour Club, to take office February 1st, 1928, and serve for one year, to February 1st, 1929, as follows (make an X in the square before name of candidate you vote for):

PRESIDENT

☐ ELSIE MATZKE,
R. 5, Saginaw, W. S.

☐ EATHEL FAY SHARP,
Akron, Mich.

VICE-PRESIDENT

☐ HELEN B. KINNISON,
Star Route, Kalkaska

☐ ELTON HICKMOTT,
R. 3, Box 107, Birmingham

Signed:

Name

Address

Age

due; his Scout leader, his home and parents and country.

3. A Scout Is Helpful:

He must be prepared at any time to save life, help injured persons and share the home duties. He must do at least one good turn to somebody every day.

4. A Scout Is Friendly:

He is a friend of all and a brother to every other Scout.

5. A Scout Is Courteous:

He is polite to all, especially to women, children, old people, and the weak and helpless. He must not take pay being helpful or courteous.

6. A Scout Is Kind:

He is the friend to animals. He will not kill nor hurt any living creature needlessly, but will strive to save and protect all harmless life.

7. A Scout Is Obedient:

He obeys his parents, scoutmaster, patrol leader, and all other duly constituted authorities.

8. A Scout Is Cheerful:

He smiles whenever he can. His obedience to orders is prompt and cheery. He never shirks nor grumbles at hardships.

9. A Scout Is Thrifty:

He does not wantonly destroy property. He works faithfully, wastes nothing, and makes the best use of his opportunities. He saves his money so that he may pay his own way, be generous to those in need and helpful to worthy objects. He may work for pay but must not receive tips for courtesies or good turns.

10. A Scout Is Brave:

He has the courage to face danger in spite of fear and to stand up for the right against the coaxings of friends or jeers or threats of enemies, and defeat does not down him.

11. A Scout Is Clean:

He keeps clean in body and thoughts, stands for clean speech, clean sport, and travels with a clean crowd.

12. A Scout Is Reverent:

He is reverent toward God. He is faithful in his religious duties, and respects the convictions of others in matters of customs and religion.

Aren't these principles worth living up to?

A Game to Play

ADDING RELAY

IN this game divide the players into two equal sides, and seat each group on opposite sides of the room. Each player writes a number in a column on a blackboard or chart, and the last person on each of the sides adds the column of figures. For example, the players sitting in the front seat would be given a piece of chalk. On the signal from the leader to begin, this person would rush to the black board at the front of the room and write any number, such as "27." He then goes back and hands his chalk to the one sitting in the seat next to him, and when the last one finally gets the chalk, he rushes to the board, writes a number and then adds the whole column. The players in the other team are doing the same thing. The side that finishes first and whose answer is correct wins one point. Figures of two digits can be used first, and then three or four digits.

Riddles

Four legs up, four legs down, soft in the middle, and hard all around. A bed. It goes up and down but never touches the ground. A pump handle.

How many sides has a circle? Two, inside and outside.

What goes up when the rain comes down? An umbrella.

Something that has teeth but can not bite? A comb.

Successful Farmer Boosts Short Courses

WINNING ton litter honors one's self is one thing, while the breeding and selling of stock that will win similar honors for the buyer, is quite another. This, however, was very successfully accomplished the past year by Sidney Phillips, Charlotte, President of the State Short Course Club and President of the State Duroc Jersey Breeders' Association.

Sidney sold a gilt to his grandfather, Walter Phillips, who is a seventy-five year old farmer. This gilt produced a litter that weighed 2,420 lbs. at six months. Another gilt sold to Laban Williams, Eaton Rapids, produced a litter that weighed 2,340 lbs. at the end of the 180 day period. Sidney also qualified for ton litter honors (raised with some thirty other shotes under ordinary herd conditions) which reached the 2,049 lbs. mark.

Mr. Phillips' Duroc Jersey experience dates back to 1918 when he joined the Brookfield Duroc Jersey Pig Club. He has steadfastly clung to his early plans, continuing to develop his breeding program through his Club work, through his agricultural high school work, and through his Short Course work at the College. He now stands out as one of the progressive Duroc breeders of the State, and an agricultural leader in his community, county and State, as may be gleaned from the fact that while he is yet a young man in his early twenties, he has been elected as president of two State associations. Mr. Phillips is a strong backer of the College Short Courses and feels that every young man interested in agriculture should receive the inspiration and training the College has to offer through these courses.

DOES IT PAY?

(Continued from Page 11)

vision of being "secure in our person and property"? Is it any wonder that respect for laws is at a low ebb; and that rebellious societies flourish?

A neighbor told me recently that his father borrowed his dog to take home to keep the muskrats—government wards—out of his corn as they destroyed as high as seven bushels in a single night, yet he dare not trap them. Raised on his own farm and fed his own corn. According to the assessor his rats.

Another man a few days ago released five thousand pheasants to feed upon the farmers who in turn must not hurt them. One can see his loss when he considers that the farmers could raise upon the same feed five thousand chickens worth one dollar each or five thousand dollars loss. Pheasants destroyed fully one-half of my corn crop last year.

And so on through out the list of protected animals. What shall be done? How may we be relieved from this oppression?—J. S. Hossler, Macomb County.

WANTS PROTECTION

DEAR EDITOR: Again we are asking you to help care for us and our farm rights as to the lawless sportsman. He wants the law repealed that compels him to get consent of farm owners to allow him to hunt on and break down fences and kill stock or anything he wishes to do to get enjoyment for himself or friends.

Make us secure in our ownership and do not let the sportsmen confiscate our farms for their use.—G. B., Milford, Mich.

SINGLE FOLKS TAXED ENOUGH

DEAR EDITOR: In answer to "One Who Wonders Why" I would say that their statements are very vague and lack the support of statistics. A tax of fifty dollars a head for every single person over twenty-one is absurd. The majority of people just over 21 are not financially able to stand a tax of fifty dollars a year. To what fund would this tax be applied in the tax budget? To help pay the weed tax of "The Lazy Farmer"?

I suggest that a tax be put on easy chairs, tea and cats, as a curb on people who are endorsers of blue laws designed to hinder the exuberance of youth.

The contention of "One Who Won-

ders Why" that the expenses of large jails are expanded by unmarried people under thirty is unsubstantiated by statistics. These same people who assumedly race the roads are taxed to the limit by the gasoline tax.

Because a man is a renter is no reason that he is tax free. The rent he pays goes in turn to pay the taxes of the man who does own the farm.

We would surmise that the writer is blessed with many children. She should be thankful that there is not a tax on children. Why should a man be taxed because he does not bring more children into the world than he can dress, school and properly take care of?—D. D., Traverse City, Mich.

CHILDREN'S DEBT

DEAR EDITOR:—I have been thinking about writing you a letter for some time as I have not seen any comment on the children's debt subject discussed in your columns and would like to hear from some of the readers of the M. B. F. on their ideas of the subject.

My parents always said that I owed them a debt far greater than I could ever repay for their tender care which they gave me through infancy and to manhood. Not only my parents but many other people make the

mistake of believing and even telling their children that they are indebted to them and a remark of that kind is thoroughly disgusting.

How many of us would be in this wicked world had we been consulted and had our life of sorrows and woes laid before us before we were brought into this world had we the right to choose?

Now here is my idea of the thing all in a nut shell. I did not consult my children as to whether or not they wanted to come into this world. I did just like my parents and all else do just accepted them when they came so why should they be burdened with the so-called debt which they will never be able to pay?

They are not to my thinking but quite to the contrary. I am indebted to them. I owe them the debt that my father and mother paid me and my children shall owe me nothing when they are raised but they will it to their children instead. Should they never raise any children they will owe a debt which they will not be able to pay but they will not owe it to me quite the contrary—they owe it to the Master who in the End will check our accounts for us and deal out Justice accordingly.

I have three children and am trying hard to pay them the debt I owe them by giving them the best there is in me while they are with me but when they grow old enough I will then think that our accounts are closed if I have succeeded in balancing our accounts all well and good.

If not, it's me and the Master for it—not my children.

Hoping to see through your columns some other people comment on this case, I remain a subscriber.—W. E. W., Branch County.

DO NOT WANT TO MISS AN ISSUE

DEAR EDITOR: Will you please change my address on your mailing list, sending THE BUSINESS FARMER to me here until further notice? The old address is Bellaire, Michigan. We expect to spend the winter in Chicago, but our interest in your paper is so great we shall not want to miss a single issue. We got the last issue before leaving Bellaire, and hope it is not too late to have the next issue sent to us here. I should have notified you sooner had I known definitely what our Chicago address would be.

In the spring I shall let you know when to send the paper to Bellaire again, as we shall return there as soon as we can after the spring comes.

With best wishes for your success, and complimenting you upon the value of your paper to the farmer of Michigan, I am—W. H. W., Chicago, Illinois.

Your paper should be in every home for it is very helpful indeed to us farmers.—Mr. and Mrs. Robert Demond, Barry County.

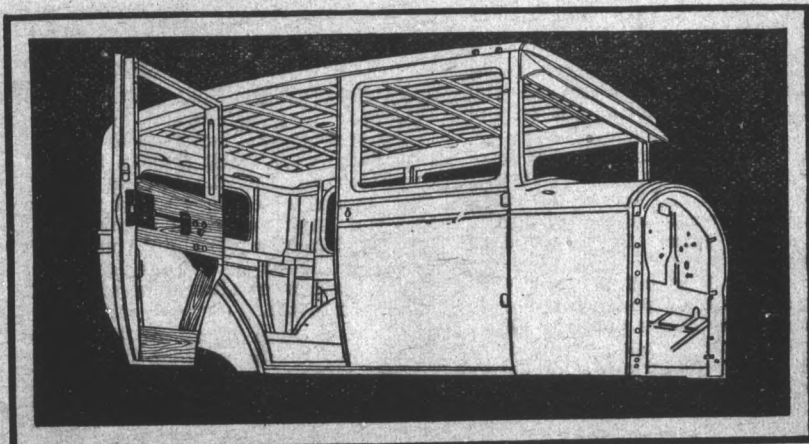
THE BUSINESS FARMER cannot be beat.—John Sauger, Kent County.

Wood and Steel

Why both are required for Quality Bodies

Fisher Bodies are of wood and steel construction. Up to the present time, this is the only type of automobile body construction which permits of maximum strength, maximum resiliency and maximum safety.—In wood and steel construction, the wood reinforces the steel and the steel reinforces the wood. This results in the strongest kind of construction known to body builders. It also affords the necessary resiliency and the

ability to absorb noise.—Resiliency in a body is necessary because the car body is continuously subjected to shocks and strains. There is no material which combines strength and resiliency as does wood. And there is no body construction stronger than that in which wood reinforces steel and steel reinforces wood. Because Fisher Bodies are so constructed, there are no stronger bodies than those which Fisher builds.



Bracing—Every Fisher Body is staunchly braced at all points subject to strain. That is one reason why a Fisher Body stands up month after month and year after year in the hardest kind of service.

Lumber—The lumber for Fisher Bodies is carefully selected and seasoned, and subjected to many close inspections, both before and after being cut for building into a body.

Clear Vision Corner Pillars—The narrow front pillars of a Fisher Body eliminate the "blind spot" in driving, enabling the driver to see objects in front and on the sides at all times—thus preventing accidents.

Body by FISHER

THE FARMHOUSE KITCHEN IN WINTER

By Anne Campbell

There was the cheery clock upon its shelf;
The window where geraniums bloomed
red;
The cheesecloth curtains that I made my-
self;
The kitten purring in its basket bed.

An almanac was tacked upon the wall
Beside the cupboard where best dishes
went.
The cook stove had a black pipe reaching
tall.
This was the room in which our days
were spent.

The doors were closed upon the parlor's
gloom.
The woodbox bulged against the winter's
cold.
Our pet canary flew about the room,
A sunbeam turned his wings to purest
gold.

The crocheted rugs were bright beneath
our feet.
We stirred the meal and put on to
warm,
And scarcely knew that life was rich and
sweet.
Upon a winter morning on the farm.

A SUBSTITUTE FOR SUNSHINE

MANY people, especially in the
climates where there are long
winters, with many cloudy
days, lack sunshine, which is essen-
tial to health. Without sunshine, or
something which acts as a substitute
for it, the body cannot make proper
use of the needed minerals even
when the food provided furnishes
these in sufficient amounts.

People living in places where there
is lack of sunshine are very suscepti-
ble to colds. And the continued
colds from which they suffer, begin-
ning with the fall rains and lasting
through the cold, stormy winter and
even through the early spring until
warm weather is once more estab-
lished, makes them more liable to
the diseases of the respiratory organs,
such as grippe, pneumonia, and tu-
berculosis. Also to mastoid and
sinus infections.

To counteract this lack of sun-
shine and the consequent lowered re-
sistance to disease the people in
these climates should take cod liver
oil every day. The daily dose is but
one teaspoonful and the best way to
take it is to put together one tea-
spoonful of cod liver oil and two
teaspoonfuls of lemon or orange
juice and beat with a small rotary
egg beater.

People who already have tubercu-
losis should take three teaspoonfuls
of cod liver oil daily.

Cod liver oil is now made by a
process that removes it quickly from
the liver only a few hours after the
fish is caught. Most of the disagree-
able odor is eliminated by this new
process and the oil made in this way
is light lemon in color instead of
darker. It is not at all difficult to
take by the method given above. Cod
liver oil really contains what might
be termed "preserved sunshine" for
the cod feeds upon the thousands of
squid lying on the surface of the
water and these in turn have eaten
the plants that have absorbed the
sunshine as they floated in it on the
water.

Unless several members of a fam-
ily are using it daily so that it will
soon be finished cod liver oil should
be bought in small containers as the
stale product loses its value after
being opened.

Cod liver oil is being used with
excellent results by poultrymen, who
thus keep their flocks in good condi-
tion and increase profits through in-
creased egg production and better
vitality.—Eva Henderson Davey.

BROWNS LEAD WINTER COLORS —SUMMER SHADES PREDICTED

THAT shades of violet and laven-
der will be popular next sum-
mer is indicated by fashions for
Southern wear, which usually carry
over into our Northern summer, ac-
cording to Mrs. Catharine Griebel,
extension clothing specialist at the
New Jersey State College of Agri-
culture.

Yellows are also important, says
the specialist, and a rich tone named
"wheat" typifies the vogue. Light
tones of yellow will be important for
evening wear. A range of peach
pinks are prominent and fashion
sources are again persistent in
stressing greys.

The winter colors are unchanged,
with beige and brown in the lead.



THE FARM HOME

A DEPARTMENT FOR WOMEN
Edited by MRS. ANNIE TAYLOR



DEAR FOLKS: Well, here we have with us little 1928, just one
week old! Happy New Year, Folks! And again we editors
have what we so dearly love, a chance to moralize, if we care to
take advantage of it. Of course, to keep in spirit with the season,
we should exhort you to make the usual well-intentioned resolutions,
and being naturally helpful souls we might even relieve you of the
burden of picking and choosing by suggesting a few ourselves, just
as we do holiday menus, color combinations, and so forth; but we are
going to do nothing of the sort. We don't believe in having other
people's ideas for them, much less in being responsible for their
resolutions.

What concerns us chiefly at this time, and what we hope you are
equally interested in, is the career of this page during the coming year.
We nurse fond hopes for its success, and to this end we are planning
many things for you. Instead of urging our readers to make resolu-
tions we will make a few ourselves and see how well we can keep them.

We solemnly resolve to make this page of more real benefit and
genuine service to you that it has ever been before, and to help you
in every branch of your various activities. But in order to accom-
plish this we must have your cooperation. This department is called
the "Farm Home"; you are the women in the farm homes of Michi-
gan, we merely sit at desks. You must let us have the knowledge
gained from your experience so that your sister women may profit.
Unless you acquaint us with your trials and successes, we are helpless
to function. You must be our inspiration.

In behalf of the farm women of Michigan, we quote the following
poem:

"I'd like to know what the other woman does whose job is akin to
mine; whose life is lived in the humdrum way of my own familiar
line. I'd like to know what she thinks about as she works around
and around, and I'd like to hear of her hope and doubt, how her grief
and joy are found. I'd like to know what she has in mind for the sea-
son that's just ahead, and I'd like to know how she got along in the
season that's gone and dead. If she has a word that is good for me
and a point that I ought to get, then I want to hear and I want to see
everything she can give, you bet! And I want to give to my fellowman
a glint of the things I learn as I come and go, as I work and plan,
as the wheels of housework turn. A dollar saved, or a job made light
by a twist or knack I've
found is a boon or us in
our daily fight, an aid in
our daily round."

*Your Friend,
Mrs. Annie Taylor*

Address letters: Mrs. Annie Taylor, care The Business Farmer, Mt. Clemens, Michigan.

Blues hold second place, while the
reds, which were quite important
last summer, have declined steadily.
Greens have been important for six
months or more.

Black has been increasing in popu-
larity since the middle of August.
In footwear this is especially notice-
able, for black shoes far outnumber
brown ones even when the costume is
in tones of brown. On the other
hand, although "dust-colored" hose
is worn, beige is most popular, while
black stockings are correct only for
mourning.

Very many black coats are shown
with black fur, and all-black fur
coats are very smart. There are
many lovely handbags in black.
Suede and antelope lead, but when
patent leather shoes are worn, the
bag should match the shoes.

PRESS WOOL FOR COMFORTERS

WHEN raw wool has been cleaned
for comforters, it may be
pressed at home and rolled
into batts which will remain in good
condition until used. Spread on the
floor paper which is 18 inches wide
and the length of the comforter de-
sired. Place wool about one inch
deep on the paper. Four layers of
papers and wool should be used for
each comforter.

Place a clean board of the same
width and length on top of the paper
and wool. Place a 200 pound weight
on the board and let it set for two
days or longer, thus pressing the
wool into batts. Remove the board

and roll up each batt without re-
moving the paper.

Personal Column

Good Butter.—Please tell me how we
can make good winter butter. Ours gets
strong in a short time.—Mrs. A., Byron
Center, Mich.

—It is impossible to give to butter made
in the winter time an especially agreeable
flavor unless the cream is very carefully
handled and the cow are fed ensilage. This
latter lends a sort of pasture flavor to
the butter and in addition makes the
cream more churnable and the butter less
brittle than is the case when cows are
fed only on common roughages avail-
able in the winter. Hard feeds often give
to butter some of their own peculiar flavor
and the same may be said of certain roots,
pumpkins and sugar beet tops. The flav-
or can be reduced somewhat in the milk
if the cows are fed after, rather than be-
fore, milking.

The second thing to pay particular at-
tention to is the matter of churning. Stop
the churn when the butterfat granules are
not larger than wheat kernels; draw off
the buttermilk; add an equal quantity of
cold wash water and turn the churn some
twelve revolutions slowly. Draw off this
water and repeat the operation. This re-
moves maximum amount of buttermilk.
The presence of this buttermilk in the
finished butter is a big factor in helping
it to become rancid.—P. S. Lucas, Asso-
ciate Professor, Dairy Manufactures.

"Erin's Green Shore."—I would like the
have the song, "Erin's Green Shore."—
W. R. B., Kent City, Mich.

Three Songs Wanted.—I would like the
words to these songs: "The Moon Behind

the Hills," and "The Old Musician and
His Harp."—G. L. T., Grand Rapids, Mich.

Who Has This?—I would like to have
the words to, "The Wreck of the Southern
Old '97."—A. B., Hale, Mich.

—if you are well bred!

Eating Soup.—So many jokes are made
about eating soup. Just what is the prop-
er method?—Miss A. G., Cheboygan Co.
—There are really only two or three
things to remember. First, hold the spoon
in the right hand with the outside of the
bowl turned toward you, stroking away
from the body. Never blow upon soup to
cool it. Let the spoon enter the mouth
quarterwise, being very, very careful not
to make the slightest noise, in taking it
into the mouth. When crackers are serv-
ed, do not break them up into the soup,
but spread them with butter and eat them
"out of hand."

Kleever Kiddies

(Every so often one of our children says
something that makes us laugh whether
we want to or not. If your youngster, or
one of your young friends, has said or
done anything that appeals to you as
being particularly humorous, we will be
glad to hear about it and publish it under
this head, if it can be used. Let's all
help to make this corner a success.)

It was little George's first visit to the
country, and he kept his aunt and uncle
extremely busy explaining the mysterious
ways of nature. One morning he came
running in from the barnyard with a
feather in his hand, exclaiming excitedly:
"Oh, Auntie, look what I found! Here's
a leaf off from a chicken!"

Folks at Our House Like—

(We are starting this little corner so
that the families of THE MICHIGAN BUSI-
NESS FARMER can exchange their favorite
recipes and food combinations. What
special meal or dish do your folks greet
with joy when it appears on the table?
Write and tell us about it.)

Many Helps.—It seems as if you were
a personal friend from the many, many
helps I have received from your page. I
am sending two favorite recipes of my
family.

Green Tomato Relish.—1 peck green to-
matoes; 6 large onions; 1 or 2 heads of
cabbage. Run through medium knife of
food grinder. Then add 2 tablespoons
salt, 2 cups sugar, 3 cups vinegar, and
add 1½ tablespoons each of cinnamon,
cloves, and white mustard seed, and 2
tablespoons celery seed. Cook until soft
and seal boiling hot. This recipe makes
between 7 and 9 quarts.

Pear Spread.—3 lbs. pears; 3 lbs. su-
gar; and 3 oranges. Run raw pears and
orange rinds through medium knife of
food grinder. Add sugar and juice and
pulp of oranges from which all seeds and
membranes have been removed. Cook
until thick like jam and seal while hot,
or cool in glasses and cover with para-
fin. Serve with thick sweet cream with-
out sugar or flavoring for dessert, or use
in jelly roll.—Mrs. L. B., Clifford, Mich.
—Indeed, I want you and every other
woman who belongs to this department
to feel that I am a personal friend, be-
cause that is just what I try to be. We
are printing your recipes a little late, but
we recommend that our good readers clip
them out for use next year.

For the Movie Fan

The Yankee Clipper.—If you enjoy stor-
ies of the sea you will certainly like this
one which features William Boyd, Elinor
Fair, Walter Long and Junior Coughlin.
The story deals with Hal Winslow, a
young seaman whose father had invented
the design of a fast sailing clipper ship
in the hopes that America may win com-
merce from England who has been ruling
the seas. With great hopes that this
vessel may win from the British the tea-
carrying trade, the young man sails for
China. There he meets Huntington, a
British ship captain who is there to get
a cargo of tea with the finest vessel that
the British possess. Huntington is ac-
companied by his beautiful daughter,
Jocelyn, and one day Winslow rescues
her from a band of Chinese beggars.
She is engaged to a young man by the
name of Richard, who proves himself to
be both a coward and a cad. At a din-
ner given by the Chinese merchant it is
agreed that both ships—"The Yankee
Clipper," commanded by Winslow and
"The Lord of the Isles," commanded by
Huntington,—shall carry cargoes of tea
to Boston and the country whose vessel
wins the race shall have the monopoly
of the tea-carrying trade. On the day
when the race begins, Jocelyn and her
fiance, Richard, go aboard "The Yankee
Clipper" to bid Winslow good-bye. Win-
slow decides to keep both aboard the ves-
sel so that Jocelyn may learn the real
character of Richard and be spared the
disgrace of wedding a scoundrel. During
the voyage, Richard causes much trouble
among the crew and is finally exposed by
Winslow as a coward and traitor and in
the end Winslow and Jocelyn are mar-
ried. The picture contains many thrills



A HAPPY NEW YEAR TO EVERYBODY

"This is our little girl, Wilma, wishing you and your subscribers a Happy New Year,"
writes Charles E. King, of Barry county. "I have been a subscriber to M. B. F. for
some time and it has become a great friend of ours."

and much humor, much of the latter being furnished by the young star, Junior Coughlin, who is a stowaway on the ship commanded by Winslow.

Favorite Songs

REDWING

There once lived an Indian maid,
A shy little prairie maid,
Who sang a lay, a love-song gay,
As on the plain she'd while away the day;
She loved a warrior bold,
This shy little maid of old;
But, brave and gay, he rode one day
To battle far away.

Chorus:

Now the moon shines tonight on pretty
Redwing;
The breeze is sighing,
The night-bird crying,
For afar, 'neath his star, her brave is
sleeping,
While Redwing's weeping
Her heart away.

She watched for him day and night,
She kept all the camp-fires bright,
And under the sky each night she would
lie,
And dream of his coming by-and-by;
But when all the braves returned,
The heart of Redwing yearned,
For far, far away, her warrior gay
Fell bravely in the fray.

What To Eat

Baked Meals.—Now that the cold weather makes it necessary to keep a fire in the kitchen range, oven-cooked meals are in order. They not only require little attention, but are also fuel saving as well as exceedingly healthful and delicious.

Try these in your oven:

- (1) Salmon loaf, baked potatoes, scalloped tomatoes, apple pie.
- (2) Macaroni and cheese and tomatoes, muffins, Apple Brown Betty.
- (3) Baked pork chops with dressing and slices of apple placed around edges of baking pan, baked sweet potatoes, cranberry pie.
- (4) Scalloped potatoes, meat loaf, baked squash, baked apples with cream.
- (5) Scalloped corn, baked potatoes, peach shortcake.
- (6) Scalloped potatoes with pork chops, apple sauce, pumpkin pie.

Scalloped Tomatoes.—6 medium-sized tomatoes; 2 tablespoons butter; bread crumbs; salt; pepper. Put a layer of tomatoes in a greased baking dish. Add salt, pepper, bread crumbs and butter. Repeat until dish is filled, making the last layer of crumbs. Dot with bits of butter. Bake in moderate oven about 30 minutes.

Scalloped Potatoes.—Potatoes; milk; butter; flour; salt; pepper; chopped onion or onion juice; chopped parsley if desired. Cut pared potatoes into very thin slices; arrange in layers in a greased baking dish and sprinkle each layer with salt, pepper, onion, parsley, butter and flour. Add milk enough to cover the contents of the dish. The baking dish should be no more than three-fourths full. Bake uncovered in a moderate oven until potatoes are tender. If pork chops or ham are cooked in combination, omit onion.

Salmon Loaf.—2 cups canned salmon; 2 to 3 egg yolks, well beaten; ½ cup soft bread crumbs; 1 tablespoon melted butter; 1 teaspoon salt; ¼ teaspoon pepper; 1 tablespoon chopped parsley; 2 to 3 egg whites beaten stiff. Combine ingredients folding the egg whites in at the left. Put into a greased bread pan. Bake in a moderate oven.

Meat Loaf.—1 lb. lean beef, round or chuck, ground; ½ lb. salt pork or ¼ lb. ham, ground; 1 egg, slightly beaten; ½ cup bread crumbs; ½ cup milk; ¼ small onion chopped; 1 teaspoon salt; 1/3 teaspoon pepper; 1/16 teaspoon sage. Mix ingredients lightly. Shape into a loaf handling as little as possible. Place on a rack in a pan, dredge with flour or bread crumbs. Bake in a moderate oven ¾ to 1 hour, basting as needed with the fat that cooks out of the meat.

Homespun Yarn

Having the children rest before meal time will aid digestion.

If cake frosting is too thick, add boiling water to reduce it to the proper consistency.

In eating any soft food, as soup or sauce, dip the spoon away from you to prevent dripping.

Members of a family should learn to differ without quarreling. This promotes constructive discussions.

To remove surplus fat from meat extracts, use brown paper to absorb the fat from the top of the fluid.

Addition of a stalk of celery, a sprig of parsley and a clove of garlic to potatoes when they are boiling makes a broth that can be served as a soup course.

WOMEN'S EXCHANGE

If you have something to exchange, we will print it FREE under this heading providing: First—it appeals to women and is a bonafide exchange, no cash involved. Second—it will go in three lines. Third—you are a paid-up subscriber to The Business Farmer and attach your address label from a recent issue to prove it. Exchange offers will be numbered and inserted in the order received as we have room.
—MRS. ANNIE TAYLOR, Editor.

160.—Gladiola bulbs for double dahlia bulbs at once. Mrs. Eva McCastle, Route 5, Hesperia, Mich.

161.—Little girls' plush or velvet hats for anything useful.—Mrs. George Morgan, R. 3, Vicksburg, Mich.

Aids to Good Dressing

BE SURE TO GIVE SIZE



5889.—Ladies' Morning Frock.—Cut in 6 sizes: 34, 36, 38, 40, 42 and 44 inches bust measure. A 38 inch size requires 3½ yards of 36 inch material together with ½ yard of contrasting material. The width of the dress at the lower edge with plaits extended is 1½ yards.

5899.—Girls' Dress.—Cut in 4 sizes: 6, 8, 10 and 12 years. A 10 year size requires 2½ yards of 36 inch material. To trim as illustrated will require 3 yards of braid or bias binding on collar, cuffs and belt.



6000.—Misses' Dress.—Cut in 3 sizes: 16, 18 and 20 years. A 16 year size requires 2½ yards of 40 inch material. The width of the dress at the lower edge is 2½ yards.

6017.—Boys' Suit.—Cut in 3 sizes: 2, 4, and 6 years. A 4 year size requires 1½ yards of 32 inch material for the blouse, and ¾ yard of 54 inch material for the trousers.

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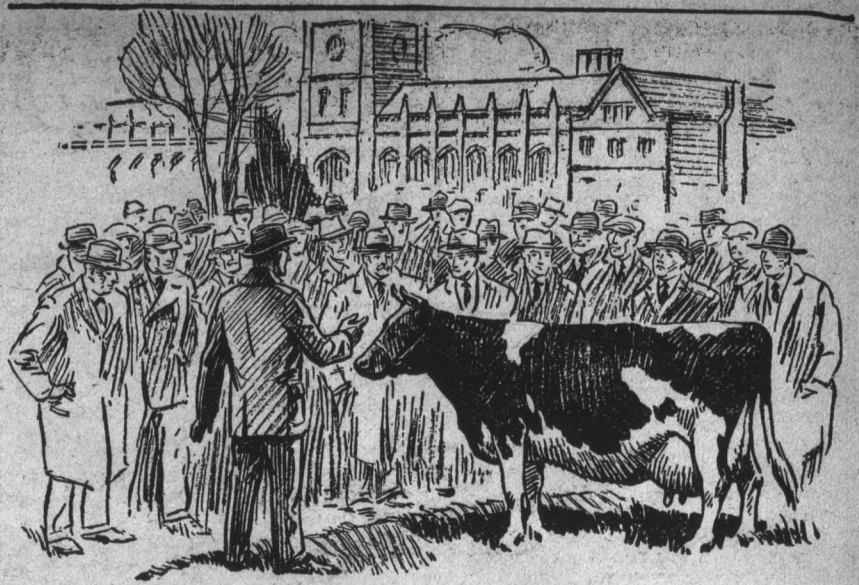
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Order from this or former issues of The Business Farmer, giving number and sign your name and address plainly.

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THE BUSINESS FARMER
Mt. Clemens, Mich.



Farmers' Week presents opportunities

EVERY month and every business has its conventions. The most outstanding and unusual of these is the one conducted by the State Agricultural Colleges in New York Central territory during February under the name of Farmers' Week.

Embodying all the features of the ordinary convention, it is also a seminar—it presents a post graduate course to those engaged in agriculture. Here is an opportunity for the men in the field to exchange ideas with the agricultural scientists. By personal contact, the theoretical meets the practical and the business of agriculture is benefited.

Better soil, better crops, better cattle, better farmers, and better citizens! Fascinating subjects worthy of discussion, as well as profitable.

Progressive farmers throughout the New York Central territory ascribe much of their success to the information and inspiration which they receive from their State Agricultural Colleges through these Farmers' Weeks.



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"THE FARM PAPER OF SERVICE"

write in. Advice costs nothing if you're a paid-up subscriber. That's us, folks. If we can be of service do not hesitate to
The Business Farmer, Mt. Clemens, Mich.

To End Severe Cough Quickly, Try This

For real results, this old home-made remedy beats them all. Easily prepared.

You'll never know how quickly a bad cough can be conquered, until you try this famous home-made remedy. The immediate relief given is almost like magic. It is easily prepared, and there is nothing better for coughs.

Into a pint bottle, put 2½ ounces of Pinex; then add plain granulated sugar syrup to make a full pint. Or you can use clarified honey, instead of sugar syrup. Either way, the full pint saves about two-thirds of the money usually spent for cough preparations, and gives you a more positive, effective remedy. It keeps perfectly, and tastes pleasant—children like it.

You can feel this take hold instantly, soothing and healing the membranes in all the air passages. It promptly loosens a dry, tight cough, and soon you will notice the phlegm thin out and disappear. A day's use will usually break up an ordinary throat or chest cold, and it is also splendid for bronchitis, hoarseness, and bronchial asthma.

Pinex is a most valuable concentrated compound of genuine Norway pine extract and palatable guaiacum, the most reliable remedy for throat and chest ailments.

To avoid disappointment, ask your druggist for "2½ ounces of Pinex" with directions. Guaranteed to give absolute satisfaction or money promptly refunded. The Pinex Co., Ft. Wayne, Ind.

PINEX
for Coughs

Don't neglect a Cold

Just Rub Away Danger

Serious illness often starts with a cold. Ward off your colds with **Musterole** (it may prevent pneumonia). Don't take chances. At the first warning sign, rub **Musterole** on the chest and throat. It tingles, penetrates and draws out soreness. **Musterole**, is a counter-irritant that helps to break up a cold. For prompt relief from chest cold, croup and bronchitis, tonsillitis, neuralgia, rheumatism and headache, pains in joints and chilblains rub on **Musterole**. Keep a jar handy.

To Mothers: **Musterole** is also made in milder form for babies and small children. Ask for Children's **Musterole**.



BETTER THAN A MUSTARD PLASTER

WHEN WRITING TO ADVERTISERS
MENTION THE BUSINESS FARMER

Isbell's Seeds DO Yield More

Our customers have proven that **Isbell's Bell Brand** (Northern grown) **Seeds** do yield bumper crops—better paying crops. Isbell's Michigan grown seeds are of high quality and dependable. Earliness, hardiness and the ability to produce maximum crops of the highest quality make them the choice of discriminating growers everywhere. Bell Brand quality is the result of many years of systematic and painstaking labor in selecting, breeding, growing and handling. Isbell's seeds yield more for the same reason that thoroughbred stock pays better—breeding tells in everything that grows.

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We have been seed growers for nearly half a century. Not only growing seeds but constantly improving and perfecting existing varieties and originating new and better kinds. Our equipment for cleaning, handling and storing seeds has been perfected by long experience. Our scientific testing methods are your guarantee of quality and dependability.



They Must be Right

Only seeds of highest quality are sent out under the Bell Brand—that can be taken for granted whenever Isbell's Michigan Grown Seeds are mentioned. That is why they are used by thousands of successful farmers and gardeners as well as home owners who delight in the best of both flowers and vegetables.

Isbell's 1928 Seed Annual is Ready for You

This book—which has become the buying guide for more than 200,000 progressive farmers—is brimful of useful information. It tells you how to determine what crops are best for each purpose—what strains are best for your soil—how to prepare the soil—how to plant for best returns—how to care for the different varieties. It tells you how to select seed. And it quotes you money-saving, direct-from-grower prices, on Isbell's Tested Seeds.

This Book Means More Money for You

Send for your copy today! It's Free! Over 400 true-to-nature illustrations—28 pages in natural colors. This book aids you to plan your crops. It means less money for seed and more profit from your farm and garden. It costs you nothing but may add many dollars to your income. **Send Name and Address, or use this coupon.**

Isbell's Michigan (Northern grown) Seeds are hardy—safe anywhere. Once tried, always used. Write us today.

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Send me FREE your 1928 Seed Annual quoting direct-from-grower prices. (10)
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This Book FREE

Fruit and Orchard

Edited by HERBERT NAFZIGER, Berrien County

(Mr. Nafziger will be pleased to answer your questions regarding the fruit and orchard. There is no charge for this service if your subscription is paid in advance and you will receive a personal reply by mail.)

HEARD AT FRUIT GROWERS' MEETINGS

PROF. V. R. GARDNER of M. S. C.: "Whether it be apples, peaches, grapes or cherries; plant the kind of fruit which is best suited to your particular market."



Herbert Nafziger

James Nicol, of South Haven: "The present freight rate discrimination against Michigan fruit is a distinct menace to our business. We should leave no stone unturned in an effort to bring about an adjustment."

Prof. W. C. Dutton, of M. S. C.: "Spray your

apple trees every year for aphids. Make it a matter of routine. It is the only safe and sure way. Elimination of fungicides in the later apple sprays works in some seasons, but it is a dangerous practice."

George Avery, Mayor of Benton Harbor: "The fruit grower represents the highest type of agricultural intelligence."

R. L. Everts, of Hunter's Creek: "We were fortunate this year in having a 30,000 bushel crop of good quality apples."

F. L. Granger, sales manager of Michigan Fruit Growers, Inc.: "It is high time that western Michigan bankers and business men take an active interest in the betterment of the fruit industry."

Charles Garfield, the "Grand Old Man" of the Michigan State Horticultural Society. He was one of the founders of the Society 56 years ago, and has on several occasions expressed himself substantially as follows: "In my day I have seen fruit growing become a great industry and the spirit and ideals of the horticultural society have become commercialized. This is as it should be and is in keeping with the times, but, do not forget the fine enthusiasm and lofty ideals of the amateur. Keep some of that spirit in your hearts."

Dr. F. T. Bioletti, University of California: "Heavy pruning diminishes the vigor and capacity of a grape vine. It seems to invigorate a vine, but that is only because it restricts the crop. Overbearing also diminishes the vigor and capacity of a grape vine. **THINNING THE BLOSSOMS** does not diminish vigor, but prevents weakening from overbearing, and makes good quality."

George DuVall, Fennville: "We begin cultivation in the peach orchard early in the spring, but we do not cultivating during the blossoming and fruit setting period."

Thomas S. Smith, prominent Michigan grower and Chicago dealer: "Do not trim a limb out of a tree without knowing WHY. There is no better Michigan apple than the Northern Spy. The Commercial Grade should be eliminated. The barrel is a poor apple package. The Hubbardston is not wanted in the Chicago market. Michigan is ahead of New York in quality apple production. Putting fertilizer under an

apple tree is like putting money in the bank."

A. J. Rogers, Beulah: "Pruning sour cherry trees reduces yields. My unpruned blocks are by far the heaviest yielders and most profitable. Wide planting of cherry trees gives more pounds of fruit per tree, but close planting gives more pounds per acre. We use as high as nine pounds of nitrogenous fertilizer on old cherry trees. Schmitt's Bigarreau, Windsor, and Bing, in the order named are our best sweet cherries. Montmorency is the best sour cherry."

CORALLED BY FREIGHT RATES

ON December 2nd, at a meeting of its board of directors, the Michigan Fruit Growers Inc. decided to join with fruit organizations in New York and Pennsylvania in an effort to obtain an adjustment of freight rates which discriminate against eastern fruit growers. The grape rates, which are said to be especially out of line, will no doubt come in for first consideration and an appeal for relief will soon be laid before the Inter-State Commerce Commission.

We have always heard a great deal of the advantages of nearness to market. Discriminatory freight rates can easily operate, however, to cheat Michigan growers out of the natural advantages of their geographical position. That the rates are, to a large extent, operating in this manner at the present time is the contention of many of our marketing experts. It is claimed, for instance that California grapes can be shipped east at a far cheaper rate than Michigan grapes can be shipped west. This means that the California interests are presented with a monopoly in their home markets, while Michigan growers are forced to share their home markets with their competitors. To put it in another way, the marketing area for Michigan fruit is restricted, while that of competitors is practically unlimited. The result is that when a glut occurs in Michigan's area about all that our growers can do is to wallow in that glut and gaze longingly at forbidden markets.

Considering distance, the rates to many eastern markets are also ridiculously inequitable, but, in spite of all this the freight rates on most California deciduous fruits were recently given another reduction! How do they do it? By weight of organized effort. The same kind of effort, energetically applied, is our only salvation.

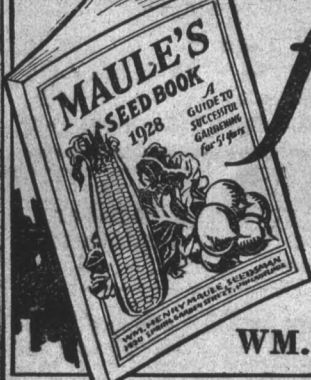
Am a reader of your paper and would not like to get along without it.—Arthur H. Schlinkeber, Saginaw County.

We sure do enjoy your paper from beginning to end, could not get along without it.—Arthur L. Moore, Barry County.

I think you have a good farm paper, and I don't believe I could get along without it. It certainly is a good help to the farmers.—Geo. Williams, Van Buren County.

I received payment of \$7.50 for my birds this a. m. I thank you very much as I surely needed the money. You can be sure of one subscriber as long as we live.—Mrs. H. C. S., Gaylord, Mich.

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Sturdy Honest Seeds
For More Than a
Half Century

All Maule Seeds teem with vigorous, healthy life. Always they are **Tested**, always they are **Guaranteed**. For 51 years the favorite of thousands of farmers and gardeners. We sell the highest class seeds and bulbs at the lowest prices. Maule's Seed Book shows a big variety of Flower Seeds, Vegetable Seeds, Farm Seeds, Lawn Grass, Bulbs, Roots, Flowering Shrubs, and Roses *** **All Super-Quality**, all Tested, all Guaranteed with a Money Back Bond *** Write for this **Interesting Free Book NOW**. A Post Card will bring it *** **Free**.

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50¢ SEEDS FREE

Here's our proposition! With every first order from a new customer, amounting to \$1.00 or over, we will give fifty cents' worth of seeds in packets of your own selection from **Olds' 41st Annual Catalog**

A 96-page illustrated book of Field, Garden and Flower Seeds, including Bulbs, Plants, Shrubs, Tools, Poultry Supplies, etc. Send for the catalog now. Then make out your order and selection of free seeds.

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Drawer 35, Madison, Wisconsin



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When exposed to weather or disease, give **SPOON'S DISTEMPER COMPOUND**. For 33 years the standard remedy for Distemper, Strangles, Influenza, Pink Eye, Catarrhal Fever, Shipping Fever, Coughs and Colds. Give to sick and those exposed. Give **"SPOON'S"** for Dog Distemper. Poultry raisers! Give **"SPOON'S"** for Roup. Sold in two sizes at drug stores. Write for free booklet. **SPOON MEDICAL CO. DEPT. 72 GOSHEN, IND.**

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Seeds—Berry Plants—Ornamentals
3-4 ft. Apple 25c; 3 ft. Peach 15c each postpaid. Guaranteed to grow. Farm, Flower and Garden Seeds. We have 500,000 Fruit Trees, Evergreens, Shade Trees, etc.—in fact our free 1928 catalog has everything for Garden, Farm and Lawn.

ALLENS NURSERY & SEED HOUSE
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FRESH FISH

Largest shippers on Great Lakes. It will pay you to send for our list of Fresh, Frozen, Smoked, Salt and Canned Fish. Season now open.
BADGER FISH CO., Dept. D, Green Bay, Wis.

THE MICHIGAN BUSINESS FARMER
"The Farm Paper of Service"
TELL YOUR FRIENDS ABOUT IT



PIONEER CAMP AND ROADSIDE MARKET

This roadside market is located on the Pioneer Fruit Farm, owned and operated by Chas. T. Schmieding, near Shelby, on trunk line U. S. 31. Mr. Schmieding calls his market the Pioneer Roadside Market because it was the first to be established in that section of Michigan. Failure was predicted by the neighbors but it did not come and later he had the satisfaction of seeing many of them accept his idea, building a stand of their own along the highway. Some time ago we published the first complete story about Mr. Schmieding and his operations to appear in any paper or magazine. It attracted wide attention and Mr. Schmieding received many letters asking for advice. Later the article appeared in several publications, both State and local.



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THE FARM GARDEN

Edited by C. H. HARNDEN

(Mr. Harnden is a practical gardener living in Saginaw county and he will be glad to answer any questions you care to ask him about gardening. All questions will be answered by first class mail.)

CUTTING PRODUCTIVE COSTS

IN these days of keen competition and overproduction the task of making the farm to pay us a living and interest on the investment presents a serious problem.

After my father and I had unsuccessfully struggled with the problem for a number of years I finally gave it up, married and went to the city for "new fields to conquer." Father went on a few years alone, finally grew old and gave up the problem unsolved. The gross income seemed to be sufficient but the net income usually suffered severely through such entries as labor, team work, etc.

I soon found that life in the city left much to be desired after being raised in the open country. My contact with the manufacturing industry, however, gave me a few ideas so that when I took the farm over I resolved to put them into practice. There was in my mind two methods of increasing farm profits. The first was to sell at the prevailing market price but lower the cost of production usually suffered severely. The second was to produce a superior product and thus command a better price. The third method used in industry, that of keeping supply slightly below demand, cannot be put into effect in agriculture in its present unorganized condition.

Well, I proceeded to "burn the candle at both ends" and practice the two forementioned methods. In other words, cut down production cost and at the same time produce a product that would command a fancy price. While I found it was necessary to keep a team to insure the work being done on time, I also found that the team was working not to exceed 50 full working days per year.

Our farm only consisted of 7½ acres and being located just across the city line made it too high priced to grow horse feed on. Therefore, by being forced to buy feed I found it would cost me \$4.00 to \$5.00 a day for every actual day I used the team. If I limited myself to one horse I was at the mercy of someone else when it came to plowing, etc.

The answer was a tractor sufficiently strong to plow yet small enough to cultivate. I found one that filled this need. In three years no horse has set foot on our land and we have less waste land around the fields.

I also found that it was costing

me approximately 20c per dozen bunches to grow, harvest and prepare the bunch crops for market. Most of the expense was involved in bunching and tying.

A tying machine reduced this cost to about 10c per dozen. I realized that anything that reduced the chances of crop failure would also tend to reduce production costs. This called for overhead irrigation with field. Other small machinery was also purchased as its use demonstrated its ability to lower production costs. I might state in connection that care must be taken in selecting equipment of this kind, as unless the machine fits the job in question it often has a negative effect on production costs. Well, so much for the production of it.

Our next problem was to grow a superior product. A careful survey of varieties, fertilizers and soil requirements resulted in improved quality of our vegetables.

Our next step was to take advantage of this high quality and get more for it. We found the city retailers were not so willing to pay for this extra quality as we had expected. They were continually trying to convince us that their trade did not appreciate the high quality sufficiently to pay the extra price. It finally occurred to me that if I established my own market at the farm that I could sell the consumer this high quality at the same price he would have to pay the city merchant and therein have my extra profit.

We accordingly built a roadside market with the result that we have been forced to rent more land to supply the demand and at the same time our vegetable business is self-contained. We also have absolute control of our product from the time it is planted until it is in the hands of the final purchaser. We have been offered a number of chances to take on a line of gasoline, oils, candy, ice cream, etc., but have pledged ourselves to sell only what we grow and grow what we sell.

In conclusion I might say that while this article deals primarily with a garden farm I am also of the opinion that a large number of farms could be made to increase the net income by a careful survey of productive costs.

There are a number of farm accounting systems on the market at present and every farmer should take advantage of them.

A SMILE OR TWO

SPEAK ENGLISH

"What is the charge for this battery?"
"One and a half volts."
"How much is that in American money?"

THINK OF THAT

Uncle Sol threw aside the letter he was reading and uttered an exclamation of impatience.

"Doggone!" he cried. "Why can't people be more explicit?"

"What's the matter, pa?" asked Aunt Sue.

"This letter from home," Uncle Sol answered, "says father fell out of the apple tree and broke a limb."

THE REAL TROUBLE

Young Clerk moodily: "And the worst of it is, she didn't say 'No', till I'd spent all my cash on her."

His Friend: "Never mind, old boy, there are as good fish in the sea as ever were caught."

Clerk: "Yes, but what's the good of that when you've used up all your bait?"

AND FILL THE RADIATOR

A dentist says that he had an absent-minded motorist in his chair the other day. "Will you take gas?" he asked.

"Yeah," replied the absent-minded patient, "and you'd better look at the oil, too."

KNEW THE ANIMAL

A teacher was instructing a class in English, and called on a small boy named Jimmy Brown.

"James," she said, "write on the board, 'Richard can ride the mule if he wants to.'"

"Now," continued the teacher when Jimmy had finished writing, "can you find a better form for that sentence?"

"Yes, ma'am, I think I can," was the prompt answer. "Richard can ride the mule if the mule wants him to."—Boy's Life.

NO ONE WAS INTERESTED

Rufe Johnson's pet hound disappeared. Rufe put the following ad in the paper:

Lost or Run Away—One liver-colored bird dog called Jim. Will show signs of hydrofobia in about three days.

The dog came home the following day.

OPPOSITES

"Now children," said the teacher, "tell me the opposite of the word misery."

"Happiness."

"And of sadness?"

"Gladness."

"And of woe?"

"Get-up!"

SITTING PRETTY

Bill Clerk: "Just one kiss, dear, would keep me happy for a week."

His Best Girl: "Wait a minute and I'll fix you up for life."

HER PRICE

A girl applied for a job as housemaid. "What do you charge a day?" asked her prospective employer.

"Well, mum," was the reply. "\$2 if I eat myself and \$1.75 if you eat me."

We like THE MICHIGAN BUSINESS FARMER just fine.—Wm. W. Redding, Oakland, County.



Barn-feeding ...need not rob you of Milk Profits,

*Here's help
for your cows
—when help
is demanded*

When such cow ailments as Barrenness, Retained Afterbirth, Abortion, Bunches, Scours, Lost Appetite, etc., threaten your profits, use Kow-Kare, as shown on each can. For thirty years this great regulator and remedy has been saving money for cow owners—bringing ailing cows promptly back to health. No dairy barn should be without this famous home remedy for disorders of milk cows. Thousands of dairymen find it the most dependable aid to cow health and profits.

This winter you can say good-bye to many of the production losses you've faced year after year. Kow-Kare will change these losses into profits for you. When you pay for your first can of Kow-Kare you can depend upon getting back two or three times this cost out of the milk pail.

The difference will be not so much in what you feed as in what happens after it is consumed. Few cows can assimilate and turn into milk all the dry rich feed they consume—without systematic conditioning. Kow-Kare keeps the digestion and milk-producing organs responsive. Heavy feeding is made safe—and profitable.

Feed a tablespoonful of Kow-Kare with the grain one or two weeks each month. Note the fuller milk pails, the better looking cows, the improved appetites. This conditioning costs only a few cents per month per cow. It's the biggest little investment you ever made. Try it on all your cows this winter.

When Cows Freshen

be sure to feed a tablespoonful of Kow-Kare in the feedings for two or three weeks before and after. You will call it the best health insurance you ever paid for. A better calf, a cow free from disorders so often arising at calving is worth spending many times what Kow-Kare will cost you.

Feed dealers, general stores and druggists have Kow-Kare. Large size \$1.25; 6 cans \$6.25; Small size 65c. If your dealer is not supplied we will mail, postpaid. Write for book, "More Milk from the Cows You Have."

Dairy Association Co., Inc.
Lyndonville, Vermont

KOW-KARE Regulates and Conditions

Home-Mix Your Own COMPLETE MINERAL

With Kow-Kare you can easily mix your own complete mineral at a surprisingly low cost—a mixture of recognized conditioning value. Simply mix 30 lbs. salt, 30 lbs. fine-ground lime, 30 lbs. steamed bone meal and four cans (large) Kow-Kare. For well under \$6 per hundred you will have an unbeatable mineral. Use 80 lbs. of this mixture to a ton of grain.



save 1/3 to 1/2

New FREE book quotes Reduced Factory Prices. 5-Year Guarantees. Bond on Stoves, Ranges, Furnaces. 200 styles and sizes. Beautiful porcelain enamel ranges and combination stoves and coal ranges. Mahogany porcelain enamel heating stoves. Cash or easy terms. 24-hr. shipments. 30-day free trial. 90-day test. Satisfaction guaranteed. 25 years in business. 650,000 customers. Write today for FREE book.

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Ranges



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

BURSAL ENLARGEMENTS

Absorbine reduces thickened, swollen tissues, curbs, filled tendons, soreness from bruises or strains. Stops spavin lameness. Does not blister, remove hair or lay up horse. \$2.50 at druggists, or postpaid. Valuable horse book 1-S free. Write for it today.

Read this: "Horse had large swelling just below knee. Now gone; has not reappeared. Horse good as ever. Have used Absorbine for years with great success."

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TRADE MARKED U.S. PAT. OFF.
W. F. YOUNG, Inc. 369 Lyman St., Springfield, Mass.

"THE FARM PAPER OF SERVICE"

That is our slogan. If you do not take advantage of this free service you are missing something.

The Business Farmer, Mt. Clemens, Mich.



For Every Job of HEALING

As every cow owner knows, any condition of udder or teats that gives the cow discomfort causes a holding back of the milk. Why, then, neglect even the smallest of these hurts? Why make the milking hard, the yield smaller?

For sore teats, teats cracked or chapped, stepped on, or injured in any way, just a dab of Bag Balm starts immediate healing. For caked bag, bunches, inflammation of any kind, this wonderful penetrating healing ointment insures a quick rebuilding of healthy normal tissues. Shorten the work of milking by keeping the teats soft, silky, pliable.

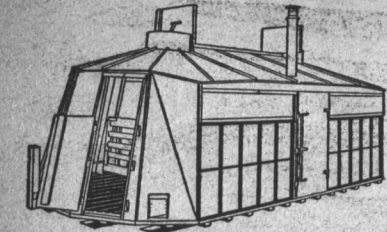
Bag Balm has scores of healing uses on the farm and in the home. Sanitary, clean, pleasant to use—cannot taint the milk. Big 10-ounce can only 60c—at feed dealers, general stores, druggists. Mailed postpaid if hard to obtain locally. Booklet "Dairy Wrinkles" free on request.

Dairy Association Co., Inc.
Lyndonville, Vermont



Ross HOG & SHEEP House

Farrowing — Lambing — All-Year Use



Near round ends, parallel sides, heavily reinforced for strength. Two central roof ventilators. Wood partitions regular equipment. Length 24 feet. Width 14 feet, entire area available for use.

Galvanized Metal—Strong—Easy erection—Roomy—Sanitary—Sunshiny. Four extra large pens, each with a two part door. Partitions widely adjustable and easily removable. Easily portable through 12 in. gate.

One entire side glass and glass fabric illuminated interior submerged in violet charged light. Canopied stove at side wall center—easily get-at-able—closest and warmest spaces protected for exclusive use of little pigs. High degree sanitation and safety against vermin and fire. Ross Houses insure more and healthier pigs and lambs.

Write for prices—Agents wanted.

The Ross Cutter & Silo Co., (Est. in 1850)
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Makers of Rossmetal Silos—Brooder Houses—Corn Cribes, etc.



Sold at all Drug Stores. Used the world over for generations. J. S. WELLS, Chemist, JERSEY CITY, N. J.

When Writing to Advertisers Please Mention The Business Farmer

DAIRY AND LIVESTOCK

(We invite you to contribute your experience in raising livestock to this department. Questions cheerfully answered.)

DISCOVER NEW TEST FOR CATTLE DISEASE

AN improved method in the diagnosis of Bangs disease in cattle, which has attracted widespread attention has been discovered by Dr. I. F. Huddleson of the Michigan State College bacteriology department, according to announcement recently.

The new method requires less than two minutes, while at least two days were required under the old method for determination of the disease by means of test of the blood samples from the animals.

Time saved in making the individual test may now be utilized in making additional determinations, and the studies of the disease and control methods can now be expanded.

Dr. Huddleson, who perfected the test, believes that the disease is the greatest handicap faced by the dairy industry at the present time. Apparently healthy animals can be carriers of the disease and transmit it to other animals in the herd. Since it has been perfected at the college, the test has been adopted by Wisconsin and is being used in disease research in that state.

1,062 POUNDS OF BUTTERFAT IN YEAR

NOT all the honors achieved at the University of Nebraska are scholastic or athletic. Out on the university farm in the dairy department examinations are conducted, honor classes maintained and cows are graduated magna cum laude. Le Vertex Quality, purebred Holstein of the University of Nebraska, is the latest honor "student." Her yearly examination, or test, just completed, credits her with having produced in 365 days 1,062.63 pounds of butterfat, or 1,328 pounds of butter and 27,465.5 pounds or more than thirteen tons of milk, an accomplishment which places her in the "Who's Who" of cowdom.

EWES TO ONE RAM

I desire to know what number of ewes a man should keep to one ram for best results. And under what terms or price does an owner let his ram out for service.—J. W., Lachine, Michigan.

FROM 30 to 40 ewes are as many as should be allowed to one good vigorous yearling ram. Occasionally a two year old is used with 40 or 50 ewes. It is always an excellent idea after one ram has been with a flock for five or six

weeks to make an exchange with a neighbor and put in a second ram as there will be a few ewes that do not conceive to the first ram and there is always a possibility that a ram will prove impotent. A large growthy ram lamb may be depended upon to serve 15 to 20 ewes. Where extreme care is taken, the buck turned with a flock for a short time each day and each ewe removed as soon as covered, one ram will handle almost an unlimited number of ewes. I have know of as many as 150 ewes being bred to one ram in a season where this method of breeding was followed. It, of course, requires considerable time and the ram must be especially well fed.

I know of no farm practise or terms under which rams are let out for service. This would depend altogether upon the value of the ram in question. It can only be figured that the ram is of use from four to five years. The yearly rental, therefore, should be somewhere between 20 and 25 per cent of the value of the ram.—Prof. Geo. A. Brown, Michigan State College.

LAW ON T. B. TESTING

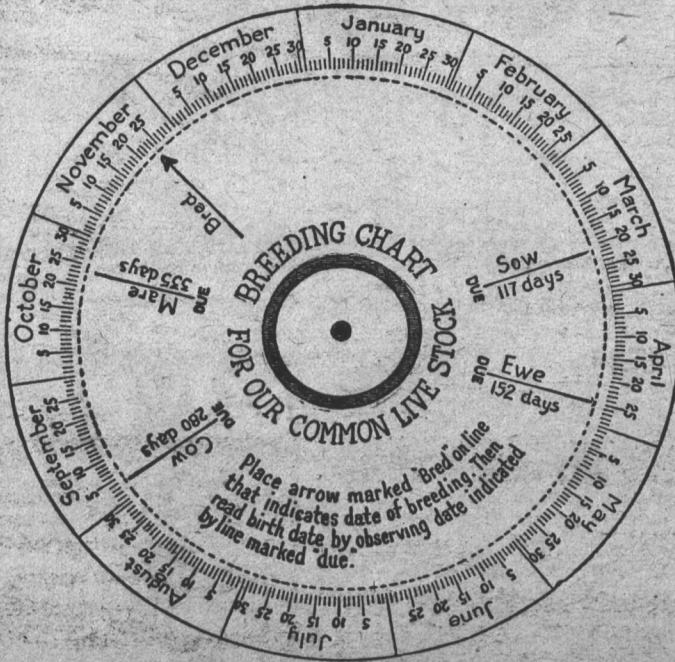
Is there a federal or state law compelling cow owners to have their cattle tested for so called tuberculosis, and has the state food inspector any power to act in the matter? —D. G., Jackson County.

THERE is a State law which specifies that when tuberculosis eradication work is underway in a county on the area basis, it shall be unlawful for any person who owns or controls cattle to prevent, hinder, obstruct or refuse to allow the test of such cattle.

The testing of the cattle is under the control of the State Department of Agriculture, working in co-operation with the Federal Bureau of Animal Industry.—B. J. Killham, State Veterinarian.

DAIRY COWS NEED CALCIUM AND PHOSPHORUS

RECENT experiments indicate that dairy cows in full flow of milk demand so much calcium and phosphorus that these minerals should be supplied in addition to the regular ration, when the ration does not contain an abundance of green forage in summer and plenty of well-cured hay in winter. Both minerals will be supplied in sufficient quantity by adding 2 to 4 pounds of steamed bone meal or ground rock to each 100 pounds of grain mixture.



GESTATION TABLE FOR LIVESTOCK BREEDERS

Here is an extremely valuable breeding chart for horses, cattle, sheep and swine that you should cut out for future use. Then cut on the dotted line with a sharp knife. Next paste the two pieces on two pieces of cardboard and fasten them in the center with a pin or anything so they will turn freely. Directions on how to use appear on the chart. It is through the courtesy of American Agriculturist that we publish this. Also M. B. F. has a valuable calendar on gestation periods in farm stock which will be sent free to all requesting it. It is a mighty handy thing to have for reference and can be posted in a conspicuous place in the barn.

ENGINES

Send for my new chart
... "How to Select Your Engine."
Avoid mistakes
and disappointments by getting
proper SIZE and H-P. for your
work. My 58 years engine building
experience is yours for the asking.

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50 new features now place the WITTE Engine head and shoulders above all others. Alloy steel construction... All fuel carburetor uses cheap fuels. All parts interchangeable. Removable die-cast bearings. Hot spot cylinder head. Center fire. WICO Magneto. Send name at once, ED. H. WITTE, Pres.

WITTE ENGINE WORKS

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2751 Liberty Ave., Pittsburgh, Pa.

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GAS OIL DISTILLATE
OR GAS

BREEDERS' DIRECTORY

Ads under this heading 30c per agate line for 4 lines or more. \$1.00 per insertion for 3 lines or less. ::

CLAIM YOUR SALE DATE

To avoid conflicting dates we will without cost, list the date of any live stock sale in Michigan. If you are considering a sale advise us at once and we will claim the date for you. Address Live Stock Editor, M. B. F., Mt. Clemens.

CATTLE

HOLSTEINS

Opportunity

A son of Echo Sylvia King Model. Born September 8, 1926, and evenly marked.

His dam is Reformatory Banostine Clothilde At 3 years 5 months:

Butter, 7 days, 23.61, Milk, 549.6

Butter, 365 days, 860.29 Milk, 19376.7

The sons of this famous bull are making good in many herds throughout the country. We have only a few more to offer. Here is a real opportunity.

Send for pedigree of Tag No. 480.

Michigan State Herd

BUREAU OF ANIMAL INDUSTRY

Dept. E.

Lansing, Michigan

HOLSTEIN BULL CALF, 1 MO. OLD. DAM, a daughter of 778 lb. fat year record cow, average test 3.8%, \$75.00 delivered. Bulls for spring service, \$100.00 up. DEWEY C. PIERSON, Metamora, Mich.

HEREFORDS

Stockers and Feeders

CALVES, YEARLINGS AND TWOS: HEREFORD STEERS AND HEIFERS

Beef type, dark reds, good grass flesh, most all bunches dehorned, each bunch even in size and show good breeding. Choice Herefords are usually market toppers when finished. Few bunches of B. Tested. Will sell your choice from any bunch. State number and weight you prefer. 450 to 1000 lbs. V. V. BALDWIN, Eldon, Wapello Co., Iowa.

GUERNSEYS

GUERNSEY DAIRY CALVES, BOTH SEXES, practically pure bred. Shipped C. O. D. LAKEWOOD FARMS, Whitewater, Wis.

SHORTHORNS

FOR SALE PUREBRED POLLED SHORTHORN Bulls and Heifers. Excellent quality. Prices reasonable. Geo. E. Burdick, Manager Branch County Farm, Coldwater, Michigan.

SWINE

REGISTERED HAMPSHIRE SPRING BOARS FOR SALE AT A BARGAIN. JOHN W. SNYDER, St. Johns, Mich., R. 4

REGISTERED HAMPSHIRE SPRING BOARS ready for service, best of breeding stock sold on approval. W. A. Hall & Sons, Mason, Mich.

REGISTERED DUDCO JERSEY PIGS FOR sale, July farrow. Either sex, \$15 each F. O. B. Millersburg. Dewey Hartley, Millersburg, Mich.

LARGE TYPE O. I. C. BOARS READY FOR service. Bred Sows and Sept. pigs, Reg. free. GLENWOOD FARM, Zeeland, Mich.

PURE BRED O. I. C. SERVICE BOARS AND open gilts for sale. J. R. VAN ETTEN, Clifford, Michigan

HORSES

FISTULA-HORSES CURED, \$5.00. SEND NO MONEY until cured. OGAN CHEMICAL CO., Barre, Kansas

VETERINARY DEPARTMENT

Edited by DR. GEO. H. CONN

(Questions gladly answered free for paid-up subscribers. You receive a personal letter.)

LEAKING MILK

What can be done to my cow to keep her from leaking her milk?—O. G. S., Paw Paw, Mich.

THIS is a result of weak muscles at the end of the teat. The only thing that can be done is to milk the cow more often. There is no practical way of overcoming this. I wish there was as I get many requests for information concerning this very thing.

BITTER MILK

I have a 10 year old Jersey cow that gives bitter milk about five months before she is due fresh, and keeps it up until fresh. The cream will not make butter. Can you please tell me what to do for this cow that might remedy this?—W. C., Michigan.

BITTER milk usually results from something the cows eats; it rarely occurs from anything within the cow that did not get there by eating. It maybe that your hay or other roughage may have some bitter weeds or grasses in. If not then the only thing that you could do would be to get rid of her as there is no medicinal treatment for such a thing as this.

LAME AFTER SHORT REST

I bought a thirteen year old mare warranted sound. I didn't use her much for several weeks. Now when I use her three or four days in succession she is stiff on front legs always after resting even twenty minutes, but lameness is gone after walking for a minute or two. She is never stiff or lame after resting or standing in barn for several days but comes out of the barn as limber as

could be desired. Am not sure but the heels of hoofs show some heat. At least they feel warmer than those of the other horse. She was shod on front feet five weeks ago and he didn't notice any corns. Kindly advise me if you can. We are handicapped for a veterinarian at present, the nearest one living twenty-one miles away.—E. E. S., Manistee, Mich.

HAVE seen a number of horses of this kind and there is little that you can do about it. If the seller meant workably sound you could do nothing about it and if she works well it would not be well to get in any trouble over it. Careful work for a few days in the spring with attention to her feeding and to her feet will help her and prevent her showing this in an aggravated form.

COW HAS COUGH

I am writing to you again about our cow. She has a little cough. She does not cough all the time; more in the morning, especially after she has had her grain. She has it all summer. She had the cough earlier in the spring but thought she would get over it when turned out to pasture. She has a good appetite and is in very good flesh although not as fat as she was earlier in the fall.—A. S., Chase, Mich.

IHAVE seen horses and cows that have had a chronic cough for years that did not seem to do them any injury. I would suggest that you give this cow for 30 days a tablespoonful of liquor potassii arsenitis on the feed night and morning. Get some ammonia liniment and bathe her throat well once each day.

OUR RADIO

By B. K. OSBORN

(Any question regarding radio will be gladly answered by our radio editor. You receive a personal letter and there is no charge if your subscription is paid up.)

SALISBURY TEMPORARY HEAD OF RADIO SERVICE

MORSE SALISBURY, now editor of the press bureau of the University of Wisconsin, has been appointed temporarily as chief of the radio service, United States Department of Agriculture, pending a new examination and certification of eligibles from it. Mr. Salisbury will take up his duties sometime in January.

The position has been vacant for some months, since the resignation of Sam Pickard to become secretary, and later a member, of the Federal Radio Commission. Mr. Pickard was the first incumbent of the office.

"B" POWER

SEVERAL of our readers have recently asked us whether we recommend the use of storage "B" batteries and whether some particular make is reliable. The answer is that although a well cared for storage "B" battery is probably the most reliable source of "B" power for a radio set, we do not usually recommend it because it requires more care and attention than other power sources. Dry "B" batteries have an average life of longer than six months and must be discarded when exhausted. Their voltage falls gradually during use, so that the volume and quality of the radio reproduction may be much poor after the batteries have been in use a few months than when they were new. Storage "B" batteries must be recharged about once a month and normally will last three or four years if properly cared for. If charged at regular intervals they will maintain their rated voltage and the radio set will perform efficiently at all times. The trouble is that most radio users find it very troublesome to remember to charge and add water to the storage "B" battery at regular intervals. Unless there is a handy man around the house who really like to putter

with such things, we do not recommend it.

Whenever 110 volt alternating current power is available, a socket power or so called "B-eliminator" is by far the best solution of the "B" power problem. Any of the socket powers built by the leading manufacturers or sold by the large mail order houses are reliable. The original cost is two or three times that of a set of dry "B" batteries, but the unlimited life of the socket power makes it the cheapest in the long run. The rectifying tube is the only part of the socket power which wears out and it has an average life of over a year and costs only a few dollars to replace.

COULD NOT INTERFERE

We are using a crystal set and our neighbors are complaining that it is bothering their sets. Can this be possible?—H. T., Atkins, Mich.

IT is impossible that your crystal set could interfere with the operation of your neighbors' radios. Interference may be caused by certain types of vacuum tube sets which radiate small amounts of power at radio frequencies, but since your crystal set contains no batteries or other source of power, it is impossible that it could cause such disturbance. You may rest with a clear conscience!

Fifty-nine years ago, when Holsteins were not as numerous as they are today and when nobody had heard of a cow-testing association, Gerrit Miller of Peterboro, New York, now owner of the oldest Holstein herd in the United States and himself the oldest Holstein breeder was making cows yield two quarts of milk for every one they gave before.

A NEW OIL LAMP FREE Burns 94% Air

H. P. Johnson, 609 W. Lake St., Chicago, Ill., the inventor of a wonderful new oil lamp that burns 94% air and beats gas or electricity, is offering to give one free to the first user in each locality who will help introduce it. Write him for particulars. Agents wanted.—(Adv.)



Illustration above shows a group of people attending a De Laval and Dairy Day arranged by a De Laval Agent in Arkansas. One feature of this meeting was a "skimming the skim-milk" demonstration. Hundreds of similar meetings were held by De Laval Agents during the past year.

Tests Prove Many Old Separators Are Losing Valuable Butter-Fat

IN ORDER to show exactly how much money is being lost by poor separators De Laval Agents in 17 states during the past year held hundreds of public tests, in which the skim-milk from some separator in each community was run through a new De Laval and separated again.

In all these tests De Laval Separators never failed to recover butter-fat from such skim-milk. The butter-fat recovered in this way was immediately weighed and tested at the local creamery or cream station, and varied in value from a few cents to over a dollar.

The average results from all the tests showed that the separators from which De Laval's skimmed the skim-milk were losing butter-fat at the rate of \$78.00 a year.

More than 50,000 people attended these demonstrations and many of them were amazed at the separating losses revealed and asked for tests to be made on their own separators.

In view of the fact that no effort was made to secure skim-milk from the poorest separator in each community, and that the tests were conducted

under the observation of disinterested people entirely in the open and above board, they reveal a general condition.

It has been conservatively estimated that 25% of all separators in use today are wasting large amounts of butter-fat—enough to pay for a new De Laval in a short time. Is your separator in this class? To make sure it isn't, try a new De Laval.

Trade In Your Old Separator on A New De Laval

The new De Laval's are the best separators ever made—they skim cleaner, run easier, are more convenient to operate and last longer than any others. They have many new features you will appreciate. Liberal trade allowances on old separators of any age or make made on new De Laval's, which are also sold on easy terms or installments. See your De Laval Agent or send coupon for full information.

MAIL COUPON

THE DE LAVAL SEPARATOR CO., Dept. 4522
165 Broadway, New York
600 Jackson Blvd., Chicago
61 Beale St., San Francisco

Please send me, without obligation, full information on { Separator ☐
 { Milker ☐
 { check which

Name.....
Town.....
State..... R.F.D. No. Cows.....

De Laval Cream Separators and Milkers

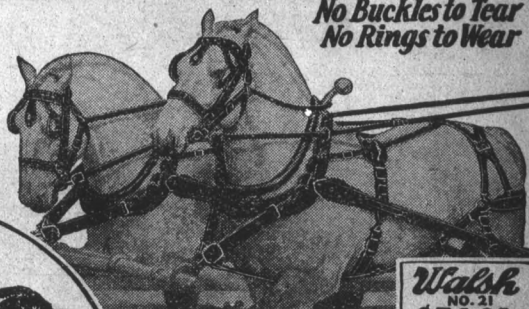
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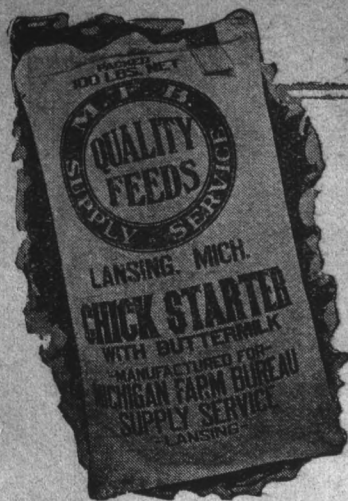
Appreciative of the manner in which farmers of America have received my harness, thereby compelling large additions to my factories, I wish to give every farmer a fine calendar. It is a beautiful work of art in three colors, and I gladly send it free upon receipt of the coupon. If you desire my big harness catalog, check it also. Use the coupon. Write today. Wishing you a prosperous 1928.

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A new kind of harness of amazing strength. Will outwear two sets of buckle harness. Made without buckles to tear straps or rings to wear straps, and with Walsh metal-protected bearings, giving triple strength and life-lasting wear at over 275 points where ordinary harness wears out. Improved hames; a harness easy to adjust; easy to put on or take off. Try 30 days at my risk. Ship back at my expense if not the best harness you ever saw at any price. Post yourself at my risk. I'll show you how to put an end to harness bills. Write for catalog.

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City.....
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Feeding the Baby Chicks

NATURE provides sufficient food for the first three days, for the chick absorbs the yolk of the egg just before it is hatched. This food is rich in fats and carbohydrates. From the third day to the sixth week, Michigan Chick Starter assists nature by giving the chicks a similar feed that is easily seen, easily digested and nutritious. Michigan Chick Starter is rich in vitamin content, balanced with the necessary cereal and animal proteins to give the highest feeding efficiency. Michigan Chick Starter is not waste material from the mill. It is based on the latest scientific formula for baby chick feeding. Ask for a pamphlet of our poultry feeds containing valuable feeding suggestions.

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High Blood Pressure Is Dangerous



Ward off this dangerous disease by keeping a pure "blood stream," and assist nature in eliminating impurities from the blood, by the use of remedies, compounded from pure fresh roots, herbs, barks and plants.

BANK'S "NEW DISCOVER-EE"

Is a pleasant laxative for the bowels, enlarged or ulcered liver, rheumatism. Aides the circulation, helps to ward off paralysis, acid and anemia, loss of appetite. Relieves biliousness, aids to build up a run-down constitution. Can be taken along with Banks' "Five-In-One", a tonic and nerve food. For "Neuritis", "Palpitation of the Heart", "Insomnia" and nervous prostration. Prices: New Discover-ee, per box, \$1.50; Five-In-One, per bottle, \$3.50. By mail add 15c.

Manufactured and Sold by

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120 W. Shiawassee St. Dept. M. B. F. Lansing, Michigan

Cured His Rupture

I was badly ruptured while lifting a trunk several years ago. Doctors said my only hope of cure was an operation. Trusses did me no good. Finally I got hold of something that quickly and completely cured me. Years have passed and the rupture has never returned, although I am doing hard work as a carpenter. There was no operation, no lost time, no trouble. I have nothing to sell, but will give full information about how you may find a complete cure without operation, if you write to me, Eugene M. Pullen, carpenter, 133A Marcellus Avenue, Manassquan, N. J. Better cut out this notice and show it to any others who are ruptured—you may save a life or at least stop the misery of rupture and the worry and danger of an operation.—(Adv.)



ASTHMA STOPPED
OR NO PAY!
I will send any sufferer a \$1.25 bottle of Lane's Treatment by mail on FREE TRIAL. If it satisfies send me \$1.25. If not your report cancels charge. Address D. J. Lane, 854 Lane Bldg., St. Marys, Kansas

ECZEMA CAN BE CURED Free Proof To You



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DRUGGIST

All I want is your name and address so I can send you a free trial treatment. I want you just to try this treatment—that's all—just try it. That's my only argument.

I've been in the Retail Drug Business for 20 years. I served four years as a member of the Indiana State Board of Pharmacy and five years as President of the Retail Druggists' Association. Nearly everyone in Fort Wayne knows me and knows about my successful treatment. Over Forty Thousand Men, Women and Children outside of Fort Wayne, have, according to their own statements, been cured by this treatment since I first made this offer public.

If you have Eczema, Itch, Salt Rheum, Tetter—never mind how bad—my treatment has cured the worst cases I ever saw—give me a chance to prove my claim. Send me your name and address on the coupon below and get the trial treatment I want to send you FREE. The wonders accomplished in your own case will be proof.

CUT AND MAIL TODAY

J. C. HUTZELL, Druggist, No. 5466 West Main St., Fort Wayne, Ind.

Please send without cost or obligation to me your Free Proof Treatment

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Post Office _____ State _____

Street and No. _____

Potato Train Highly Successful

(Continued from page 3)

along to compete for the sweepstake prize. Robert Norddurt of Dowagiac, a Potato Club member, won sweepstakes and the New York Central Lines Trophy for the best peck on the entire tour. James Meeks, son of our own L. W. Meeks, of Broadscope Farm, Hillsdale, was second.

One of the educational exhibits put on by the Michigan State College showed the value of certified seed in producing a high yield and good quality crop. A forty bushel increase per acre was the result of the use of this good seed as shown by the results of 600 demonstrations put out from potato trains last spring. The net results of this seed to growers, ran from \$30.00 to \$45.00 per acre.

Proper grading of potatoes was told by another exhibit put on by the State Department of Agriculture illustrating the Standard Grades of Michigan. 183 growers tried out their hand at grading according to these standards in a special grading contest. In this contest growers graded 75 pounds of potatoes into U. S. No. 1, U. S. No. 2 and Culls.

A third exhibit put on by the Home Economics Department of the Michigan State College showed the value of potatoes in the diet. That potatoes are low in calories and consequently not fattening is good news to many a worried "heavy," this being clearly brought out in exhibit.

Orders for seven carloads of certified seed next year were taken.

Three Rivers held the record for attendance with 300, and was second in its entries with 42. Hillsdale was first in entries with 49, and second in attendance with 260.

Premium money in each county was made possible by banks, farm bureaus, chambers of commerce, boards of supervisors, and cooperative associations, as well as the State Department of Agriculture and the Potato Growers Exchange.

MICHIGAN LEADS IN ALFALFA

MICHIGAN won first place among the States east of the Mississippi in an interstate contest to determine the extent and results of the program for the increase of alfalfa acreage within their borders, according to a report made by judges selected from the U. S. Department of Agriculture.

Michigan also now holds first rank in total alfalfa acreage in this group of States. The greater part of this acreage has been planted within the past few years as farmers became convinced of the value of alfalfa for improving soils and feeding livestock.

Chatting With the Agricultural Teacher

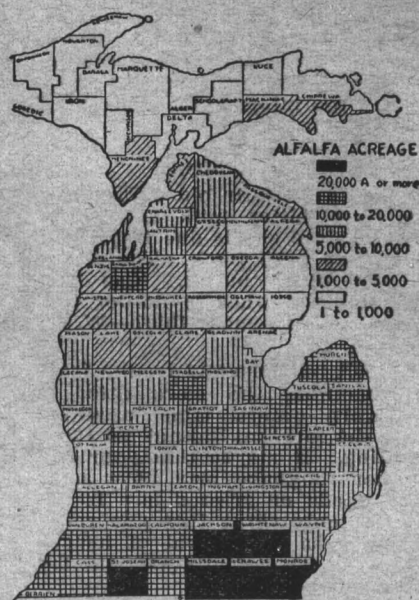
(Continued from page 6)

farm meeting. I asked, "Of all the factors involved in farming which do you consider most important on your farm?" One fellow, a dairy farmer, exclaimed "My cattle." Another farmer mentioned his poultry. Another man said "My boy and girl are the most important factors of my farm" and when we think it over we will all agree with him. There is nothing more important or closer to a father and mother, whether they be farmers, merchants, or of any other profession, than are the children in the family. If this is true we ought to see that they have a proper education, good schools, trained teachers, and the proper kind of educational equipment to train them in order that they become the future citizens of this state and country with a real purpose in life. Think this over and take a little time off to become acquainted with the teachers and the schools in your community.

I would especially advise the farmer to become acquainted with the agricultural teacher in his community High School. I am personally acquainted with the 166 agricultural teachers of Michigan and can say that they are a fine bunch of fellows. All of them are graduates from an Agricultural College, and all have actual farm experience. Many of them own farms and run them in connection with their teaching in the high

school. They are always pleased to meet the farmers in their community and aid them on farm problems of any kind. Some of the most pleasant hours I spend in educational work are those hours I spend in talking to the farmers of the community who come into my agricultural laboratory and discuss present agricultural trends and practices. I am especially fortunate in these visits as there are some very high caliber farmers in this locality. Mr. A. B. Cook, James McBride, Winegar & Son, and many other of the good farmers of Michigan live on farms in the fertile Shiawassee Valley near Owosso. Men of this caliber and good schools in a community go a long way toward making a happy life on the farm.

Just yesterday a farmer came into my laboratory and asked me if I would test the milk from each of his cows. He had seven head of cattle and only had room for six head this winter. As they gave about the same number of pounds of milk per year he wished to sell the poorest tester. I had some of my students test the milk samples and found that they varied from 3 per cent to 4.2 per cent in butter fat. Naturally it paid the farmer to sell the cow testing 3 per cent in butter fat. This is only one of the small favors which your agricultural instructor in your community will do for you.



MICHIGAN'S ALFALFA ACREAGE

Michigan has the largest alfalfa acreage of any state east of the Mississippi. The map shows how the acreage is distributed about the State.

a prize of a two week trip through the Uintah Basin, an alfalfa seed producing area in Idaho, as a result of the interstate contest.

Sanilac county made the greatest increase of any Michigan county in the number of acres of alfalfa sown during the past year. Kalamazoo and Missaukee counties also made notable additions to the area planted to this crop within their borders.

Let me say a farm paper like yours is hard to beat.—Mrs. Fred Berlin, Midland, County.

We are readers of M. B. F. and all enjoy it very much.—Mr. and Mrs. Geo. Swartzendruber, Huron County.

I do not want to miss a single copy. I could hardly get along without it. Everybody from the five-year-old up wants the paper first.—O. A. L., Newberry, Mich.

We like M. B. F. better every time it comes. The boys find it very useful in their high school work in such studies as animal husbandry, agriculture, and horticulture.—Mrs. N. S., Cass City, Mich.

COUNTY CROP REPORTS

Saginaw (S. E.).—We are having some fine winter weather, not very cold and no snow on the ground. A few auction sales. Stock bringing good prices. Hogs very low in price and not wanted. Not much grain going to market. Farmers busy getting out their winter's supply of wood; others doing only chores. Taxes are still higher this year; about time we changed our administration again. Quotations at Birch Run: Wheat, \$1.20 bu.; corn, 80c bu.; oats, 51c bu.; rye, \$1.00 bu.; butter, 53c lb.; eggs, 43c doz.—E. C. M., Dec. 23.

Mason.—Little movement of any kind of produce. Poultry weak. Taxes 1/4 higher than last year. Quotations at Scottville: Wheat, \$1.13 bu.; oats, 50c bu.; beans, \$4.75 cwt.; potatoes, \$1.10 bu.; butterfat, 53c lb.; eggs, 40@50c doz.—G. P. D., Dec. 24.

Genesee.—The weather has been good the past week for outside work. Farmers working at wood and drawing manure. Some lambs are being marketed. Potatoes are not being sold. Price remains about the same as it has all fall, very little change. A few farmers are selling the ash in their woodlots to a company in Ohio which uses the wood for making pork barrels. Quotations at Flint: Wheat, \$1.21 bu.; corn, 95c bu.; oats, 50c bu.; rye, 90c bu.; beans, \$5.00 cwt.; potatoes, \$2.15 cwt.; butter, 53c lb.; eggs, 50c doz.—H. E. S., Dec. 28.

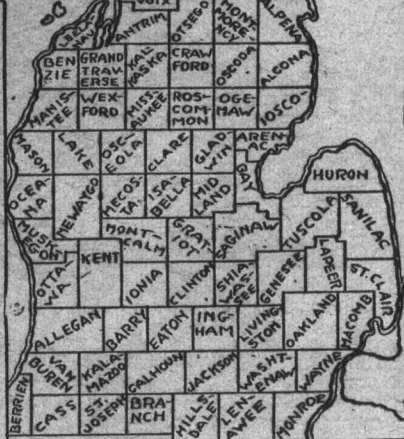
Huron (E.).—Cold wave; snow flurries. Very little activity on farms. Each succeeding year less help is employed by month, season, or year by farmers. Hog prices are discouraging. Taxes about \$3.00 per thousand higher on average. Several sales billed. Farmers generally believe an export bounty should be paid as long as import duty is collected on staples of agriculture. Much land fall fitted for small grains. Not many talking sugar beets, but the weather is the final arbiter in choice of crop planted on our level land. Quotations at Bad Axe: Beans, \$5.15 cwt.; milk, \$2.10 net.—E. R., Dec. 19.

Montcalm.—Ground covered with snow, very cold. In the last report potatoes should have been \$1.20 per cwt., not per bu.—we surely wish they were. Christmas brought many a sigh. Farmers busy shoveling coal and doing chores. Quotations at Stanton: Beans, \$5.00 cwt.; potatoes, \$1.10 cwt.; butter, 50c lb.; eggs, 50c doz.—Mrs. C. T., Dec. 19.

Midland.—We have had no weather for some time, but lots of wind. Not many auction sales. Too cold to hunt and no pleasure in driving. We are simply waiting for the "red, red robin to come bob-bob-bobbing along." Quotations at Midland: Wheat, \$1.21 bu.; corn, 80c bu.; oats, 51c bu.; rye, 96c bu.; beans, \$5.15 cwt.; potatoes, \$1.00 bu.; butter, 49c lb.; eggs, 50c doz.—B. V. C., Dec. 19.

St. Joseph.—Regular winter weather now and farmers are not doing much. Butchering is in full swing. Lots of corn in the shock yet. Shredders are standing still most of the time. Most of the hogs are on the market. Fall crops look good. Stock is doing well as farmers have a good supply of feed.—A. J. Y., Dec. 19.

Missaukee.—Quite cold lately and a little snow. Stock doing well. Farmers are hauling wood and coal. A few sales lately. Dairy cows and heifers are bringing around \$80 to \$150. Most everybody has enough roughage, but some short of grain. Dirt roads are rough but gravel roads are in fine shape.—J. H., Dec. 20.



Berrien (N.).—The second cold wave of the season was not as severe as the first. Minimum temperature 10 degrees above. Plenty of snow in orchards. Not much pruning done yet.—H. N., Dec. 20.

Shiawassee (N. W.).—No snow here yet. Wheat looking very brown. Many shy of feed for cows, especially alfalfa. Hogs getting scarce, have been rushed into market at the low price. Lots of sows being fattened for market. Farmers all wishing they could see the great wave of prosperity as reported in all the city papers. Quotations at Elsie: Corn, \$1.00 bu.; oats, 50c bu.; beans, \$5.00 cwt.; butter, 50c lb.; eggs, 48c doz.—G. L. F., Dec. 22.

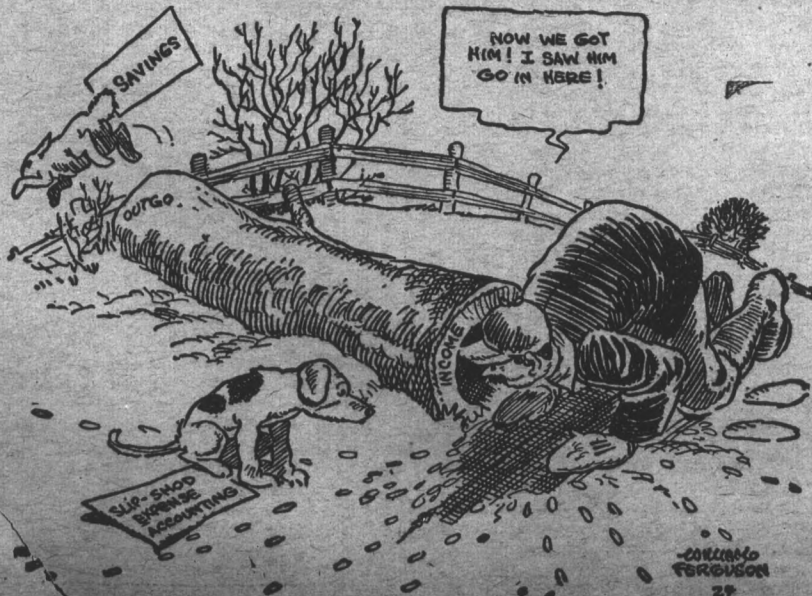
Saginaw (N. W.).—Froze up solid. There were a lot of beans going to market when the price was \$5.25, but when they dropped farmers quit hauling. Not much doing only chores. Some corn to shred yet. There will be a lot of rough feed for stock this winter. Not much stock feeding this winter; grain too scarce. Not many auction sales. Taxes are high. Hogs low in price but high on the block. Quotations at Hemlock: Wheat, \$1.20 bu.; corn, 90c bu.; oats, 52c bu.; rye, 80c bu.; beans, \$5.00 cwt.; butter, 50c lb.; eggs, 39@44c doz.—F. D., Dec. 19.

W. Lenawee.—Have had three floods in three weeks. Always turns colder after rain. Some trying to husk corn, but slow business. Lots of men out of work. Farmers have not much to sell but milk. Taxes the highest they have been in years. State tax commission boosted whole county. This will be the hardest winter for all classes of people. Coal moving freely. Quotations at Cadmus: Wheat, \$1.26 bu.; corn, \$1.00@1.10 cwt.; oats, 44@51c bu.; butter, 51c lb.; eggs, 40c doz.—C. B., Dec. 19.

Hillsdale (N. W.).—Not much to report. Have been having some quite cold blustering weather lately. Quite sudden changes in temperature the past two weeks, one day being quite mild and the next just the opposite. Farmers not doing much except chores and feeding the fies. Hens not laying very well yet.—C. H., Dec. 20.

Defiance, Ohio.—Cold, fine winter weather. No snow but cloudy. Wheat is brown, needs a Christmas coat. Young clover the same. Some corn being shredded. Not much going to market. Hogs and sheep about all shipped. Not many cattle being fed. Milk cows go from \$75 to \$150, T. B. tested and full bloods. No demand for horses so far. Roads are good. Health the same. Quotations at Bryan, O.: Wheat, \$1.28 bu.; corn, 80c cwt.; oats, 50c bu.; hogs, 8c lb.; milk, \$2.25 cwt.; veals, 14c lb.; eggs, 38c doz.—W. E. B., Dec. 26.

WHERE A GOOD DOG WOULD HAVE COME IN HANDY



Include

Linseed MEAL

The Universal Protein Feed

In Your Winter Rations

for highest profits
per cow

PRACTICAL RATIONS FOR BARN FEEDING

No. 1 — with clover or alfalfa hay and corn silage.

Ground Corn, or Hominy, or Barley 300 lbs.
Ground Oats 300 lbs.
Wheat Bran 300 lbs.
Linseed Meal 200 lbs.

No. 2 — with timothy, bluegrass, or prairie hay and corn silage.

Ground Corn, Hominy or Barley 200 lbs.
Ground Oats 200 lbs.
Wheat Bran 200 lbs.
Linseed Meal 400 lbs.

Feed 1 lb. per day to each 3 or 4 lbs. of milk.

Send for this big free book, containing latest feeding methods for high production in winter. Also rations for beef cattle, swine, sheep.

Mail the coupon.



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Send free booklet No. BB-1, "How to Make Money Feeding Linseed Meal."

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Why Not Get Your Share of Dairy Profits NOW?

Government figures show average profits per cow more than doubled in the last 15 years. Better feeding and breeding helped. Better care and housing helped still more. Star Stalls, Pens, Water Bowls and Carriers increase profits for thousands of dairymen by cutting costs and raising milk yields.

They prevent dirt, dampness, waste, accidents and diseases that wipe out profits. They save steps, time, feed and labor.

They give the cow safety, cleanliness, comfort and health—fresh air, light and a fresh drink when she wants it; she can't help giving more milk at a lower cost.

Why not plan now to make your barn a real money maker? Get this 192-page book that shows how and why to do it with

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☐ Equip ☐ Hen House

Name

Address

Send floor sketch for free blue-print.

Always look for the Red Brand (top wire)

SHEEP and SOY BEANS

J. L. Fleschner, Allenville, Illinois, plants 2 or 3 soy beans in each hill of corn. A carload of Fall lambs get fat on the beans, lower blades of corn and stray weeds.

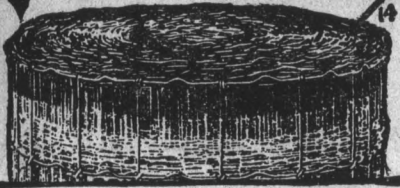
Soy beans planted with corn and rye drilled between the corn rows gives R. V. Disharoon, Villa Ridge, Mo., a live stock profit out of his corn field.

RED BRAND FENCE

"Galvanized"—Copper Bearing makes extra profits possible for many years to come. More than this, it keeps the children on the farm. "For what boy or girl will learn to love the farm if they are continually worn out running after breechy stock or chasing neighbors' pigs?" asks Mrs. Grace Frey, Abilene, Kansas. Fence for greater profits with RED BRAND. Copper in the steel keeps long life in; extra heavy zinc "galvanized" coating keeps rust out; picket-like stay wires, wavy line wires, can't slip knots help keep it straight, trim, hog-tight, bull-proof.

KEYSTONE STEEL & WIRE CO.
4814 INDUSTRIAL ST., PEORIA, ILL.

What has been your experience with or without good fence? We will pay \$5.00 or more for each letter that we use. Write for details, catalog and 3 interesting booklets that tell how others have made more money with hog-tight fence.



Asthma So Bad She Was Hopeless

Expected to Die. Got Well Quickly. No Sign of Asthma Now.

Folks whose asthma or bronchial cough seems to be getting the best of them, will be glad to know how Mrs. M. Bennett, 128 N. Noble St., Indianapolis, Ind., regained health. She writes:

"I suffered with asthma for years. Three years ago, I caught the flu, and my asthma became so bad I was hopeless. I coughed and choked so I could hardly breathe, and thought my time had come. My daughter read about Nacor and got a bottle. I didn't see any use trying it, but I did, and improved almost at once. In all, I took 3 bottles. I recovered entirely and have never had a sign of asthma since. I am 63 years old and feeling just fine."

Hundreds of other sufferers have reported their complete recovery from asthma and bronchial coughs. Their letters, telling how their trouble left and never returned, will gladly be sent free by Nacor Medicine Co., 590 State Life Bldg., Indianapolis, Ind., together with a booklet of valuable information about these diseases. No matter how serious your case, write for this free information. It has guided thousands back to health.—(Adv.)

ROSS METAL GALVANIZED **ROSS BROODER HOUSE**
PREVENTS LOSSES

Near round—no corners for crowding—rat and vermin proof. New exclusive idea in cross ventilation. Combination ventilator and fine glass windows. Diameter 12 feet. Capacity 500 chicks. Built sectional—easily enlarged. Buy Now—Pay Later—Write Today.

ROSS CUTLER & SICO CO., 313 Warden St., Springfield, Mass. Metal Siles—Cutters—Crib—Bins—Hog Houses—Mills—Garages.

POULTRY TRIBUNE
More Egg Money
Make \$1,000 a year from 300 hens. Get eggs when prices are high. Raise chickens the Poultry Tribune way. New methods of feeding, housing, marketing, etc., that you can use. Practical articles every month by successful poultrymen. Free breed pictures in natural colors. 3 yrs., \$1. 1 yr., 50c; 3 month trial 10c.

POULTRY TRIBUNE
Box 51-G Mount Morris, Illinois

BETTER Brooder House
BUILT and **SCRATCH SHED**

Warm, dry, "housed Sunshine." Scientifically constructed of best materials. Shipped in sections. All hardware, everything included. Made in 3 sizes. Price \$29.50 up. Many bargains. Write for our poultry catalog today.

IOWA MFG. CO., **ALL-IN-ONE**
Street, Sac City, Iowa

MICHIGAN BUSINESS FARMER
"The Farm Paper of Service"
TELL YOUR FRIENDS ABOUT IT

RULES GOVERNING OUR REWARDS

ONE Thousand Dollars in rewards of \$50 each is hereby offered by The Michigan Business Farmer for the arrest and successful prosecution of poultry thieves. These rewards will be paid on the following basis:

1. For information or arrest leading to the conviction of any thief or thieves of chickens, ducks, geese, turkeys or guinea fowl, from the premises of a member of The Michigan Business Farmer Service and Protective Bureau, living in Michigan whose subscription to The Michigan Business Farmer is paid-in-advance at the time of the robbery.
2. The sheriff must be notified as soon as possible after the robbery is discovered, and full details of the theft must be mailed to The Michigan Business Farmer within five days after its occurrence.
3. The amount of the reward in each case shall be Fifty Dollars (\$50) and shall be paid only upon the undisputed conviction and sentence to jail or prison of the offender. Sentence must be served.
4. Only one reward will be paid in each case.
5. The reward in each case will be paid to the one who is principally responsible for the arrest and conviction of the law violator. This includes State and County police officers. In case of dispute as to who is entitled to the reward, the county prosecuting attorney shall make the decision.
6. The Michigan Business Farmer must be notified in advance of the date of the trial of the accused.
7. This offer is limited to the payment of twenty rewards of Fifty Dollars (\$50) each, One Thousand Dollars (\$1,000) total reward.
8. This offer applies to crimes committed after September 25th, 1926, and continues in effect until notice is published in The Michigan Business Farmer to the contrary.

We have also posted \$500 which we are paying out in rewards of \$25 each to any person giving such information that will lead to the arrest and conviction of any person guilty of stealing horses, cows, sheep, hogs, grains, fruits or farm implements, including tractors, but not automobiles or trucks—value of stolen property \$10.00 or more, providing property is stolen from a paid-up subscriber to The Business Farmer. The rules governing the poultry thief rewards also apply to rewards to be paid for other thefts.

The Farm Thief Must Go

(Continued from Page 4)

the manufacturer and see just how the marker is made. As a result of this trip we can offer our subscribers a tattoo marker that we believe has everything else along this line backed off the map for only \$1.50 each. At that price we are not making a cent as it is just what they cost us. The Business Farmer Poultry Marker comes with enough special prepared ink to mark 100 birds and complete directions on how to do the marking accompanies it. Additional supplies of ink can be bought from us at cost.

Each subscriber who purchases one of these markers will receive a different mark. The first one will have registration number "MBF 1," the letters being on one line and the figure below. The second one will get "MBF 2," and so on, up into the thousands. The marker becomes the sole property of the man buying it and is not transferable. We will keep a complete record of who purchases each marker and this information will be placed in the hands of the poultry buyers and the sheriffs of Michigan. Also in the larger cities we will supply it to the chiefs of police. New lists will be sent them as additional markers are sold.

This system of marking poultry will work out very well with our record of purchase law which was passed by the legislature during its last session. Under this law every buyer of poultry for resale must keep a record of purchases and if he buys some marked poultry he can check back to his registration sheets to see if the seller is the owner. If he isn't he should be able to prove that he purchased them from the owner or explain how they came to be in his possession honestly. If he can not then it is a job for the sheriff.

Anti-Thief Association

We placed the organization of county-wide anti-thief associations as fourth.

It is impossible to discuss properly in this article the organization of such associations so we will take that up in a later issue giving complete details on how to organize and so forth. In the meantime we suggest you get to see your sheriff and your prosecuting attorney and discuss such an association with them. The sheriff should be at the head of any county organization of this kind because he is the head of the law en-

(Continued on Page 29)

BUSINESS FARMER'S POULTRY MARKER AND GONG ALARM

TO help the farmers of Michigan protect their property from thieves we have arranged to furnish them with BUSINESS FARMER Poultry Markers (these can be used for other livestock) and burglar alarms of the gong-type at cost. The marker costs \$1.50, including enough special indelible ink for 100 birds, and full instructions on how to use. Extra ink is sold at 35c for 100 birds, 65c for 250 birds, and \$1.00 for 500 birds. The cost of the gong alarm is \$6.50.

Remember, your name and the number of your marker will be registered with poultry dealers and sheriffs in Michigan.

ORDER BLANK

The Business Farmer Protective Service Bureau,
Mt. Clemens, Michigan.

Kindly send me the following with complete directions for use. I agree to mark all my poultry with Business Farmer's Poultry Marker and will not sell or transfer this marker or allow it to be used except on my poultry or livestock.

Business Farmer Poultry Markers @ \$1.50 each.....

Extra Ink (100 birds, 35c; 250 birds, 65c; 500 birds, \$1).....

Gong-type Burglar Alarms @ \$6.50, each, postpaid.....
(Batteries not included. Three dry cells needed.)

I am including my check or money order for.....

Name.....

Address.....

Number of chickens and other poultry.....

DOWN in DIXIE

W.R. Brown (New Orleans) writes, "Will you kindly send me your poultry manual? My copy sent me last season was lost. My first hatch is due soon and I am not quite sure as to the formula for starting feed. Used this formula last season and never have I grown such chicks, though I have been at it twenty years. No loss, no weaklings, and amazing growth."

Put BUTTERMILK in your POULTRY FEED

Don't be fooled—make sure that there is enough buttermilk in your mixed feed. Add at least 10% Collis Process Pure Dried Buttermilk; you will have healthier chicks, early laying pullets and fatter broilers.

FREE! If you have not received our booklet "Feed from Egg to Market"—send us your feed dealer's name—the book will be mailed to you free.

COLLIS PRODUCTS CO.
Dept. 14 CLINTON, IOWA

MARTIN METAL
Brooder Houses

Stop Your Baby Chick Losses
Raise 2 pound broilers in 8 weeks—buy or hatch your chicks earlier and get higher prices. You can if you have a Martin.
Monroeville (O.) Hatchery writes—"Raised 97 per cent."
A. J. Swineford writes—"Had 2 lb. broilers in 8 weeks."
Mrs. W. Leffler writes—"Expect to buy another Martin in the spring."
Brooding chicks in a Martin is safer, easier, surer, FIRE-PROOF, rat and vermin proof, sanitary, dry, warm—even in zero weather, stove in center, no corners—prevents crowding. "Cel-O-Glass" Windows—1 let in the Violet Rays of the sun. Ideally ventilated—no drafts. Sizes, 600 chick and up. Shipped knocked down—easy to put up. Last a life-time. Write for illustrated folder and price.
The Martin Steel Products Co., Dept. 210, Mansfield, O.

LAKEVIEW BABY CHICKS

Bred for Profits
Quality-bred and quality-hatched Lakeview chicks grow rapidly into real money. World's best strains in our supply flocks, all Michigan accredited—that means business. Officially culled, state inspected. Official records up to 252 eggs at Michigan egg contest, 1925. Silver cup winners, Holland fair, 1927. 215 egg hen at Mountain Grove, Mo., 1927.

Get Big FREE Catalog
Gives descriptions of strong, vigorous Smith Hatched Chicks of famous Lehigh strains, also Barred and W. Rocks, Buff Orp., W. Wyand., and S. C. B. J. Reds—all money-making breeds. Make reservations early—10 per chick books your order. Big Discounts on Early Orders.

LAKEVIEW POULTRY FARM
M. J. Kole, Prop.
Box 3 Holland, Michigan
Member International Baby Chick Association

A Solid Foundation for Success with Poultry

Free for Asthma During Winter

A Remarkable Method that Has Come to the Rescue of Asthmatics and Checks the Worst Attacks—Send Today for Free Trial

If you suffer with those terrible attacks of Asthma when it is cold and damp; if you choke as if each gasp for breath was the very last, don't fail to send at once to the Frontier Asthma Co. for a free trial of their remarkable method. No matter where you live or whether you have any faith in any remedy under the Sun, send for this free trial. If you have suffered for a life-time and tried what you thought was the best skill known to cope with the most terrible attacks of Asthma, if you are discouraged beyond hope, send for this free trial.

FREE TRIAL COUPON
FRONTIER ASTHMA CO.,
1179 F Frontier Bldg., 462 Niagara St., Buffalo, N. Y.
Send free trial of your method to.....

• • With the Farm Flocks • •

(We invite you to contribute your experience in raising poultry to this department for the benefit of others. Also questions relative to poultry will be cheerfully answered by experts.)

TEN REASONS FOR POULTRY FAILURES

WHEN farm poultry flocks are given the right attention, the grower meets with success in his efforts; but, lack of attention to the flock nearly always results in failure to produce profits.

"Ninety per cent of the calls that we get for help with poultry are caused from lack of attention to simple details in handling the flock," says Allen G. Oliver, poultry extension specialist at North Dakota State College. "Rarely do we get a call from those thousands of farmers who give their birds the right attention. If I were to sum up the most prevailing causes of failure, I would list the following ten:

The poultry house allowed to be dark, damp and drafty.

Drinking fountains or troughs allowed to be dirty and filthy or the birds drink from stagnant pools of water.

Lack of fresh air and sunshine, Nature's disinfectants, in the house.

Failure to clean and disinfect the house at regular intervals.

Keeping the flock penned up in unsanitary houses and yards.

Allowing dead poultry to remain exposed.

Allowing sick poultry to run with remainder of the flock.

Building the poultry house in a low, damp location.

Failure to provide sufficient clean water and shade in the summer.

Permitting lice, mites and other vermin to infest birds and houses.

These ten things, states Mr. Oliver, cause most of the failures and each of them could be easily overcome. They are plain common sense precautions which may be observed without great outlay of money and the most that is needed for their observance is some work and a proper regard for the dumb creatures.

Mr. Oliver makes the added precaution that birds should not be crowded in the house during the day nor on the roosts at night. Each hen needs about three square feet of floor space and from seven to ten inches of roosting space. Plenty of clean water and well kept quarters are always needed for success with poultry.

NOT FEEDING PROPERLY

I would like to know what is the matter with my chickens. Their inwards are all in a kind of a sack and there is egg all through them; that is little yolks of eggs. They do no lay.—T. L., Hale, Mich.

I SUSPECT from what you say that it must be that you are not feeding your flock properly; the fact that there are a large number of undeveloped eggs in them indicates that they will lay when properly fed and cared for. Had you told me just what and how you fed them and how

they were cared for I might have told you what would be likely to help you get eggs from your flock.—Dr. Geo. H. Conn.

COLDS AND ROUP

Will you please tell me what to do for chicken with colds and roup?—F. B., Stanton, Mich.

THE first thing to do is to see that the sick ones are removed from the flock; then the ventilation must be so that there is fresh air without draughts; there must not be dampness in the house. Clean and disinfect the watering fountains and feeders twice weekly. Feed lightly and add 1 pound of epsom salts once each week to the mash for 100 hens. Get some chlorinated lime and add a tablespoonful to each gallon of drinking water and allow no other.—Dr. Geo. H. Conn.

THE FARM THIEF MUST GO

(Continued from Page 28)

forcing body of that community. Most sheriffs are anxious to assist in this work. If the prosecuting attorney does not care to take a leading part he no doubt will be glad to advice and help in other ways.

Last but not least, learn to shoot and shoot straight. No farmer wants to kill a human being, even though he may be stealing his property. But he can wound him without doing serious harm if he is a good shot, and then hold him for the officers.

Rural thievery must be stopped, and it can be stopped if we will all work together.

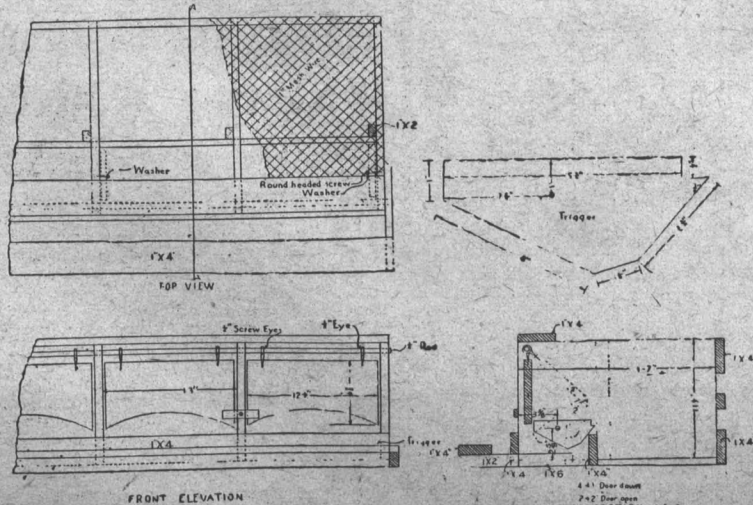
The Experience Pool

Bring your everyday problems in and get the experience of other farmers. Questions addressed to this department are published here and answered by you, our readers, who are graduates of the School of Hard Knocks and who have their diplomas from the College of Experience. If you don't want our editor's advice or an expert's advice, but just plain, every-day business farmers' advice, send in your question here. If you can answer the other fellow's question, please do so he may answer one of yours some day! Address Experience Pool, care The Business Farmer, Mt. Clemens, Mich.

ODOR OF CISTERN WATER

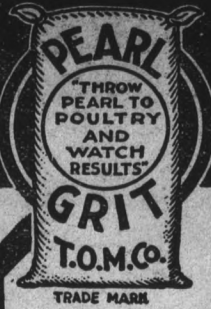
DEAR EDITOR: Some one asked how to take bad odor out of cistern water some time ago and was told there is no remedy. Well, I will tell you all one that is sure. Fill a small salt sack or other sack with fresh wood ashes, tie a string to it, tying it shut and suspend in the cistern. For want of the ashes I threw some potash lye, small quantity, into my cistern and have had no trouble since.—Mrs. M. Billman, Jackson County.

I suppose I am in the same boat with a good many others; have hard time waiting two weeks for each issue.—Rudolph Oswald, Sanilac County.



MISTAKE ON TRAP NEST PLAN

We are very sorry that there was a mix-up in connection with article on "Making a Trap Nest" and the plan which appeared in the last issue. Of course you noticed that the plan was not for a trap nest. It showed how to make an oat sprouter and will appear with a later article. In this issue we are publishing the correct plan for trap nest which goes with the instructions that appeared in our December 17th issue.



pearl Grit

Makes Hens Lay

YOUR HENS Must Have Lime to Make Eggs

HENS need lots of lime to make eggshells if they are to produce eggs. Don't let the egg supply slacken because of lack of raw material.

Hens must have grinding materials also if they are to work up their food properly. Both lime and grinding material is best obtained in

PEARL GRIT the double purpose grit

Pearl Grit is white and well prepared. It has been used for over 30 years by successful poultrymen and is highly recommended by poultry authorities. It is almost pure calcium (lime) and is sharp and jagged which makes good grinding certain.

Comes in 3 sizes, for laying hens, growing birds and baby chicks.

SUPERIOR POWDERED LIMESTONE—additional lime is supplied to the ration by adding Superior Powdered Limestone to the mash. Use plenty of lime and see the difference in egg production.

Your dealer has a supply of Pearl Grit and Superior Limestone—Ask him about it. If you don't find it in your town, write us and we will see that you are supplied.

OHIO MARBLE COMPANY, PIQUA, OHIO



WOLVERINE S.C. WHITE LEGHORN

BABY CHICKS

100% BLOOD WILL TELL **SAFE ARRIVAL GUARANTEED** **MICHIGAN** **ACCREDITED**

FOR WINTER EGG PRODUCERS

Get our Large Leghorns, the birds with large combs that produce the Large, Chalk White Eggs

Send for Our 1928 Catalog

Tells all about our chicks and breeding stock. EGG BRED SINCE 1910

For 18 years we have specialized in the production of S. C. White Leghorns, and breed no other variety. All our time, thought and energy in selecting and mating has been devoted to our Leghorns. You are assured of very desirable stock.

100% LIVE ARRIVAL GUARANTEED

WOLVERINE HATCHERY AND FARMS
H. P. Wiersma, Owner and Breeder, Dent, 4, Zeeland, Mich.



HIGHLAND LEGHORNS



Get this big beautiful free catalog that tells all about these productive Leghorns. Every breeder carefully selected for size type and egg production. Mated to males of from 200 to 300 egg pedigree ancestry. Commercial egg farmers recognize in Highland Leghorns the ability to produce large white eggs that command top-notch prices.

SPECIAL DISCOUNT NOW

On all orders booked this month we give a special discount. Write for complete details. Our new catalog tells all. Write for your copy today.

HIGHLAND POULTRY FARM, R. 9, Box S, Holland, Mich.



PROFIT PRODUCING CHICKS

Bd ROCKS **LEGHORNS** **R.I. REDS**

Michigan Accredited Chicks that are bred from proven blood lines. Every breeder wears a sealed leg band indicating official approval by authorized state inspectors. Immediate shipment.

BIG DISCOUNT NOW! PAY \$1.00 DOWN—BALANCE C. O. D.

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

BRUMMER FREDERICKSON POULTRY FARM, Box 26, Holland, Mich.

SUPERIOR B RED CHICKS



Superior Leghorns are those Michigan Accredited Leghorns that for years have demonstrated their ability to make good under actual farm conditions. Careful breeding on our modern breeding plant has resulted in remarkable egg production of this strain.

GET OUR BIG 64 PAGE CATALOG—ITS FREE

This big book tells the complete story of Superior Leghorns—from egg to matured bird. See in pictures our modern breeding and trapping plant 600 pullets in R. O. P. Record of 285 in R. O. P. last year. Every breeder inspected and passed by authorized state inspectors. Hanson, Tancred & Barron bloodlines carefully blended in Superior Strains. Get details of our Special Discounts now.

SUPERIOR POULTRY FARMS, Inc., Box 401, Zeeland, Mich.



VILLAGE VIEW Chicks direct from farm to YOU



Write today for complete information about these heavy producing White Leghorns and Barred Rocks. Carefully bred strains that are produced to make good on your farm. Free range flocks carefully mated for best results.

FREE CATALOG GIVES LOW PRICES

Before you order your chicks get this free catalog that tells all about these money makers. You will be interested in the high quality of our stock and pleased at our prices. A postcard brings the information. Write today.

VILLAGE VIEW POULTRY FARM, R. 3, Box 3, Zeeland, Mich.

DOWN'S BABY CHICKS

DOWN'S LEGHORNS LEAD STATE CONTEST



Last report (Dec. 14) shows our leg-horns leading Michigan International Egg Laying Contest. 1,000 pullets now being trap-nested in R. O. P. To insure delivery when wanted—order your Michigan Accredited chicks NOW! Free circular and prices on request.

DOWN'S POULTRY FARM
ROMEO, MICH. R. F. D. No. 2

DOWN'S WHITE LEGHORNS

MEADOWNOOK CHICKS

WILL MAKE YOU MORE MONEY

Michigan Accredited and Blood tested Barred Rocks chicks. Foundation Stock from Canadian R. O. P.

White Leghorns from Tancred Foundations. Have purchased some males from L. C. Beall, Jr., Washington State R. O. P. Breeder for further improvement.

Send for circular explaining matings in both breeds.

MEADOWBROOK HATCHERY
L. D. Haskell Avoca, Mich.

Let's Hear From You

We want you to write us your criticisms and suggestions about M. B. F. to help us make it better in every way. It is your farm paper and the editors are your hired men.

The Business Farmer, Mt. Clemens, Mich.

HUBER
SUPREME
THRESHER

Thresh with a "Supreme" when the weather is just right. Save your grain and earn bigger profits. The "Supreme" is ideal for light tractor power, and is a real profit-maker on hundreds of farms. Made in five sizes.

Send for new Catalog today.

The Huber Manufacturing Co.
Dept. 6
Marion, Ohio

CLIP COUPON

The Huber Manufacturing Co.,
Dept. 6, Marion, Ohio.
Please send information on thresher suitable for a _____ Tractor.

Name _____
Address _____
Town _____ State _____

511 Rats Killed

At One Baiting—Not a Poison

"First night I put out the new Rat Killer. I counted 282 dead rats," writes Pat Sneed of Oklahoma. "In three days' time I had picked up 511 dead ones. A pile of rats from one baiting."



Greedy eaten on bait. Affects Brown Rat, White Rat, and Gophers only. Harmless to other animals, poultry or humans. Rats die outside away from buildings. Rat Killer will do as well for you, that they offer to send a large \$2.00 bottle (Farm Size), for only one dollar, on 10-Days' Trial. Send no money—just your name and address to Imperial Laboratories, 2559 Coca Cola building, Kansas City, Mo., and the shipment will be made at once, by C. O. D. mail. If it does not quickly kill these pests, your dollar will be cheerfully refunded. So write today.—(Adv.)

BUSINESS FARMERS EXCHANGE

RATE PER WORD—One issue \$5. Two issues 15c. Four issues 25c.

No advertisement less than ten words. Groups of figures, initials or abbreviations count as one word.

Cash in advance from all advertisers in this department, no exceptions and no discounts. Forms close Monday noon preceding date of issue. Address:

MICHIGAN BUSINESS FARMER.
Mt. Clemens, Michigan.

HELP WANTED

MILK SALESMEN WANTED. REAL OPPORTUNITY for ambitious, intelligent men. Cash bond required. Ebling Creamery Company, 1480 Holden Ave., Detroit.

FARMS

WANTED—GOOD STANDING TIMBER. State wide, located number of acres, kinds of timber and hauling distance to nearest railroad shipping point. Charles A. Weiler Co., 4-142 General Motors Bldg., Detroit, Mich.

FOR SALE TO CLOSE ESTATE. 120 ACRES near Three Rivers, Mich. All good level land. Ideal home location. J. O. Schurtz, Administrator, 1935 Linden Ave., Grand Rapids, Mich.

SEEDS AND PLANTS

PEACH TREES, \$5.00 PER 100 AND UP. Apple trees, \$7.50 per 100 and up. In large or small lots direct to planters by freight, parcel post, express. Plums, pears, cherries, grapes, nuts, berries, pecans, vines; ornamental trees, vines and shrubs. Free catalog in colors. Tennessee Nursery Co., Box 137, Cleveland, Tenn.

4 MONTMORENCY CHERRY TREES. POSTPAID \$1.00. Catalog free. Peach Belt Nurseries, Bangor, Michigan.

CHOICE ADAPTED SMALL GRAIN AND BEANS. Improved American Banner Wheat. Wolverine Oats. Improved Robin Beans. A. B. Cook Oronoso Michigan.

MASTODON EVERBEARING—LESS THAN 1 1/2 c each. Why Pay More? Champion Originator. Catalog Free. Edwin Libke, New Buffalo, Mich.

\$1.00 SPECIALS—200 STRAWBERRY PLANTS; 50 Latham; 100 Cuthbert; 150 Mary Washington Asparagus; 20 Grapes; 25 Rhubarb. Get growers prices. Harris-Cross Nurseries, Bangor, Mich.

TOBACCO

TOBACCO: KENTUCKY SWEETLEAF. MILD; low; Smoking 5 pounds 65c; 10, \$1.00; 15, \$1.45. Chewing 5, 85c; 10, \$1.50; 15, \$2.00. Pay when received. Kentucky Farmers, Wingo, Kentucky.

HOMESUN TOBACCO: CHEWING 10 LBS. \$1.50. Smoking 10 lbs. \$1.00. United Farmers, Paducah, Ky.

LIVESTOCK

REGISTERED DAIRY SHORTHORN BREED. Cows open heifers serviceable age. Bulls from heavy milking ancestry. Write Joe Moriarty, Hudson, Mich.

DUROC BOARS READY FOR SERVICE. REGISTERED. Guaranteed to satisfy. Price, \$25.00 cash with order. Wisconsin Land & Lumber Company, Hermansville, Michigan.

MARKET FLASHES

Markets Fair from Bad at Beginning of 1928

Better Export Demand from Grain and Pork

By Market News Service, Bureau of Agricultural Economics, U. S. D. A.

(Special to THE BUSINESS FARMER)

WINTER conditions make for steady prices. There was little change through the last two months of the year and nothing very unsettling was in sight at the end. At least the market was not going down except for such things as eggs and southern vegetables, which always increase in supply from about this time. With a better export demand for cotton, grain, pork, and with more snap in the potato trade, the whole market would look rather good. At least it might be worse, and often has been worse during the past half a dozen seasons at the beginning of the new year.

Wheat

Larger offerings of Argentine wheat, together with perhaps a larger acreage of winter wheat in the United States next season, weakened

ing taken by European buyers and constitutes the bulk of the world's shipments each week.

Feeds

The holiday dullness helped to reduce the demand for feedstuffs, but the moderate offerings of most feeds were readily absorbed, although prices of wheat feeds made substantial declines. Rather widespread precipitation and normally cold weather over much of the country favored liberal feedings. The linseed meal market was practically unchanged, alfalfa meal averaged about steady, but corn feed tended lower and cotton seed higher. Price changes in the hay market were unimportant.

Cattle

A top price of \$18 was reached for choice heavy cattle in Chicago not long before the year-end holidays.

MARKET REPORTS BY RADIO DAILY

THE Michigan Business Farmer was first to broadcast farm market reports in Michigan (January 4, 1926). Market reports and farm news are now available as follows: WGHP (277.6 meters), 6:05 to 7:00 P. M.; WKAR (277.6), 12:00 M.; WWJ (352.7), 5:45 P. M.; WCX-WJR (440.9), 4:15 P. M.—Editor.

the wheat market near January 1, but prices made only slight declines. Receipts of cash grain were of only moderate volume, while the demand was fairly active, and sufficient to absorb all offerings at steady premiums.

Corn

Continued large offerings of corn and the upward revision of the official estimate of this season's crop were weakening factors in the corn market. This season's corn crop according to the December 1 official estimate is about 94,000,000 bushels larger than last year's production, but the total supply, including the carryover, is only about 22,500,000 bushels larger than a year ago.

Rye

The rye market was lower with wheat, also because of a slightly less active demand.

Barley

The barley market held firm, with a good demand for the limited receipts at the principal markets. Exports have fallen off, but considerable United States barley is still be-

The general cattle market gained somewhat, owing in part to lighter receipts and in part to special demand or certain lines. The general strength of the underlying situation is shown by the fact that feeder stock advanced somewhat with the rest of the list. In general, the net changes over a period of two weeks at the end of December were not great, the advances having amounted to a recovery from preceding declines.

Hogs and Sheep

Hogs continue to sell at \$8.50 to \$8.65 for most grades at Chicago and conditions showed some improvement because of a recovery of demand and rather moderate shipments. Little change occurred in the sheep and lamb markets.

Wool

Leading grades of western wools met active demand around the first of the year, owing to the general strength of the market situation here and in Europe. Prices for worsted wools were well maintained and there were some gains in the

medium grades of combing and clothing wools.

Fruit and Vegetables

Fruit and vegetable markets still show something of the usual quiet following the holiday activity. No important change in price has taken place in such leading lines as potatoes, apples, cabbage, and onions, but the December gains in the price of onions have held firmly as a result of lower figures given out regarding last season's production, particularly in midwestern onion districts. Shipments of potatoes continue remarkably steady in quantity, at the rate of about 500 cars per day.

BEANS

The bean market appears to be in a very healthy condition with the price at country loading points holding well around \$5 per hundred-weight. Only one of our crop correspondents reports a lower figure. Any attempt to put prices down causes a slowing up of marketing. Demand is reported good with promise of higher prices.

"We sold beans this last summer at \$6.40 Michigan with a big crop and a fairly large carry-over," says the Michigan Elevator Exchange. "It ought not to be difficult to duplicate that with the short crop and no carry-over." We agree with them.

Light red kidneys are quoted at \$6.60 and dark reds at \$7.00. A year ago dark reds were underselling the light reds from 50c to \$1 per hundred pounds. There is no reliable data as to the amount of kidney beans in the hands of farmers but estimates are from 30 to 60 per cent of the 1927 crop has not yet been marketed.

DETROIT SEEDS

Clover seed, cash imported, \$16.30; December, \$16.75; February, \$16.80; March, \$16.80; domestic, cash, \$18.60; February, \$18.60; March, \$18.60. Alsike, cash, \$16.20; January, \$16.30; February, \$16.45; March, \$16.60. Timothy, cash, \$2.02 1/4; March, \$2.17 1/2.

DETROIT LIVE POULTRY

Live poultry, receipts light; prices firm. Springers, Rocks and Reds, 5 lbs. up, 28c; medium size, 25c @ 26c; white Leghorns, 25c; other colors, 14 @ 15c. Hens, 5 lbs. up, 24c; medium, 22 @ 23c; small and Leghorns, 17c; stags and cocks, 16c. Large white ducks, 27 @ 28c; small and colored, 24 @ 25c; geese, 7 lbs. up, 22 @ 23c; turkeys, No. 1, 8 lbs. up, 42 @ 43c; old toms, 32 @ 35c.

DETROIT BUTTER AND EGGS

Creamery butter in tubs, 42 @ 47 1/2 c. Fresh receipts best quality eggs, 35 @ 46c per doz.; dirts and checks, 20 @ 25c; storage, 28 @ 32c.

LIVE STOCK MARKETS

DETROIT—Jan. 3.—Cattle: Strong; best Detroit yearlings, \$11 @ 13.75; best heavy steers, \$10.25 @ 12; best handy weight butcher steers, \$9 @ 10.75; mixed steers and heifers, \$9 @ 9.75; handy light butchers, \$7.50 @ 9.50; light butchers, \$6 @ 8.25; best cows, \$6.50 @ 8.75; butcher cows, \$5.50 @ 6.25; cutters, \$5 @ 5.25; canners, \$4 @ 5; choice light bulls, \$6 @ 8.50; bologna bulls, \$7.50 @ 8.75; stock bulls, \$6 @ 7.75; feeders, \$7 @ 8.50; stockers, \$5.50 @ 7; milkers and springers, \$6 @ 11.00.

Veal calves.—Steady; best, \$16.50 @ 17; others, \$8 @ 16. Sheep and Lambs.—Steady; best lambs, \$13.75; fair lambs, \$11 @ 12; light to common lambs, \$6 @ 9.50; fair to good sheep, \$6 @ 7; culls and common, \$2 @ 3.

Hogs.—Prospect 10c higher; mixed, \$1.80 @ 2.40; average, \$9.35.

CHICAGO.—Cattle: Receipts, 3,000; less active than yesterday, but generally steady; steer market somewhat a forced affair; runaway market on meager crop sausage bulls; best fed steers, \$15; bulk, \$11.50 @ 14; nothing but short feds offered; cow cutters up to \$6.25 and better; most sausage bulls, \$8 @ 8.50; vealers, \$12 @ 13.50 to big packers, outsiders, \$14 @ 15.50. Hogs: Receipts, 23,000; uneven, heavy hogs generally steady; medium and light weight butchers strong to 10c higher; light lights 10 @ 15c up; spots 25c higher; pigs sharing light advance; top, \$8.80; bulk good and choice 210 to 300-lb. averages \$8.60 @ 8.75; 160 to 200 lbs., \$8.40 @ 8.60; 130 to 150 lbs., \$7.85 @ 8.35; pigs, largely \$7.50 @ 7.85; best selected lots of strong weights, \$8 @ 8.25; bulk packing sows, \$7.35 @ 7.65; shippers took 13,000, estimated holdover 3,000. Sheep: Receipts, 14,000; liberal percentage unsold late; most trad-

THE BUSINESS FARMER'S MARKET SUMMARY and Comparison with Markets Two Weeks Ago and One Year Ago

	Detroit Jan. 3	Chicago Dec. 31	Detroit Dec. 13	Detroit 1 yr. ago
WHEAT—				
No. 2 Red	\$1.41		\$1.39 1/2	\$1.40
No. 2 White	1.38 1/2		1.37	1.41
No. 2 Mixed	1.38 1/2		1.37	1.39
CORN—				
No. 2 Yellow	.93	.82 1/2	1.00	.82
No. 3 Yellow	.91	.85	.98	.81
OATS (New)				
No. 2 White	.59	.54 1/2 @ .56	.58 1/2	.54 1/2
No. 3 White	.57 1/2	.52 @ .55		.51 1/2
RYE—				
Cash No. 2	1.15		.60	.99
			1.17	
BEANS—				
C. H. P. Cwt.	5.60		5.40	4.80 @ 4.85
POTATOES—				
Per Cwt.	2.00 @ 2.15	1.50 @ 1.70	1.84 @ 1.90	2.83 @ 3.00
HAY—				
No. 1 Tim.	13 @ 14	18 @ 19	13 @ 14	19 @ 20.50
No. 2 Tim.	10 @ 11	15 @ 17	10 @ 11	17 @ 18
No. 1 Clover	11 @ 12.50	18 @ 19	11 @ 12.50	17 @ 18
Light Mixed	13 @ 14	18 @ 19	13 @ 14	18 @ 19.50

Tuesday, January 3.—Wheat gains some. Rye also higher. Other grains quiet. Good demand for beans at firm prices.

ing on good to choice offerings, 88 lbs. down around 25c lower; scattering big bids on heavy and plain lambs 50c lower; top, \$13.65; few 80 to 82-lb. lambs, \$13.35 @12.50; 82 to 85-lb. lambs to packers, \$13@13.25.

EAST BUFFALO.—Dunning & Stevens report: Cattle, 5 cars, steady; hogs, 30 cars, steady; mediums, \$9.25@9.35; heavy, \$9.30@9.40; yorkers, \$9@9.25; pigs and lights, \$8.75@9. Sheep, 35 cars, lower; top lambs, \$13@13.50; yearlings, \$10@11.50; wethers, \$8@8.50; ewes, \$6.50@7.50. Calves, \$17.25.

BEAN AND POTATO CROPS SHORT OF LAST YEAR

Bean and potato crops in Michigan showed a marked decrease from the totals of last year according to reports just issued by Verne H. Church, federal statistician and E. Powell, Michigan commissioner of agriculture.

The bean crop amounts to 5,094,000 bushels. The decrease in production from last previous reports is due to a further downward revision in acreage to 556,000. The yield per acre is nine bushels, as compared with 12 bushels last year. However, quality is much better.

The potato crop is 23,120,000 bushels as compared with 29,800,000 last year. The total harvested acreage was 289,000 or 40,000 more than that of 1926.

Michigan growers are faced with a situation such as has not occurred within the last 20 years or more, the production being only 60 per cent. of normal and this light crop to be marketed in competition with a national crop of more than normal proportions.



Week of January 8

THE local sleet or snow storms predicted for last part of last week will probably run over into the beginning of this week with high winds, blizzards and snow drifts.

As the middle of the week approaches temperatures will drop considerably and for the balance of the week will very likely remain low. Due to the lack of general storminess at this time the latter part of this week promises to be mostly fair and cold.

Week of January 15

During the first part of the week beginning January 15 we are expecting the weather in Michigan to be generally fair and temperatures moderate. As the week advances temperatures will rise higher.

Beginning about Tuesday and running through the middle days of this week the weather will become unsettled with cloudy skies, strong winds and some precipitation.

Following this storm area the skies will again clear and the temperatures fall much lower. As the end of the week approaches temperatures will register 25 degrees or below over central parts of the state.

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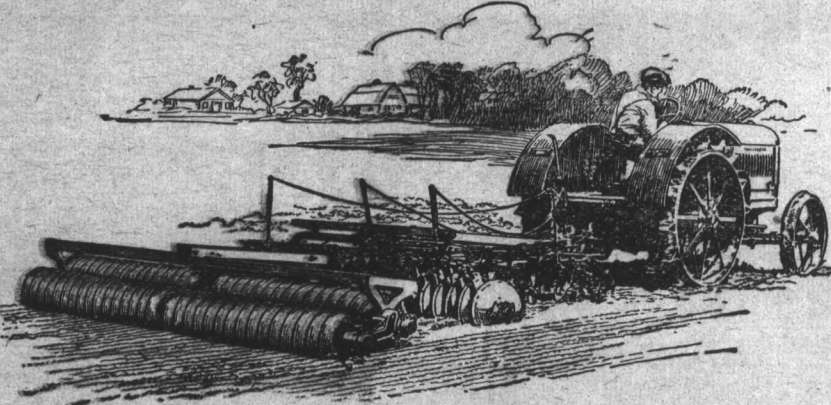
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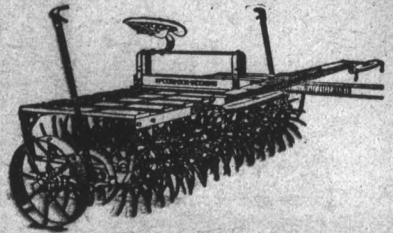
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