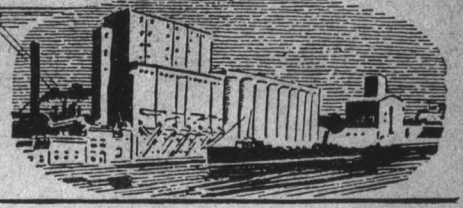


The Michigan
BUSINESS FARMER



An Independent
Farm Magazine Owned and
Edited in Michigan



VOL. X, No. 20

SATURDAY, MAY 26, 1923

TERMS: TWO YEARS \$1
60c PER YEAR—5 YRS. \$2



**"Man Works from Sun to Sun,
But a Woman's work is Never Done!"**

Read in this issue:—Article on Orderly Marketing by New President of Farm Bureau; Dr. Friday Victim of Political Assassins; Farmers' Market at Bloomington Solves Problems; Roger Babson says "Farmer and Labor Mix Like Oil and Water"; other Features found in no other Farm Paper

Current Agricultural News

SOIL SURVEY IN STATE TO BE CONTINUED

THREE or four government soil experts and five or six representatives of the Michigan Agricultural College will collaborate this year in continuing the soil testing work in which the soils department of the college and bureau of soils of the United States Department of Agriculture have co-operated for the last three years. A contract for the continuation of the work has just been completed between Dr. M. M. McCool of the college and a federal representative.

Presque Isle county will be the first to be considered in the work this year, the work in that county, started last year, being completed. The four or five counties to be entered in the work this year have not been selected, but one of the counties will be not far distant from the point of beginning.

In the three years the work has been in progress in the state nine counties have been covered, each year showing an increase over the amount of work done since Allegan county was entered three years ago. This year, according to the contract between Professor McCool and the government, the largest force ever working in Michigan will be in the field.

SUMMER TERM DATES AT M. A. C.

SUMMER session at M. A. C. will start June 19, the day after commencement and continue until July 27, according to the announcement made at the office of Prof. E. H. Ryder, director of the summer school. The courses available for students are outlined in the summer session bulletin which has just been issued. The popularity of the summer courses has grown since they were first instituted and it is expected by the college authorities that the enrollment this summer will surpass that of last year.

EXPECT 100,000 ACRES LAND CERTIFIED IN SIX MONTHS

THE certification of 100,000 acres of wild land in Michigan within the next six months is predicted by officials of the state department of agriculture. Since the passage of the Meggison certification bill, requests have been made for the examination of over 10,000 acres of wild land with additional applications for information as to the certification of several thousand acres in scattered tracts.

It is predicted that practically all the land to be certified will be uncultivated tracts. Nearly all the operating farms, which have been purchased during the last few years, have been bought by practical farmers from the middle states after a personal examination, and it is believed, by dealers, that such being the case, it will be unnecessary to go to the expense of certification.

EIGHT MICHIGAN MEN TO ATTEND HOLSTEIN CONVENTION

MICHIGAN Holstein breeders will be represented by eight delegates at the thirty-eighth annual convention of The Holstein-Friesian Association of America to be held in Cleveland, Ohio, June 6th. The delegates elected are: D. D. Atken of Flint; Dudley E. Waters of Grand Rapids; E. L. Smith of Adrian; H. W. Norton, Jr., Lansing; H. E. Rising of Woodland; James G. Hayes of Howell; Wm. E. Fellows, of Flint and Wm. R. Harper of Middleville.

Each state is entitled to one delegate and one additional delegate for each 200 members or major fraction thereof. The association has a total of 23,000 members. Michigan is represented on the Board of sixteen directors by H. W. Norton Jr. of Lansing.

GOVERNMENT BULLETINS OF INTEREST IN JUNE

A SMALL list of Farmers' Bulletins and Circulars of general interest during June is believed to be of value to our readers. Copies may be obtained free by addressing the Division of Publications, United States Department of Agriculture,

Washington, D. C. Specify number and name and whether Farmers' Bulletin or Department Circular.

Farmers' Bulletin 838, Harvesting Hay with the Sweep Rake; 842, Methods of Protection Against Lightning; 363, Irrigation of Grain; 871, Fresh Fruits and Vegetables as Conservers of Other Staple Foods; 872, The Bollworm or Corn Earworm; 876, Making Butter on the Farm; 943, Haymaking; 956, Curing Hay on Trucks; 959, The Spotted Garden Slug; 975, The Control of European Foulbrood; 977, Hay Caps; 984, Farm and Home Drying of Fruits and Vegetables; 1120, Control of Apple Powdery Mildew; 1198, Swarm Control; 1217, The Green Bug or Spring Grain Aphid; 1225, The Potato Leafhopper and Its Control; 1290, The Bulk Handling of Grain.

Department Circular 98, The Installation of Dust Collecting Fans on Threshing Machines for Prevention of Explosions and Fires and Grain Cleaning; 214, Fusarium Tuber Rot of Potatoes; 217, Anthracnose of Muskmellons; 238, U. S. Grades for Potatoes Recommended by the United States Department of Agriculture.

FROM HERE AND THERE IN MICHIGAN

Petoskey—Contracts awarded for 15 miles highway to cost \$90,000. New Masonic temple purchased at cost of \$25,000.

Lansing—Estimated number cattle on feed in state 12% increase over last year. Farmers increase this year acreage in corn, oats and barley. State supply of farm labor not equal to demand.

Charlotte—Site for armory chosen and \$25,000 appropriation sought for building. Bids called for building new cross-state highway. Radio club organized at Olivet college.

Cedar Lake—Plans completed for Cedar Lake academy to cost \$20,000.

Allegan—City Council accepts site for new community building.

Ann Arbor—New unit of nurses' home at state university to cost \$650,000.

Fremont—Paving operations to be resumed.

Holland—New paving contract awarded involving \$202,708. Plans being completed for six-story hotel at cost of \$250,000.

Standish—First cow testing station organized in Ardenas county.

Caro—Tuscola road commissioners plan new highways. Shorthorn breeders of Tuscola county organize.

Flint—Pere Marquette Railroad to build new belt line track. Business interests want extension Michigan Central Railroad.

Saginaw—Official of Pere Marquette Railroad declares traffic increasing. Work begun on new Prescott Street sewer. Pere Marquette Railroad gets permit to build new bridge over Saginaw river.

Grand Rapids—City's valuation for assessment purposes increased \$11,000,000 over last year. Plans made for Apple and Potato Show here next fall. Two new buildings to be erected on Valley City Milling Company site. New park improvement program outlined by city. Michigan fruit growers predicting tremendous crop this year.

Traverse City—Better Back-yard drive carried on here.

Lawton—New \$100,000 church and tool factory to be established.

Cadillac—Greatest building boom in history under way.

Benton Harbor—New \$250,000 water plant formally completed.

Munising—Local game association to feed wild deer, ducks and geese.

Manistee—City platting new residential district.

Adrian—New water power factory to be erected by Ford Motor Company.

Bay City—St. James school will build new \$50,000 gymnasium.

Big Rapids—Four new lumber dry-kilns to be built by Ward Company.

Battle Creek—Work commenced on new \$150,000 Masonic temple.

Detroit—Port of Detroit eighth in United States in volume of foreign trade.

Ravenna—Has light and power plant by harnessing Crockery creek.



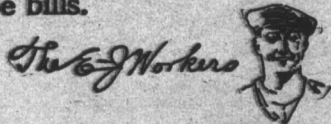
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—because our shoe factories are located so close together

All the E-J tanneries and factories are located within a circle whose radius is only 6 miles. This eliminates all expensive transfer costs, (from tannery to factory, from factory to train), so that we can supply your shoe dealer with good shoes at minimum prices.

If you are buying shoes for boys this should be especially interesting to you. It allows you to get high quality shoes at prices you would think impossible.

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At any dealer's with an E-J sign in the window. Boys shoes at economy prices

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The Michigan BUSINESS FARMER

(Effective April 2nd, 1923)

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SATURDAY
MAY 26th,
1923

VOL. X. NO. 20

Being absolutely independent
our columns are open for the
discussion of any subject per-
taining to the farming business.

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

The Michigan BUSINESS FARMER

"The Only Farm Magazine Owned and Edited in Michigan"

Published Bi-Weekly
Mt. Clemens, Mich.

TWO YEARS \$1

Entered as second-class mat-
ter, August 22, 1917, at the
post-office at Mt. Clemens,
Mich., under act of March
3rd, 1879.

Orderly Marketing to End Peak Load Problem

O. F. Bradfute, President of American Farm Bureau Federation, Speaking to Chamber of Commerce of U. S. Tells Farmers' Plan

THE new system of co-operative marketing will go far towards solving the railroad problem in America.

Speaking before the eleventh annual meeting of the Chamber of Commerce of the United States in New York on May 10, O. F. Bradfute, President of the American Farm Bureau Federation, declared that the farmer had found his own solution to the peak load question in transportation.

According to President Bradfute the farmers' new system of co-operative marketing whereby the products of the farm are moved into points of consumption in an orderly manner will give the railroads an opportunity to move the great staple farm crops gradually from the farms to the distribution centers and thus avoid the peak loads and the attendant car shortage problem which break the railroads' back.

Mr. Bradfute challenged the business men and railroad executives to join hands with the farmer in helping him perfect a co-operative marketing system providing for the storage and financing of farm products on the farms. About one-twelfth of these farm products properly stored and adequately financed on the farms can be moved into points of consumption each month.

Mr. Bradfute made it plain that organized agriculture would continue to demand early and substantial reductions in railroad freight rates "as an absolute necessity to the comeback of agriculture and the ultimate prosperity of both city and country."

President Bradfute's address is as follows:

"What do all these people do for a living? I come out of the Grand Central station or walk down LaSalle Street in Chicago. I see the throngs of folks racing hither and yon, all intent on something or other. Perhaps it is natural for a plain farmer from the open country to wonder when set down in the midst of a great city: 'What do all these people do for a living?' I have never ceased to marvel at this. A careful analysis of his problem leads one to observe that all these folks in the crowded metropolitan centers are engaged in getting three things: food, clothing and pleasure. In the third category, pleasure, I classify the creature comforts of home, luxury, amusement, etc. Now Solomon, the wisest man of all time, abjured us, with all our getting to get understanding, and I am not so sure that the denizens of the crowded market place always follow that advice.

All Are Interested

"I would have this great body which springs directly from the cities and town of America to understand, however, that two of these three driving incentives of metropolitan effort originate on the farm. Food and clothing in the raw state rank among the staple products of our farms. Happily, then, we are all city men and country men concerned about the same thing basically. Your city man is working with what the farm man originated.

"In order to get into the channel of profitable use it is, of course, necessary to focus the products of the farm in the metropolitan centers of distribution. Out of this great function arises the huge problem of transportation now confronting us as the biggest question mark in our national economy. The farmer's transportation problem begins in his field and at his barnyard gate. In our rural minds to speak of transportation brings to us thoughts of wagons, bob sleds, wheelbarrows, tractors, trucks, automobiles—devices both simple and complex which

we use to carry our products from the place of their youth toward the place of their use. The farmer's interest in transportation does not stop until his products have been landed safely at the point of ultimate consumption. Therefore, our philosophy of transportation includes careful thinking about the cow path, the field road, the highway, the railroad, rivers, lakes, canals and the ocean paths. The American farmer has a transcending interest in the whole transport problem. Let us see if we can picture it in a few simple but comparative figures:

The Transportation Problem

"An immense new volume of wealth is created on the farms of America every year, running into a gigantic business total of from 12 to 14 billions of dollars. Of our farm products about 10 billion dollars worth are transported off our farms each year. This is our direct transportation problem.

"Consider railroad transportation alone: The gross freight bill of the nation is around four billion dollars per year. Of this freight bill the farmers pay one-half directly. Add to this the farmer's freight bill for horse, and wagon, and harness, highway costs, motor transport, carriage by water, etc., and agriculture pays more than four billion dollars every year to get the products of this basic industry moved into centers of consumption.

"It may surprise you to know that the cost of transportation is one-third of the farmer's production bill. The farmer comprises less than forty per cent of the population but pays

more than fifty per cent of the nation's transportation costs.

"It must not be forgotten also that the farmer pays freight both ways. On the things which he sells a freight rate is deducted from the price which it brings. On the things which he buys a freight rate is added to the cost f. o. b. cars. All this is part of the farmer's direct interest in transportation.

London Fixes Wheat Price

"The man on land has another primary interest in the transportation problem which is not given the attention which it deserves by our statesmen and economists. The price of wheat in Kansas is fixed by the price of wheat in Liverpool. Under our present marketing system a demand for surplus farm products determines the price of the whole crop. Not only is that Kansas wheat farmer forced to take a world price for the small portion of his crop which goes to Liverpool, but that selfsame Liverpool price determines the returns from his entire wheat field, even though the grain is all milled in Kansas.

"The same thing is true of livestock. When I sell a fat Aberdeen-Angus bullock to be killed by the local butcher in Xenia, Ohio, he pays me the prices ruling at Pittsburgh, or Buffalo, or Baltimore, or New York City minus the freight rates from those cities to my home town. Why is the farmer so anxious for reduction in freight rates? Because the transportation bill effects the returns from his whole crop, not only his surplus.

"I have talked to many railroad

DR. DAVID FRIDAY, VICTIM OF UNWARRANTED POLITICAL ATTACK, SAYS PRESENT TURMOIL WILL CLARIFY AGRICULTURAL ATMOSPHERE IN MICHIGAN

DURING the past week, Michigan Agricultural College, through its president, David Friday, was subjected to one of the most disgraceful and unwarranted attacks ever staged in Michigan. During the absence of Dr. Friday on a speaking tour of the east, statements were made to the daily press which not only sought to discredit his ability and loyalty, but to besmirch his character.

The attack was so underhanded and indefensible that the Governor has taken a hand in the matter and has promised to fittingly punish the politicians who were guilty of perpetrating the slander and gossiping it to the always-ready-for-sensation daily press.

In reply to a request for a statement to his 70,000 real farmer friends, who read *The Business Farmer*, Dr. Friday telegraphs as follows:

Because of the wise and courageous stand taken by Governor Groesbeck, the Michigan Agricultural College will shortly be in a position to serve the farmers of Michigan as never before. The present turmoil is long overdue and will do much to clarify the agricultural atmosphere of the state.—David Friday, President, Michigan Agricultural College.

Our comment on the subject will be found in the Editorial, on page twelve of this issue.

experts and economists and statisticians who deal with the overwhelming problems of national transportation. They talk always in terms of bottle necks and peak loads. I think it is fair to say that they really have no solution. I think it is fair to say that they have no formula for widening the neck of the bottle or for reducing the peak loads at harvest time. To these vexing technical problems I believe that the American farmer himself has found the answer.

Orderly Marketing the Answer

The answer lies in orderly marketing of our farm products rather than in the usual seasonal glutting of the distribution centers. Since the farmer has found his voice and has learned how to use it in a national way our agricultural industry has been the recipient of some very progressive and helpful legislation. We now have on the statute books a law permitting the farmer to unite to market his product collectively for the best interest for both producer and consumer. Some twenty states within the last two years have likewise assessed laws permitting us to undertake a certain definite type of cooperative merchandising which the American farmer has worked out to meet his own needs. In the closing days of the last Congress organized agriculture secured an approved warehousing act as well as legislation providing for a new type of credit for the farmer. When this is finally worked out the farmer will be able to store his crops in his own cribs, and bins, and root cellars, and hay mows which will be designated as approved warehouses. It is not at all beyond the range of possibility that the products of the farm stored in these approved warehouses on the farm may become the basis of sound commodity financing. Surely there is no better security for a loan than the food of the nation. We are not very wise if we cannot perfect a system whereby the farmer may hold in the storehouse of his own farm the crops which he raises and move them into channels of consumption in an orderly and regular manner. Under some such a system as this I can envision that one-twelfth of our farm product might move off the farms into the conduits of transportation each month rather than pouring the whole thing onto the market within a few days or a few weeks after harvest time. I would have you realize that these great staple food products are stored now in a manner acceptable to the financial system of the country. The trouble is they are stored in cities instead of on the farms where they originated.

"Eventually the adoption of a farmer's co-operative marketing program by America will do away with the peak load in farm products. We shall substitute for dumping all the products of our fields and pastures onto the market at one fell swoop when we have to have the money, a new and improved system of gradual orderly merchandising.

"I challenge here and now the business men of America, and particularly the leaders in the transportation world, to join hands with the American farmer in helping him work out his co-operative marketing program for the good and selfish reason that this will do a great deal towards solving the transportation problem.

"I cannot close this discussion and feel that I had performed my whole duty unless I state frankly to you that the American farmer regards an early and substantial reduction in railroad freight rates as an absolute necessity to the comeback of agriculture and the ultimate prosperity of both city and country."

Farmers' Market in Small City an Example

A New Solution to the Producer to Consumer Problem that is Based on the Oldest Form of Commerce; the Barter and Exchange Plan Practiced in Bible Days

SELLING directly from the producer to the consumer, with the elimination of all middlemen and middlemen's profits, the McLean county producer's market, Bloomington, Illinois, recently opened, is steadily growing in popularity and patronage.

On the big days the sales aggregate as high as \$1,500, and rarely drop below \$1,200. The farmer brings in his produce and places it in one of the 45 stalls, which rented to him for the nominal rate of \$1 per day. Many sell out in a few hours, but they have the use of the stall and market building for the entire day if they desire it.

Practically everything raised upon the farm is sold. Pork in its various forms, including pork cuts and sausages; eggs, poultry, butter, cottage cheese, milk, cream, all kinds of vegetables, grain, and fruits in season, together with pastry, bread, preserves, jellies, canned fruit and, in fact, an endless variety of good things having a strong appeal to the urban shopper.

The market is opened at 9:30 a. m. and no trading is permitted prior to that time. There are usually from 100 to 200 patrons in waiting each morning for the doors to open.

No objection to the market has been filed by the city merchants. Every booth rented usually reports receipts ranging from \$15 to \$100. A large proportion of this money is taken over to the dry goods, clothing, millinery and shoe stores and expended for needed articles.

The business men have found that a goodly proportion of the money that is taken in at the farmers' markets soon afterwards is expended with the established firms. The market has had the result of getting the country and city people better acquainted.

Every booth renter signs an agreement to be responsible for the purity and cleanliness of the produce he markets.

Supervised by County Agent

He must also deposit the sum of \$5 to the farm adviser. Should there be any complaint from a patron and the booth renter fails to settle, the farm adviser conducts an investigation. If the latter is satisfied that the customer has a legitimate complaint, he is reimbursed out of the deposit fund for the sum he claims.

So far there has not been a single case where such action was necessary, a remarkable testimonial to the harmonious trading and the good feeling that exists between the farmers and their customers. In fact, the farm bureau seeks to instill into the producer an element of pride in the market which will have a tendency to make it a place where the buyers will become permanent customers.

It has developed that many of the

BLOOMINGTON, Illinois, is a city of 28,725 inhabitants. In Michigan there are 14 cities the size of Bloomington or larger. Every year Michigan becomes more of an industrial state, which means that the proportion of people who live in cities is increasing while the population on our farms is decreasing. The Business Farmer agrees with Dr. Friday, that this is nothing for the farmers of Michigan and the nearby states to cry about. It must mean higher prices and more profit for the men who stay on farms.

The farms adjacent to the growing cities and large towns in Michigan must supply a larger proportion of the food which these cities consume. The farmer within a fifty mile radius of any given market can, with good roads and modern motor truck, deliver the products of his farm direct to the consumer at a real profit.

TOO MUCH FOOD IS BEING SHIPPED INTO MICHIGAN

which ought to be supplied from the farms of this state. Our farmers must awaken to the new conditions which the past decade has brought. They are fools who raise wheat in competition with the wheat-growers of Argentine and the Ukraine. Less staples and more specialties will be grown in Michigan by the business farmers.

Here then is the story of a well run farmers' market in a city of 28,725 population. It solves the producer to consumer problem in the oldest and yet the most successful way yet discovered. City people like to buy direct from the farmer. Bloomington and other cities have proven that a lower price is less of a consideration, than that the produce be sold clean, fresh and attractive.

The Business Farmer stands ready to back the efforts to build a Farmers' Market in any town or city in Michigan or the nearby states, which has a population of two thousand or more. In villages of lesser size, we advise house to house selling or a Saturday morning market in a given location direct from the wagon.

If you know of a city which should have, but does not have a Farmer Market tell us about it and we will try to secure the co-operation of the local newspaper to encourage such a project.—The Editor.



Although you might not suspect it, this is a farmers stall in the Farmers Market at Bloomington, Illinois, where the farmers from many miles around bring their produce and sell direct to consumer. This stall rents for \$1 per day.

farmers who sold directly to the city residents at the latter's homes now go to the market and their old patrons come to them. The prices at the market compare favorably with those at the established stores, but the patrons of the farmers know that the stock is brought directly from the farm the day that it is offered for sale and there are never any stale articles on hand.

That the market has been a success to the farmer as well as the consumer is shown in the fact that practically every producer who rented the stall on the opening day has been a permanent renter.

The farmers' market seems to be filling a business niche that has long been empty and which is badly needed. Every booth renter is required to subscribe to a code of rules that promotes neatness and cleanliness and which are publicly posted so that customers can pursue them. They have an excellent effect.

Here Are the Rules

"It is hard to keep hands clean, but it will help.

"Also the finger nails.

"Wash basin in the basement.

"Sweep our your booth when through.

"We don't believe that you will have time to chew or smoke.

"Don't wear your whiskers too long or your hat at all.

"A white apron, coat or cap makes a wonderful improvement.

"The state pure food inspector requests that you do not keep blankets or wearing apparel in your booth. Plenty of hooks in the basement.

"Gummed labels must be placed upon all dairy products and covered containers.

"All eggs must be candled before placed upon the market. Candle them at home. It will save time.

"A garbage can will be found upon the floor in which to place all waste."

Claimed a Model Enterprise

Since the market was started its fame has spread and the farm adviser is in receipt of frequent requests for information in order that arrangements can be made to take similar action. One request came from Phoenix, Ariz., and another from Fitchburg, Mass., indicating how much attention has been attracted to it.

The managers of the McLean county market believe that they have a model and one of the finest of the kind in the United States. The ground floor of the market building is utilized for the booths, while the upper floor contains the farm bureau offices and an assembly room for committee or public meetings. It is essentially a farmers' proposition.

(Editors Note—This article and picture illustrating it are used through the courtesy of the Chicago Daily Drivers' Journal.)

Farmer and Labor Mix Like Oil and Water, Says Roger W. Babson

THE farmers are the backbone of our prosperity. This does not mean that the farmer makes prosperity any more than that a backbone makes a human being. There must be arms and legs that manufacture; there must be arteries, and a circulatory system that transports and distributes; and most of all there must be a brain that directs all parts of the body and causes each to help and supplement the others. It is the same with our nation. Statistics clearly show that to have a healthy country we must develop all sections, classes and industries together. It does not do a man any good to have merely a fine big backbone if his arteries are hardening or if his arms and legs are becoming paralyzed. Anything that develops one part of the body at the expense of any other is detrimental rather than helpful. One bad tooth may ruin a man's health, happiness and efficiency; and a little gallstone has sent many a man to his grave. Good health is the result of building up all parts of the body simultaneously. On the other hand, a good

backbone is necessary for a healthy man and a healthy nation, and the farmers are the backbone of America.

Oil and Water in Politics

Therefore I repeat my first statement: The farmers are the backbone of our prosperity. They keep it erect. The farms are the backlogs of our fires. They keep them from going out. The farms are the backstops of our great national game of business. They prevent us from going to pieces when threatened with defeat. The safety of our

democracy is absolutely proportional to the number of prosperous farmers that we have. No man was ever known to hang the red flag of anarchy over his own hearthstone. History shows that the decline of nations has begun when the number of its landowners began to decrease. The best insurance against Bolshevism is more successful farm owners and home owners. Such owners, however, must be successful. It does no good to have a man a landowner if he is heavily mortgaged and in constant fear of being wiped out.

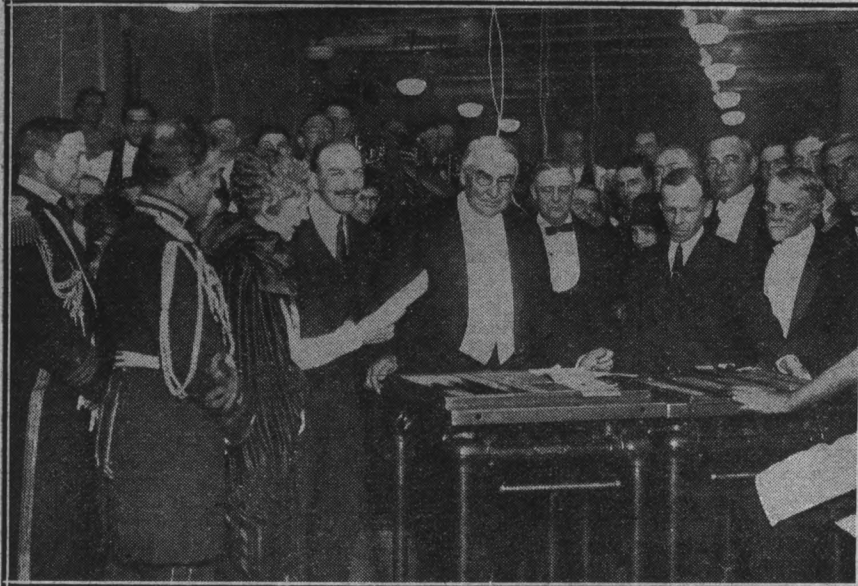
There must be contentment and a feeling of security. Hence the safety of the nation is not proportional to the number of farmers, but rather to the number of successful farmers. It may be as dangerous to have too many farmers as to have too few—if the country now has all it can profitably support.

The farmer is the backbone of the nation because he is naturally a conservative. Of course he goes off at a tangent once in thirty years. Every new generation of farmers has to have the economic diseases, the same as most children have measles, chickenpox and mumps. The last generation had its dose in 1893 to 1897; the present generation is having its now. Just about thirty years apart, are they not? Whether or not it will take this generation about four years to get the poison out of its system only the future can tell. Yet, I repeat, the farmer is by nature a conservative. He is a property owner and must stand for the protection of property rights. He is an employer and must ultimately see

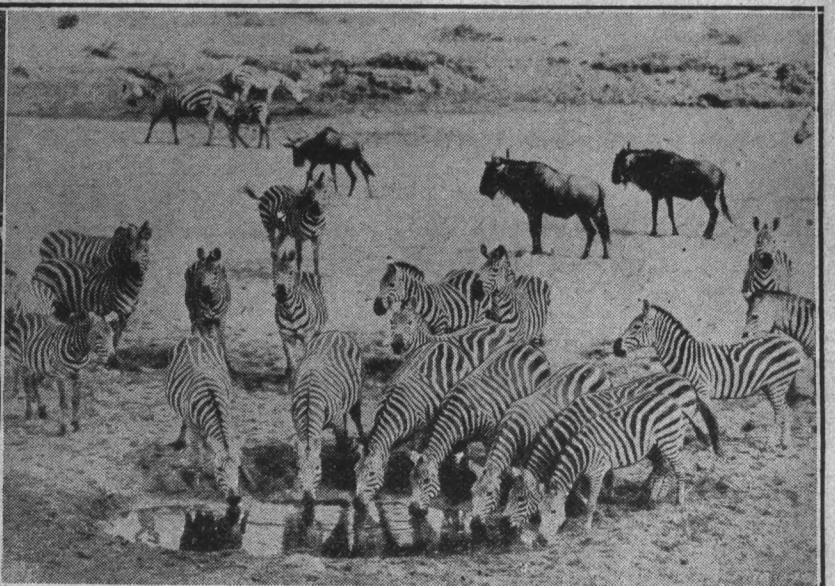
(Continued on Page 8)

ROGER W. BABSON, as you know, is one of America's greatest economists. His article, a part of which is reprinted here, by special permission of the "Saturday Evening Post," in which it appeared, is especially interesting to the farmers of Michigan, because of the repeated attempts to mix Labor and Farmer in a political movement. It may also confirm your suspicions regarding a certain type of so-called "friends of the farmer," who shout loud in political halls what they are doing for the farmer. Mr. Babson says the farmers are just getting over another "economic disease," which comes regularly every thirty years and takes about four years to run its course.

PICTURES FROM FAR AND NEAR



EDITOR HARDING MAKES UP EDITORIAL PAGE.—With a background of printers, President Harding is shown making up the editorial page of the New York Tribune in the composing room. Left to right: Capt. Adolphus Anderson, naval aide; Col. Clarence Sherrill, military aide; Mrs. Harding, who is much amused at one of the cartoons; Ogden Reid; Pres. Harding; Postmaster General New; Mrs. Ogden Reid; H. F. Dana of the editorial staff; Chairman A. D. Lasker of the Shipping Board; Brig. Gen. Sawyer, the president's physician; George J. Christian, private secretary to the president.



LOOKS LIKE A "CIRCUS COME TO TOWN"—A herd of zebras, photographed in their native haunts, in the heart of Africa by the famous explorers, Mr. and Mrs. Martin Johnson whose experiences are now being shown on the screen. In the back can be seen some specimens of the gnu, an animal that looks as though it had been assembled from spare parts. It took weeks of watchful waiting in carefully built blinds to get the intimate pictures of wild animal life. While it was not their intention to kill any of the animals they were obliged to kill several in protecting their own lives.



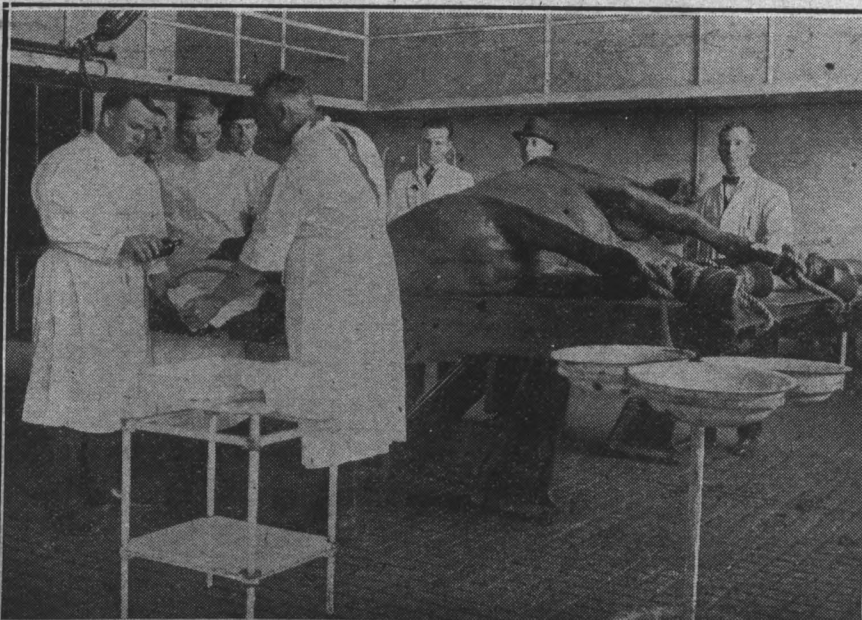
HIKING TO FRISCO, PENNILESS.—Left to right: Esther Williams and Bernice Kerns, both 25 years old, and students of the Ohio State University, at Columbus, who are hiking to California. The trip is the outcome of a dare that they could travel to the Pacific Coast without a penny and work their way. They had covered 120 miles when this picture was snapped in Cincinnati.



EVERY STREET CORNER A CHURCH.—The portable pulpit has been invented by no one less well known than Dr. Roach Stratton who plans to hold open-air meetings in front of the Cavalry Baptist Church, New York City. The pulpit is built over the engine of the automobile and is removed or adjusted to suit the speaker. Photo shows Dr. Stratton speaking from his new pulpit.



RACING THE WAVES AT SANTA MONICA.—Marie Prevost and Phyllis Haver, two beautiful maidens from movieland, are enjoying a motorcycle ride along the beach at Santa Monica, California. It is claimed that they are racing the waves but what wave could be cruel enough to try to win from such fair maidens? We wonder what the wild waves are saying.



HORSE DOCTORS TAKE NOTE.—The term of "horse doctor" is not generally used as a compliment, but science has invaded that field, and at the veterinary hospital at the University of Pennsylvania the most modern and up-to-date methods are in use for operating upon horses. Some of the most valuable horses in the East have been taken here to be fixed up. It is impossible to use ether on horses—so chloroform is the anesthetic employed. Photo shows the veterinary administering the anesthetic before operating.



MARATHON CRAZE HITS THE WORLD.—Paris started it with the dance marathon and within a few days America broke out with the dance marathon like a small boy with the measles. It even got as far as Washington, D. C. where the above was taken. Then somebody started a piano playing endurance test. This was followed by a knitting marathon in Georgia. Now a lady in Pennsylvania claims the marathon dish washing record of the world, while in Paris they are holding a drum beating contest. What next?

Own This Modern Light-Draft Spreader

IF THE MAN without a spreader knew how he could increase the crop returns from every ton of manure by using a McCormick-Deering Manure Spreader, he would change his method mighty soon. It isn't a matter of what the other fellow is doing—it is a plain dollars and cents proposition. If you waste your time at uneven spreading you lose profits that should belong to you.

The McCormick-Deering spreader performs two important operations. First, it shreds the manure—tears it to pieces as it passes through the two steel beaters and the spiral wide-spread device; second, it spreads evenly and uniformly, in any quantity desired.

Among the features of the McCormick-Deering spreader are: An auto-steer which permits the spreader to be turned in close quarters, and which eliminates neck weight; adjustment for six feed speeds; and the all-steel frame with all appliances bolted to it direct.

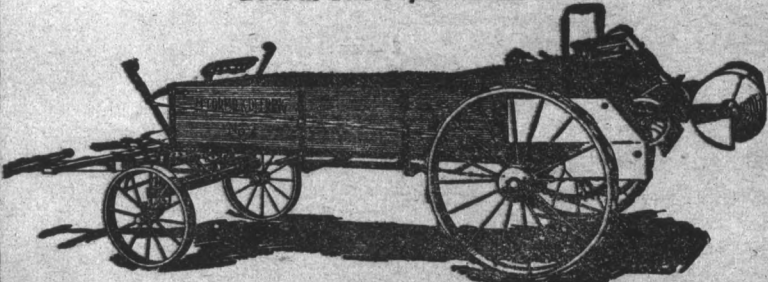
Ask the McCormick-Deering Dealer to point out these features.

INTERNATIONAL HARVESTER COMPANY

606 SO. MICHIGAN AVE. OF AMERICA CHICAGO, ILL.

McCormick-Deering Manure Spreaders

Built in Two Popular Sizes



There's Just One Reason

Of all the brands of cigars made in the state of Michigan 28 years ago CHAMPIONS alone remain. And that is because they are always the same, always uniform in flavor and workmanship.

The increasing popularity of CHAMPIONS is proof that honesty and loyalty pay in cigar making as in anything else.

HEMMETER'S CHAMPION CIGARS

Your Dealer Always Has Them

No blends or artificial flavoring—just good old ripe tobacco

28 Years of constant favor. Still hand-made, still the same tobacco.



THE HEMMETER CIGAR CO., DETROIT

WHEN WRITING TO ADVERTISERS, PLEASE MENTION THE BUSINESS FARMER

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.)

ENTITLED TO THREE MONTHS NOTICE

Would like to know if I rent a farm for money rent of a widow who has a life lease can I hold my crops or could the husband's relatives take possession of them or how should contract be worded?—C. J. E., Jackson, Michigan.

—Upon the death of the widow, the lessee of the farm would become a tenant by sufferance of the remainderman and would be entitled to three months notice to surrender possession. He would be entitled to his crops and if not harvested at the end of the three month period, would have a right to re-enter for the purpose of cultivating and harvesting his crops.—Asst. Legal Editor.

WHO PAYS TAXES

Would like your advice concerning this case: On July 17, 1922, A traded a store to B for a farm. The farm and store to be free from all encumbrances. The farm is assessed to B and the store to A. Will A have to pay the taxes on the farm?—Miss R., Delton, Michigan.

—In the presence of an agreement to the contrary, the purchaser of real property pays the taxes falling due Dec. 1st, if he purchases before that date. If the purchase is made after Dec. 1st, the seller pays the taxes. Under this rule, A would have to pay the taxes on the farm, and B, the taxes on the store.—Asst. Legal Editor.

CAN BE EXEMPT FOR FIRST FIVE YEARS

Can I be exempt from paying tax on wild 40 acres of land if I go to improve it? Is there any law about it?—F. J., Marion, Michigan.

—Act 208, P. A. 1913, governs the case in point. The substance of the act is that if a man buys wild land, forty acres or more, and lives on same and subdues and places under cultivation two or more acres a year, he can be exempted from taxation for the first five years on the property. A reference to the act will give you more details about it.—Chas. J. DeLand, Secretary of State.

WHO OWNS TIMBER?

A and B own farm adjoining with highway between. A claims highway is all on his land, B's deed calls for all land to center of highway. There is timber on B's side of roadway. Said roadway has been used by the public for over sixty years. Who owns timber?—R. L., Saranac, Michigan.

—The owner of land adjoining the highway owns to the center of the highway, unless his deed and abstract of title provide otherwise. If B's deed calls for all the land to the center of the highway, he would be the owner of the land and timber.—Asst. Legal Editor.

SECURING PATENT

Will you please inform me where and how to get an article which I have invented, patented?—R. B., Perrington, Michigan.

—Write to the Patent Office, Washington, D. C. for "Statutes and Rules of Practice" relating to application for patent. These are distributed gratuitously by the patent office and contain forms, etc., to be used in making application for patent.—Assistant Legal Editor.

ESTATE HELD JOINTLY

If man and wife owns a farm jointly and either of them leave can the one leaving receive their share of the property? What share would the wife get if she was the one to leave? If they each inherited money from home and the wife received, say \$9,000 and the husband \$3,000 can the wife get the amount she inherited over and above her share of the property if the money is tied up in the property?—T. B., Charlotte, Mich.

—Under an estate held jointly by husband and wife, each is owner of an undivided one-half interest in the whole estate. If one party leaves, or is divorced from the other, this alone does not terminate the estate,

but one party may release his or her share to the other, under some mutual agreement. Whatever part of the \$9,000 is invested in the farm, held jointly, would be included in the wife's undivided one-half interest. The balance of the \$9,000, which she inherited would be her sole property.—Asst. Legal Editor.

CAN HE LEVY AGAINST PERSONAL PROPERTY?

I shall appreciate your advice on the following: A sells farm to B. B fails to pay full amount of interest in any of the years he has had the farm; sold on contract. The contract simply states that in case B fails to perform the ordinary duties as owner A shall declare B as his tenant holding over without permission and remove them from premises retaining all that B may have paid or done. Now my question is: Can A in any way secure himself with B's personal property for the back interest? Of course the back interest does not amount to but about one-half the amount B paid as first payment. Farm is assessed to A but B has paid taxes in full.—W. V., Climax, Mich.

—If A does not wish to exercise his right of foreclosure and to dispossess B he may maintain an action at law to recover overdue interest, and could levy upon B's personal property to satisfy his judgment, in the absence of anything in the contract requiring conveyance by vendor before bringing such action.—Asst. Legal Editor.

MISREPRESENTS COW

I am a subscriber to your paper and have been for years. Will you please answer this through your columns? I bought a cow the first of last November at an auction sale, costing \$52.50. The man saying she was due to freshen February 12th. I dried her up a month before time to freshen. She isn't fresh yet and won't be for some time. I understand that property must be what it is sold for. Do you think I have a case against this man?—W. H., Central Lake, Mich.

—It is difficult to tell just when a cow will become fresh. Altho the owner should be able to determine within a month's time of the actual date, yet, unless you can show the seller deliberate misinformed you as to the date, knowing that it would be several months later than represented, it would be difficult to establish a cause of action against him.—Asst. Legal Editor.

CONSULT SUPERVISOR

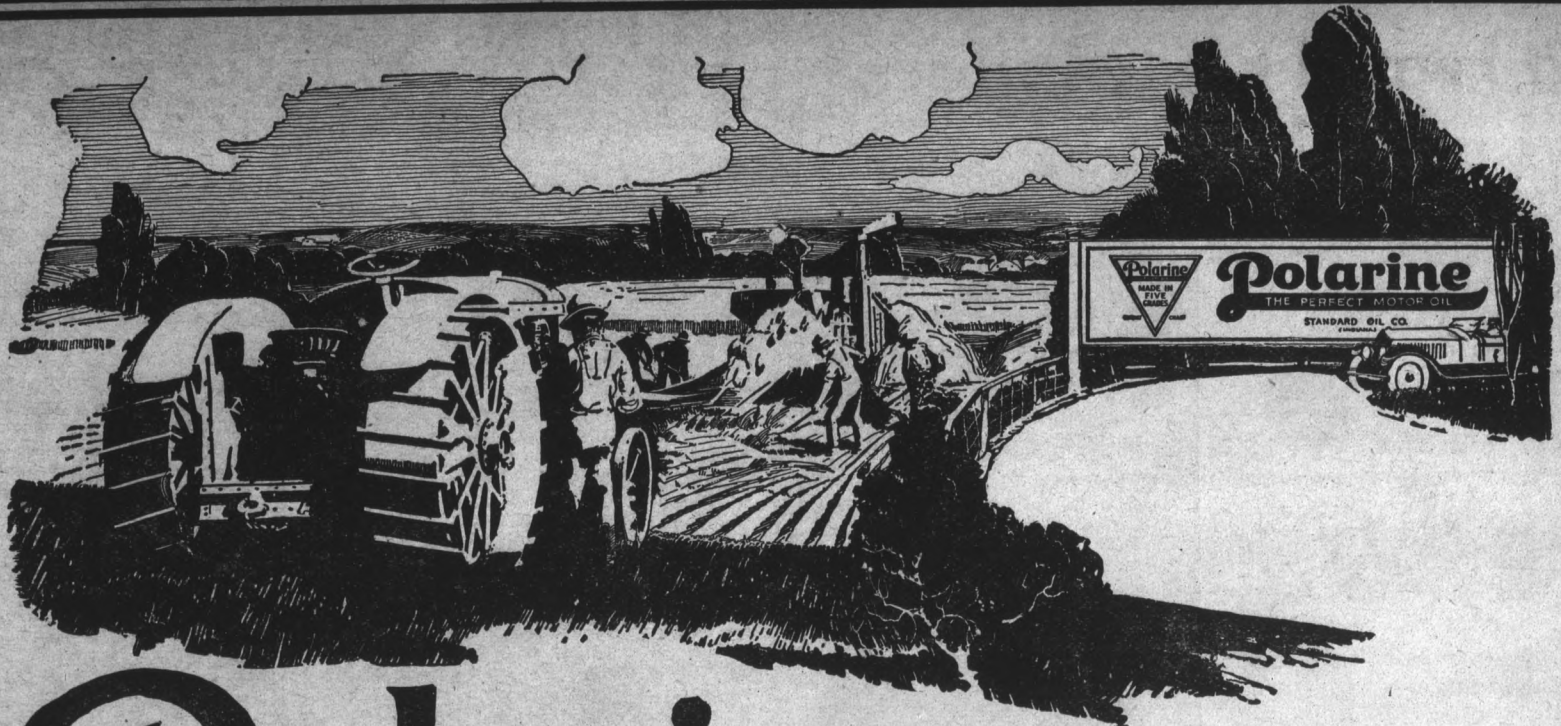
I would like to know thru the M. B. F. if Sec. 26, Art. 8 of our constitution as amended in 1916, does not say that the tax for highway purposes shall not exceed \$5 per 1,000 in any one year according to previous valuation. If so, by what authority have they got to assess us over \$13.00 per 1,000 for this purpose?—C. B., Allenton, Mich.

—The statutes provide for the building of certain roads, upon the application of persons to be benefitted by such roads, in which case those benefitted are subject to special assessment. Statutes also provide for state and federal reward roads, and special assessments therefor. I advise you to consult your supervisor to ascertain to what different purposes your road taxes are applied.—Assistant Legal Editor.

TEAM AND COWS EXEMPT

I own 40 acres of land, a team of horses, two cows, and have wife and family. Now can a concern seize and take any of those chattels or land or can they garnishee my wages?—A. C., Hellman, Michigan.

—If the 40 acres of land is owned and occupied as a homestead, it would be exempt, to the extent of \$1500.00 of its value, from levy on execution to recover for a debt. Your team of horses and two cows would be exempt. 60% of your wages would be exempt from garnishment, provided that not more than \$30.00 would be exempt and not less than \$8.00.—Assistant Legal Editor.



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THE PERFECT MOTOR OIL

Sharp Economy

Tractor Chart of Recommendations

Trade Name	Motor Oil	Trade Name	Motor Oil
Adaptable	H.	Linn	S. H.
Allis-Chalmers, 6-12	H.	Little Giant, A & B	S. H.
Allis-Chalmers, 15-25	S. H.	Magnet, 14-28	S. H.
Allis-Chalmers, 18-30	S. H.	Mark VI	S. H.
and 20-35	S. H.	McCormick-Deering, 15-30	H.
All Work	S. H.	Minneapolis, 12-25 and 17-30	S. H.
Andrews-Kinkade	E. H.	Minneapolis, 22-44 and 35-70	E. H.
Armington	S. H.	Mogul	S. H.
Aultman-Taylor, 15-30	S. H.	Moline Universal	S. H.
Aultman-Taylor, 22-45 and 30-60	S. H.	Monarch	S. H.
Automotive	S. H.	Montana	E. H.
Avery, Model C	H.	Nelson Junior and Senior	S. H.
Avery, 8-16, 12-20, 12-25, 14-23, 18-36, 25-50, 40-65, 20-35	E. H.	Oil Gas, 20-42 and 25-50	E. H.
Avery Track Runner	S. H.	Peoria	E. H.
Bates Steel Mule, All Models	S. H.	Pioneer, 18-36 and 30-60	E. H.
Best Tractor, All Models	E. H.	Port Huron	S. H.
Big Farmer	E. H.	Quadpull	S. H.
Big Four E-B	E. H.	Reed	S. H.
Buckeye Trundaar	S. H.	Rex	S. H.
Burnoil	E. H.	Rogers	E. H.
Capitol, All Models	E. H.	Rumley, Oil Pull, 12-20, 16-30 and 20-40	E. H.
Case, 10-18, 10-20, 12-20, 15-27, 9-18	H.	Rumley, Oil Pull, 30-60	E. H.
Case, 22-40	S. H.	Russell "Junior", 12-24	S. H.
Case, 12-25, 30-60, 40-72	E. H.	Russell Boss	S. H.
Case, 20-40	E. H.	Russell "Giant", 30-60	E. H.
Cletrac, All Models	S. H.	Sampson, Model M	H.
Coleman	E. H.	Savage A	E. H.
Dart Blue "J"	S. H.	Shawnee, 6-12 and 9-18	H.
Dill Harvesting	H.	Shelby, All Models	S. H.
Eagle	E. H.	Square Turn	E. H.
E-B, All Models	S. H.	Stinson	S. H.
Ellwood	S. H.	Titan	S. H.
Farm Horse	E. H.	Topp-Stewart	S. H.
Farquhar, 15-25	S. H.	Townsend	E. H.
Farquhar, 18-35 and 25-50	S. H.	Traylor	H.
Fitch Four Drive	E. H.	Trundaar	S. H.
Flour City Junior	H.	Twin Ports	E. H.
Flour City, 20-35	S. H.	Twin City, 12-20 and 20-35	S. H.
Flour City, 30-60, 40-70	E. H.	Twin City, 40-65 and 60-90	E. H.
Fordson	H.	Uncle Sam, All Models	S. H.
Fox	E. H.	Wallis	S. H.
Frick, All Models	S. H.	Waterloo Boy	S. H.
Good Field	H.	Wellington, 12-22 and 15-30	S. H.
G-O	S. H.	Wetmore	S. H.
Grain Belt	S. H.	Wheat	S. H.
Gray	S. H.	Western	E. H.
Great Western	S. H.	Wisconsin	E. H.
Hadfield-Penfield	S. H.	Yuba Ball Tread	S. H.
Hart-Parr, All Models	E. H.		
Heider	S. H.		
Holt Caterpillar, All Models	E. H.		
Huber, All Models	S. H.		
Indiana	H.		
International, 8-16	S. H.		
International, 15-30	S. H.		
Klumb	E. H.		
Lasson, All Models	S. H.		
Leader	E. H.		
Leonard Four Wheel Drive	S. H.		
Liberty	E. H.		
Lincoln	S. H.		

KEY
 L.—Polarine Light.
 M.—Polarine Medium.
 H.—Polarine Heavy.
 S.H.—Polarine Special Heavy.
 E. H.—Polarine Extra Heavy.

N. B. For recommendations of grades of Polarine to use in automobile and trucks consult chart at any Standard Oil Co. (Indiana) Station.

MANY farmers do not realize the tremendous waste due to wrong lubrication. They do not charge against the motor oil such matters as scored cylinders — overheating — too much carbon — too much exhaust smoke — too high consumption of gas.

Yet the right grade of Polarine—indicated in the chart frequently corrects all these troubles. Polarine means economy in operation, as well as added flexibility and power.

The reason why Polarine is good, begins with fundamentals. Polarine is made from selected crudes—high in lubricating value. Polarine is manufactured in modern refineries. It is made according to the findings of the world's leading petroleum chemists in co-operation with the designers of the very tractors for which the oil is intended.

Use Polarine Made In Five Grades
 THE PERFECT MOTOR OIL

It is tested, scientifically, in hundreds of tests—in all kinds of engines—under all field conditions.

at all times, provided the grade indicated in the Chart is used.

Polarine is dependable at all motor speeds—at all temperatures—because it holds together. It maintains its body, does not disintegrate under pressure, will correctly lubricate your tractor

Polarine is elastic. It forms a perfect cushion, an unbroken film between the moving metal parts. Yet it offers minimum resistance to motion and maximum flexibility. Change your motor oil very frequently and use Polarine.



Standard Oil Company, 910 So. Michigan Ave. Chicago, Illinois
 (Indiana) 3152

A Farmer's Engine

The Farmer with a good big job wants a good engine just as much as he wants a good separator.

Good, strong, steady power is just as necessary as a good separator. A lack of steady power means poor threshing, poor separation and poor cleaning.

You do not want a threshing outfit that breaks down or has to stop and wait for steam, letting hands stand idle at your expense.

You work hard to plant, grow and harvest a crop and you do not want it wasted. Hire a

Red River Special

outfit with a Nichols-Shepard Steam or Oil-Gas Tractor and

Save Your Thresh Bill

The reason is that it is correctly designed and strongly made.

Get the right outfit to do your threshing and put the money in your pocket that other kinds waste.

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SPECIAL OFFER—300 STRAWBERRY Plants, 150 Senator Dunlap, 150 Warrfield, \$2.00 postpaid. Satisfaction guaranteed. J. E. HAMP-TON & SON, Bangor, Michigan.

MICHIGAN CROPS

SEED TO ALFALFA AND BARLEY

I have a lot I wish to seed to alfalfa. Soil is light. Have grown corn and cowpeas on it the last two years. Land is in fair condition. I think of liming this spring, planting early to beans, then work well and seed to alfalfa after beans are harvested, sowing a few oats for cover. Would you advise this course?—L. H., Augusta, Michigan.

—I am of the opinion that you will get much better results by seeding alfalfa this spring or early next spring, using one bushel of barley as a companion crop. There is considerable risk in seeding in late August or September after beans. Should we have as favorable a fall season as during the past year, you would get a stand but should frost come early or should the September season prove very dry, it is not likely that alfalfa would catch well.

On land such as you describe, lime should be used at the rate of two tons per acre of finely ground limestone. It is important that northern grown or Michigan alfalfa seed, preferably the Grimm be planted.—J. F. Cox, Professor of Farm Crops, M. A. C.

CHANGING TIMES

By JOHN T. BARTLETT

A MILK FOOD DRINK

At one time in our national existence, the village milk man drove his cow to the centre of the town, beneath a friendly tree, and there served his customers, who came to him with buckets. They saw him milk and knew just what they got. It was milk distribution made as simple as the times knew how to make it. In some foreign countries today, goat milkmen drive their nannies from door to door.

The milk distribution system has been a long time changing—and the end is not yet. Recently, a Denver milk distributing organization has established a service for customers which should increase the consumption of milk in a strategic direction.

Of late years, the soda fountain has consumed greatly increasing quantities of dairy products. The soda fountain is a habit, a passion, or a necessity to millions. One of the soda fountain drinks just introduced in the west makes a delectable concoction in combination with milk. A little of the new preparation, and quite a little milk, and the consumer gets something pretty fine.

What the enterprising milk distributors did was to make an arrangement with the manufacturers of the preparation whereby the distributor could bottle it with milk, and sell it to customers along with milk. The bottled product costs only about two cents a quart more than ordinary whole milk. The dairy organization spent large sums telling Denver consumers what they could now obtain, and introduced the new service. Great quantities of the bottled milk drink are being sold in this manner.

Families drink it ice cold, or steaming hot, as they prefer. Children like it, and it has proved the solution of the milk problem in the case of many a child who refused whole milk. The child likes the rosey color of the new drink, and its distinctive flavor.

This means one more good way for increasing milk consumption.

By the way, did you know that milk is transported these days in great tank auto trucks?

A HIGHER RETAIL PRICE LEVEL

All the elements entering into distribution cost soared during the World War period.

Cost of container.

Freight rates.

Wages of city workers engaged in physical distribution.

And since all businesses make gross profit a percentage of cost price, all margins increased. A 50 per cent mark up on \$1 is 50c—one \$1.50 is 75c. Unit profits went up. Some of these things came down in the deflation period, but they together only eased off a little, and the future is likely to see them advancing again. Distribution costs have become one of the great problems of the times. They have submerged many farmers the past two years. So great have they become that, did a

sack of potatoes cost nothing as it was loaded on a Minnesota car, or a box of apples nothing as it left a Michigan siding, the cost delivered to the consumer would be considerable. It would have to be considerable. Just freight cost, handling costs, middlemen's gross profits would make it a substantial figure.

How is his going to end? From the economic standpoint, the practical solution—with a general advance in labor costs already under way—seems clearly indicated. It is a much higher level of consumer food prices. In old price levels, there is not room for modern distribution costs, and a profit to the farmer. There is room, if the consumer will pay the farmer more, as it now pays transportation companies, the middlemen, more.

A campaign for higher retail price levels is in order. The consumer is reconciled to paying a new high level for building materials and many other things. When he accepts a similar high level for farm products taking it as a matter of course, distribution costs will not obtrude as a crucial problem, for there will be room for them. There is not this room, with pre-war, or near pre-war levels.

FARMER AND LABOR MIX LIKE OIL AND WATER

(Continued from Page 4)

things from an employer's point of view. It is well enough for pink professors to write about Farmer-Labor parties; but it would just as practical to expect an Oil-and-Water party. A man will love a life-preserver when he is in distress overboard; but he quickly loses his interest in the thing after he gets back on dry land. He does not think enough of it to carry it home as a souvenir, even though it saved his life. The farmers are glad to use labor to help them put through some pet scheme; but if labor thinks it can depend upon the farmers' vote to help increase wages and reduce working hours, labor will be most terribly mistaken.

During the war I assisted Secretary of Labor Wilson in the important work of increasing production. With wheat pegged at \$2.50 a bushel the farmers were, of course, tremendously interested in our efforts. The farmers then through the Department of Labor was doing a fine work and they were very sympathetic with our efforts. Some even suggested that we should take over the Department of Agriculture because labor and agriculture were working for the same end. After the war was over, however, and the price of wheat went down with a bang, they quickly forgot the Department of Labor. Although during the war hardly a week went by when we were not visited by a complimentary farmer delegation, I doubt if one such farmer delegation has been near the department since the Armistice was signed. They were then no longer interested in increasing production. Reduced wages was what the farmers wanted in 1919 and 1920. Now, of course, it was not the function of the Department of Labor to work for reduced wages.

"The department was established for improving the welfare of the wage earners," we told the Grange officials, "hence we do not feel justified in inaugurating any campaign to lower wages, even for farm labor. Let wages take their natural course. They will anyway."

"Very well," replied the farmers. "We thought you were our friends, but we see you are not. Guess we had better stick to the Department of Agriculture, for when we farmers flirt with labor we are playing with fire and are likely to get our fingers burned."

A QUEEN'S ENGLISH

Mrs. Stevens had offered liberal wages and privileges, but still the general house-worker seemed a little undecided about coming. "Do you do your own stretchin'?" she asked suddenly. "Do we do our own what?" Mrs. Stevens asked, puzzled. "Stretchin'," repeated the woman. "Do you put all the food on the table and stretch for it yourself, or do I have to shuffle it around for you?"—Successful Farming.

PORK BARREL POLITICS

"Mrs. Jones, kin Johnny go with us to see Elihu root?" "Why, I didn't know he was to be in town." "Whatcha mean, in town? Elihu's our big red hawg!"—Orchard and Farm.

HIS BUSY DAY

He—You know I love you; will you marry me? She—But my dear boy, I refused you only a week ago. He—Oh, was that you?—Orchard and Farm.

Write for free booklets on Farm Sanitation

They contain practical suggestions for the prevention of diseases common to livestock and poultry and describe in detail the many uses of

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Easy Payments

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Why Not PUT THIS NEW MILL ON YOUR OLD TOWER

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Albion steel and wood mill is quiet and powerful. One-third the working power of any other mill. One man, 15 min. time, select a size. This is efficient, and only a few dollars. Complete by detachable weight without springs. Fits any 4-post tower. Why not double production from your old tower? Write for this in your chamber—F. O. B. Albion. Erect it yourself. Ask your dealer, or write direct to Union Steel Products Co. Ltd., Dept. 34, Albion, Mich., U. S. A.

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HOISTS FOR FORD TRUCKS \$27

Fully Guaranteed—We pay the Freight. Circular Free. Dependable Mfg. Co., Streator, Ill.

"BECAUSE OF YOUR LITTLE FAITH"

A SERMON BY REV. DAVID F. WARNER

TEXT: Matt. 17:19, 20a. "Then came the disciples to Jesus apart, and said: 'Why could not we cast it out?' And he saith unto them: 'Because of your little faith.'"

HERE we look in on the same disciples that were given "power over unclean spirits to cast them out." Similarly, other seventy were given this power and returned one day to say, "Lord, even the devils are subject unto us thru thy name." But here, how changed! We hear them saying, "Lord, why could not we cast it out?" Has the Lord changed? No, but the disciples have and therefore suffered defeat.

There the boy stands in the very presence of the multitude challenging the reputed power of Christ thru the disciples. There is the father, pleading and importuning, but his expectancy gives way to hopelessness and disappointment in not seeing the demon cast out. The scribes and Pharisees standing by said, "I told you so." How like those formal and superficial religionists today who shriek, "Didn't I tell you so" when the on-going movements of the church apparently fail—But may I parenthesize that all Godly enterprises go forward. Growth and progress is the norm of life. And I'd rather be an enthusiast in the van than a sullen follower in the rear.—But O, how those baffled disciples, in the midst of that on looking multitude, longed for the Master to come down from the mountain! And he came, he spoke, and the demon went out and the boy was cured from that very hour. The religion of faith triumphed.

Faith is the source of sin-repelling power. There are those who say we need not expect such fullness of power today. They idealize the early church with her phenomenal growth and her apostolic teachers who were direct acquaintances of Christ in the flesh. But let us see what we have to keep this faith alive.

We have the same sin-cleansing Gospel. Man's physical needs are supplied thru the same physical laws as then; and so his spiritual needs. Human spirits abide and they must be fed upon the love of God no matter what may be the superficial life of man; his race, occupation, education, or position. The atoning Gospel yet addresses itself to the needs of the heart and cures. You must believe this or you are but a stumbling-block in the on-going of the Kingdom.

We have the same spirit abiding, wooing, and comforting. He came that the greater works might be done. The same spirit that tore away a Saul from the legalism of the Pharisees and sent him out a pulsating apostle to the gentiles, is the spirit of the Wesleys, the Moodys and the Judsons. This is the same spirit that prompts the hard-working farmer to go about his labor in the enthusiasm of Christian purpose. Perspiring and blackened by the dirt of his shop, Elihu Burrit, the learned blacksmith, sang away with the music of hammer and anvil. Said one to him, "Why are you so happy?" "Oh, said he, "I am sending the Gospel to the heathen." Yes, the same spirit as of old. My friend, get out from under the "juniper tree." There are millions living who have not and will not bow the knee to Baal. And you must believe it.

We have the same Lord, yesterday, today, and forever. We saw him in his marvelous works; followed him to the tomb and ascension; only to go away vitalized with the spirit of triumph in his promise to be with us unto the end. And my personal faith is, that the masses are more sensible today of his presence and power than ever before. And you, too, must believe it, else we are in for defeat.

Even so, to find the source of our failure, we are thrown back upon ourselves. We have lacked in a profound, spiritual devotion to Christ. Give us a man of faith and we have a man tenacious in purpose, supreme in power, and married to the accomplishment of one, great dominant thing in life. It was in June in the state of Iowa. I stood looking at two of the finest corn fields I had ever seen. Each had fifty acres or

more. And the entire farm was a model of neatness and prosperity. I said to a friend and ex-senator of the state, "Tell me about that farmer." "He is one of our own boys," said he, "and had only such schooling as our own country school provided. But the other day I received a letter from an agricultural college asking me to secure him for their experiment farm." "But why was he such a success?" "Well, he had faith in his job and he mixed plenty of hard work with it," said he. Verily, faith chloroforms all fear in the soul, gives it courage and daring, and fits it for great and loving deeds.

So, it is not a new church, nor a new system of government or church policy, nor organization as helpful as this is, but an implicit faith in a conquering Christ and an unwearied confidence in the power of the Gospel to regenerate that guarantees victory. And here some of us will have to seek our prayer closets and have it out with the devil before we can feel this healing power.

But what will no little faith do? It will regenerate the churches. And they need it. It will set the altar fires going in their sanctuaries. My and your church owes to the community the most helpful kind of spiritual worship. Every devotional period should be warmed with the fire and radiation of Pentecostal hearts; hearts so wrought up in faith as to convince every saint and sinner of the Bethel nature of the place. But many of us are spiritual illusions. We present to others a deceptive appearance.

And why isn't the average church

a flattering success? Because the average church member is not such a success. He has rejected the new vision and has not allowed the spirit of Christ and the apostles to set the pace for him. He is too smugly content with his own church and society; his own gains and comforts. He is busy satisfying the personal equation while vast surges of lost men go sweeping by him. We sing, "Make me a blessing today," with not enough intelligent faith to know what that means. May I suggest it is the way of the bleeding heart, for only so did our Lord qualify to bless us. "When Zion travaileth she shall bring forth."

No, the Lord has not changed. But many modern disciples have. Why should we pride ourselves in a Gospel faith when our neighbor does not know of it? Why, he scarcely got settled before the grocer, butcher, and politician found him, and you have not found him in these years. Everywhere on the farms and streets, in the stores and markets, are people famishing for the bread of life. Though you have but a few loaves and fishes, give and the Master will bless wondrously.

But how shall vital faith be sustained? By constancy in prayer and devotion. "This kind goeth not out but by prayer and fasting." The disciples, in their busy rounds failed to keep up the devotional life and consequently lost confidence and power. Has not the same spiritual paralysis come over us? In the outwardness and activities of the Christian life, the frictions and distractions of the world are so liable to tear us loose from the fellowship of Christ and power. A good, grandfather Martin oft retired to a secluded spot on the rear of his little farm for trysting with

God. He actually believed that one had to go out into the mountains and deserts with his Lord in prayer if one would work for him. "The effectual, fervent prayer of a righteous man availeth much."

And fasting. The purpose of self-denial must be strongly set in our lives. We qualify to enter the Kingdom through cutting off hand and foot, said Jesus. But in likemanner, we qualify for service and power in the Kingdom through continued self-denial. Mark those who are given over to self indulgence and there follows moral weakness and inefficiency. We must enter the gymnasium of self-control and self limitation to have our lives disciplined for strength and power.

Vital, growing faith will give us power. After the San Francisco earth-quake disaster, a Chicago daily came out with a cartoon on its front page, in which lay a powerful suggestion. The center of the picture showed a devastated city filled with grief-stricken, hungry people, sheltered in tents and being fed on charity. At one side, standing on an eminence which overlooked this ruin, stood a man. He was dressed in the clothes of the laborer. His line of vision is centered in a great cloud of smoke which overhung the ruins. In the center of this cloud he sees the restored San Francisco, beautiful and prosperous. And with the tools for the task, he descends in faith and courage to reconstruct the city of his vision.

If we stand with Christ on the Transfiguration mount, become steeped in that holy communion, and get the Master's vision of a sin-cursed humanity, it is then that we catch his spirit and descend with him in power to bless the world through a working, challenging faith.

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The Hunted Woman

By James Oliver Curwood

Michigan's Own and America's Foremost Author of the Great Northwest

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(Continued from May 12th issue)

THEIR eyes met steadily. "If you are, Johnny," went on MacDonald in a low voice, "I'd take her with me. An' if you ain't, I'd leave these mount'ins to-night an' never look in her sweet face again as long as I lived."

"You'd take her along?" demanded Aldous eagerly.

"I would. I've been thinkin' it over to-night. An' something seemed to tell me we mustn't dare leave her here alone. There's just two things to do, Johnny. You've got to stay with her an' let me go on alone or—you've got to take her."

Slowly Aldous shook his head. He looked at his watch. It was a little after ten.

"If I could make myself believe that she would not be safe here—I would take her," he said. "But I can't quite make up my mind to that, Mac. She will be in good hands with the Blacktons. I will warn Paul. Joanne is determined to go, and I know she will think it pretty indecent to be told emphatically that she can't go. But I've got to do it. I can't see—"

A break in the stillness of the night stopped him with the suddenness of a bullet in his brain. It was a scream—a woman's scream, and there followed it shriek after shriek, until the black forest trembled with fear and agony of the cries, and John Aldous stood as if stricken with power to move or act. Donald MacDonald roused him into life. With a roar in his beard, he sprang forth into the darkness. And John Aldous followed, a hot sweat of fear in his blood where a moment before had been only a chill of wonder and horror. For in Donald's savage beast-like cry he had caught Joanne's name, and an answering cry broke from his own lips as he followed the great gaunt form that was tearing with the madness of a wounded bear ahead of him through the night.

CHAPTER XXII

NOT until they had rushed up out of the coulee and had reached the pathlike trail did the screaming cease. For barely an instant MacDonald paused, and then ran on with a speed that taxed Aldous to keep up. When they came to the little open amphitheatre in the forest MacDonald halted again. Their hearts were thumping like hammers, and the old mountaineer's voice came husky and choking when he spoke.

"It wasn't far—from here!" he panted.

Scarcely had he uttered the words when he sped on again. Three minutes later they came to where the trail crossed the edge of a small rock-cluttered meadow, and with a sudden spurt Aldous darted ahead of MacDonald into this opening, where he saw two figures in the moonlight. Half a dozen feet from them he stopped with a cry of horror. They were Paul and Peggy Blackton! Peggy was disheveled and sobbing, and frantically clutching at her husband. It was Paul Blackton who dragged the cry from his lips. The contractor was swaying. He was hatless; his face was covered with blood, and his eyes were only half open, as if he were fighting to pull himself back to consciousness after a terrible blow. Peggy's hair was down, her dress was torn at the throat, and she was panting so that for a moment she could not speak.

"They've got—Joanne!" she cried then. "They went—there!"

She pointed, and Aldous ran where she pointed—into the timber on the far side of the little meadow. MacDonald caught his arm as they ran.

"You go straight in," he commanded. "I'll swing—to right—toward river—"

For two minutes after that Aldous tope straight ahead. Then for barely a moment he stopped. He had not paused to question Peggy Blackton. His own fears told him who Joanne's abductors were. They were men working under instructions from Quade. And they could not be far away, for scarcely ten minutes had passed since the first scream. He listened, and held his breath so that

the terrific beating of his heart would not drown the sound of crackling brush. All at once the blood in him was frozen by a fierce yell. It was MacDonald, a couple of hundred yards to his right, and after that yell came the bellowing shout of his name.

"Johnny! Johnny! Oh, Johnny!" He dashed in MacDonald's direction, and a few moments later heard the crash of bodies in the undergrowth. Fifty seconds more and he was in the arena. MacDonald was fighting three men in a space over which the sprucetops grew thinly. The moon shone upon them as they swayed in a struggling mass, and as Aldous sprang to the combat one of the three reeled backward and fell as if struck by a battering-ram. In that same moment MacDonald went down, and Aldous struck a terrific blow with the but of his heavy Savage. He missed, and the momentum of his blow carried him over MacDonald. He tripped and fell. By the time he had regained his feet the two men had disappeared into the thick shadows of the forest. Aldous whirled toward the third man, whom he had seen fall. He, too, had disappeared. A little lamely old Donald brought himself to his feet. He was smiling.

"Now, what do 'ee think, Johnny?"

"Where is she? Where is Joanne?" demanded Aldous.

"Twenty feet behind you, Johnny, gagged an' trussed up nice as a whistle! If they hadn't stopped to do that work you wouldn't ha' seen her ag'in, Johnny—s'elp me, God, you wouldn't; They was hikin' for the river. Once they reached the Frazer, and a boat—"

He broke off to lead Aldous to a clump of dwarf spruce. Behind this, white and still in the moonlight, but with eyes wide open and filled with horror, lay Joanne. Hands and feet were bound, and a big handkerchief was tied over her mouth. Twenty seconds later Aldous held her shivering and sobbing and laughing hysterically by turns in his arms, while MacDonald's voice brought Paul and Peggy Blackton to them. Blackton had recovered from the blow that had dazed him. Over Joanne's head he stared at Aldous. And MacDonald was staring at Blackton. His eyes were burning a little darkly.

"It's all come out all right," he said, "but it ain't a special nice time o' night to be taking a' evening walk in this locality with a couple o' ladies!"

Blackton was still staring at Aldous, with Peggy clutching his arm as if afraid of losing him.

It was Peggy who answered MacDonald.

"And it was a nice time of night for you to send a message asking us to bring Joanne down the trail!" she cried, her voice trembling.

"We—" began Aldous, when he saw a sudden warning movement on MacDonald's part, and stopped. "Let us take the ladies home," he said.

With Joanne clinging to him, he led the way. Behind them all MacDonald growled loudly:

"There's got t' be something done with these damned beasts of burriners. It's gettin' so no woman ain't safe at night!"

Twenty minutes later they reached the bungalow. Leaving Joanne and Peggy inside, now as busily excited as two phoebe birds, and after Joanne had insisted upon Aldous sleeping at the Blacktons' that night, the two men accompanied MacDonald a few steps on his way back to camp.

As soon as they were out of earshot Blackton began cursing softly under his breath.

"So you didn't send that damned note?" he asked. "You haven't said so, but I've guessed you didn't send it!"

"No, we didn't send a note."

"And you had a reason—you and MacDonald—for not wanting the girls to know the truth?"

"A mighty good reason," said Aldous. "I've got to thank MacDonald for closing my mouth at the

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right moment. I was about to give it away. And now, Blackton, I've got to confide in you. But before I do that I want your word that you will repeat nothing of what I say to another person—even your wife."

Blackton nodded. "Go on," he said. "I've suspected a thing or two, Aldous. I'll give you my word. Go on."

As briefly as possible, and without going deeply into detail, Aldous told of Quade and his plot to secure possession of Joanne.

"And this is his work," he finished. "I've told you this, Paul, so that you won't worry about Peggy. You can see from to-night's events that they were not after her, but wanted Joanne. Joanne must not learn the truth. And your wife must not know. I am going to settle with Quade. Just how and where and when I'm going to settle with him I don't care to say now. But he's going to answer to me. And he's going to answer soon."

Blackton whistled softly. "A boy brought the note," he said. "He stood in the dark when he handed it to me. And I didn't recognize any one of the three men who jumped out on us. I didn't have much chance to fight, but if there's any one on the face of the earth who has got it over Peggy when it comes to screaming, I'd like to know her name! Joanne didn't have time to make a sound. But they didn't touch Peggy until she began screaming, and then one of the men began choking her. They laid me out with a club, so I was helpless. Good God—"

He shuddered. "They were river men," said MacDonald. "Probably some of Tomman's scow-men. They were making for the river."

A few minutes later, when Aldous was saying good-night to MacDonald, the old hunter said again, in a whisper:

"Now what do 'ee think, Johnny?" "That you are right, Mac," replied Aldous in a low voice. "There is no longer a choice. Joanne must go with us. You will come early?"

"At dawn, Johnny." He returned to the bungalow with Blackton, and until midnight the lights there burned brightly while the two men answered a thousand questions about the night's adventure, and Aldous told of his and Joanne's plans for the next day.

It was half-past twelve when he locked the door of his room and sat down to think.

CHAPTER XXIII

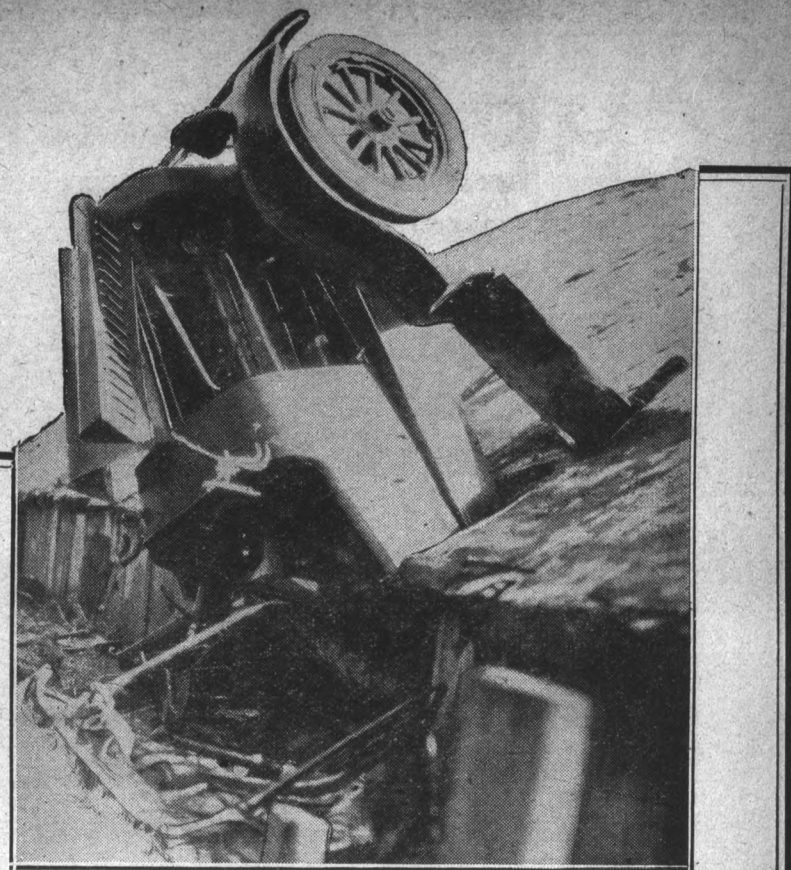
THERE was no longer doubt in the mind of John Aldous now. The attempt upon Joanne had left him but one course to pursue: he must take her with him, in spite

of the monumental objections which he had seen a few hours before. He realized what a fight this would mean for him, and with what cleverness and resource he must play his part. Joanne had not given herself to him as she had once given herself to Mortimer FitzHugh. In the "coyote," when they had faced death, she had told him that were there to be a to-morrow in life for them she would have given herself to him utterly and without reservation. And that to-morrow had dawned. It was present. She was his wife. And she had come to him as she had promised. In her eyes he had seen love and trust and faith—and a glorious happiness. She had made no effort to hide that happiness from him. Consciousness of it filled him with his own great happiness, and yet it made him realize even more deeply how hard his fight was to be. She was his wife. In a hundred little ways she had shown him that she was proud of her wifehood. And again he told himself that she had come to him as she had promised, that she had given in to his keeping all that she had to give. And yet—she was not his wife!

He groaned aloud, and his fingers dug into the flesh of his knees as he thought of that. Could he keep that terrible truth from her? If she went with him into the North, would she not guess? And, even though he kept the truth from her until Mortimer FitzHugh was dead, would he be playing fair with her? Again he went over all that he had gone over before. He knew that Joanne would leave him tomorrow, and probably forever, if he told her that FitzHugh was alive. The law could not help him, for only death—and never divorce—would free her. Within himself he decided for the last time. He was about to do the one thing left for him to do. And it was the honorable thing, for it meant freedom for her and happiness for them both. To him, Donald MacDonald had become a man who lived very close to the heart and the right of things, and Donald had said that he should take her. This was the greatest proof that he was right.

But could he keep Joanne from guessing? Could he keep her from discovering the truth until it was time for her to know the truth? In this necessity of keeping her from suspecting that something was wrong he saw his greatest fight. Compared with it, the final settlement with Quade and Mortimer FitzHugh sank into a second importance. He knew what would happen then. But Joanne—Joanne on the trail, as his wife—

(Continued June 9th Issue)



Accidents Like the Above May Happen

With the large number of heavy trucks and automobile busses running on the highways your car may be run into and shoved off the highway into the ditch, making a complete wreck. The driver of the other car may be worthless and you will need automobile insurance to take care of your loss. On the other hand, in case of a collision in which the automobile is damaged and people injured, there is the usual argument as to who is at fault.

Mr. FARMER, if you have invested from \$500 to \$3,000 in an automobile, can you afford to take the risk with the increasing danger upon all highways and city streets of the state? Why not insure in the pioneer mutual that is now starting its ninth season of success and therefore is organized to give you service and to protect your rights? Every regular policy carries liability to \$5,000 and fire and theft not exceeding \$1,000. Collision and additional fire and theft can be had at reasonable rates.

On May 1st the total cash assets of the company were \$225,412.20 which, with office building and other assets amounting to \$49,690.49, makes total assets of \$275,102.69.

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Uncle Rube Spinach Says:

IS SUGAR SCARCE?
FOLKS'S, we've been told fer a long time there wuz a scars'ty of sugar, 'at the sugar crop wuz short of what it ort to be an' the price has been mountin' higher'n higher for a long time an' we've been payin' the higher prices 'thout sayin' a word, ain't we? In some places they've only let us have two or three pounds at a time; jest like war times, you know.

Well today, bein' sort o' out o' order, mentally and physically, I went snoopin' round as I sometimes snoop an' I found two places, retail groceries, an' I wuz lookin' into their warehouses. Well, in one, where there's been a shortage of sugar for some time, sacks of sugar piled twelve high in tiers ten wide an' extendin' back in a room I'd say, wuz 30 or 40 feet long met my gaze. In another, just a little farther down the street, I saw sugar piled eight high an' seven wide an' I couldn't see how far back it wuz. You know they don't 'low visitors in their back rooms an' only fer my snoopin' habits I wouldn't have known anything 'bout this. But folks, what I did see is enough to convince me, if it don't you, that we are bein' held up by somebody. I'm not sayin' who—mebbe I think I know—I do know this, the sugar I saw wasn't put in there yesterday nor the day before—Somebody told 'em to buy an' they bought. You are payin' for the investment, ain't you?
An' it's that way with almost

everything. Apples that the farmers wuz glad to get fifty cents fer last fall have sold fer ten cents per pound all winter. Potatoes that had no market on the farm, sold fer fifty cents a peck. Even cabbages that were so plentiful an' the farmers had to almost give 'em away sold fer three an' five cents a pound.

Dear farmer friends, can't you see there's got to be a different way of sellin' your stuff? It's not a fair deal to you fer the middleman to get sixty-five cents out of every dollar's worth of stuff you sell. An' yet that's jest what they're doin'—milk, eggs, butter—everything you sell. Figure what you get an' then ask any consumer in the city what he pays.

There is no sugar shortage. If there wuz no merchant could pile up fifty or a hundred tofs of it. There is no shortage of anything jest now except farm help—there is a shortage of that 'cause the city offers better wages 'an the farmer can pay. But wait a little while, jest stay where you are. Soon the tide will change, somebody'll want something to eat an' it wont be before him. Farm prices must go higher or somebody must go hungry. Jest stick to her boys fer a little while—somebody will be sick or whistle—just to keep his spirits up. Say, join some good farm organization like the Farm Bureau or somethin' an' sell your stuff in a business way. I guess it's jest 'bout all I can say. Cordially yours. UNCLE RUBE.

FINANCIAL STATEMENT

At Close of Business, April 30th, 1923.

ASSETS

Cash in Banks and in Office,.....	\$ 75,261.30
Cash in Banks, Savings Acct.,.....	143,000.00
Cash in Hands of Agents,.....	7,150.90
Total Cash Assets,.....	\$225,412.20
Accrued Interest, Cert. of Deposit,.....	4,463.05
Office Site and Building,.....	27,727.44
Furniture and Equipment,.....	12,000.00
Salvage Department,.....	5,500.00
Total Assets,.....	\$275,102.69

LIABILITIES

Claims in Process of Adjustment, estimated,.....	\$ 30,000.00
Accrued Salaries and Fees,.....	4,170.50
Current Bills,.....	0.00
Total Current Liabilities,.....	\$ 34,170.50
Surplus,	\$240,932.19
Total Liabilities,.....	\$275,102.69

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Howell, Michigan

The Michigan BUSINESS FARMER

SATURDAY, MAY 26, 1923

Edited and Published by
THE RURAL PUBLISHING COMPANY, Inc.
GEORGE M. SLOCUM, President
Mt. Clemens, Michigan

Represented in New York, Chicago, St. Louis and Minneapolis by
the Associated Farm Papers, Incorporated
Member of Agricultural Publishers Association
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"The Farm Paper of Service"

DIRTY POLITICS

IT is to be hoped that few farmers were actually gullible enough to wallow in the slime of dirty gossip which was given to the city newspapers last week from Lansing, regarding the honor and character of David Friday, president of the Michigan Agricultural College.

As Governor Groesbeck said, "No more direct stab-in-the-back was ever aimed at a Michigan institution" and the pity is that it was made serious only by the amount of space, always willingly devoted to any scandal, no matter how frail its foundation, by the daily newspapers.

We believe in a free and untrammelled press, but we believe first in the foundation of all American law and order, which is, that a man is innocent, until he has been proven guilty.

By "aver" and "it is alleged" and "we understand", the daily press can print any amount of gossip or propaganda, attacking the honor and character of any citizen, no matter what his position or his past reputation, and be "within the law."

At the time the first reports from Lansing were strung across the head lines of the newspapers, Dr. Friday, was in Connecticut addressing large meetings in the indirect, if not the direct interests of Michigan agriculture.

From the point of any one familiar with the present and past history of the Michigan Agricultural College it is the most natural thing in the world that this present eruption should have happened; the regret is that it could not have been a clean, above-board, open fight. That was hardly to be expected, however, with Dr. Friday, aligned against a peanut-brained group of garden-variety politicians.

Something Wrong at East Lansing

The farmers of Michigan have known for a good many years that there was something rotten at the core of their Agricultural College. They were pacified only, when the announcement was made that a man of Dr. Friday's reputation was to be put at the head and given full authority to bring the college back to a standing, second to none, which it once boasted.

We have been no less aware of the fact that all was not right at East Lansing, even since Dr. Friday took over the reins and we began to see his fundamental policies of business farming percolating into the working of the various divisions of the college activities.

As recently as February of this year we asked Dr. Friday, privately and from this very page to use The Business Farmer as his spokesman to the real farmers of Michigan. We promised him a willing audience and a most interested one in anything he might have to say. We felt perhaps he had a load on his mind which he ought to divulge to the men and women of the farms in Michigan, to whom he was, when all is said and done, alone responsible. It is therefore to be regretted, at this time, that he did not accept this invitation and lay down before the farmers of Michigan the difficulties under which he was laboring to improve their own institution of learning.

"Hands Off—Dr. Friday!"

If the farmers of Michigan will think for a minute, they will quickly discern that Dr. Friday, has since he took over the college, in a practical way begun the investigation of several "sacred" institutions. Dr. Friday should have known that to question the price paid for milk in the Detroit area was flirting with death. Any milk producer could have told Dr. Friday that he would be safer in a den of rattlers or looking

into the business end of a loaded shot gun!

The newspapers say "state agricultural leaders are not satisfied with Dr. Friday!" Who are these "leaders" and what do they lead? Are they the disgruntled bolsheviks, who find with the wave of prosperity turning towards the farmer, as Dr. Friday predicted, that their job of "organizing" and "howling" is over? Or are they the impractical theorists who have tried to make us believe that the union laborer of the city who owns nothing, except his right to strike, is entitled to the friendship and support of the farmer, who has an average investment of thousands of dollars and yet who has not been able to afford the luxuries which the dollar-an-hour city laborer has boasted these past several years.

Let's get these so-called "state-agricultural leaders" out from under cover.

Let's find out who these men are who speak authoritatively for the actual working farmers of the state of Michigan.

Let them show us their record, not of words, but of deeds!

If there is in Michigan a man who has accomplished more for the farmers business in our state, who has pointed out a saner course, or helped to stabilize farm and crop prices or helped show the boys and girls on our farms a future on the farms, or who has more diligently sought to disclose, to tired and tear-dimmed eyes of men and women after devoting the best years of their lives to farming, a silver-lining to the dark clouds that seemed almost to engulf them, than Dr. Friday, we want someone to point him out to us.

High Time for Action!

We believe the farmers of Michigan will agree that The Business Farmer has as much right to express their sentiments as any other source. We have a record for being absolutely independent and we shall continue to be, but we say, here and now, that the farmers of our home state are tired and nauseated with the cheap politician, the man who is striving to get political position by capitalizing their friendship. We have tolerated several in Michigan that ought to have been exposed years ago, but when these same individuals launch an attack on a man who has the confidence, gained by actual accomplishment against great odds, such as Dr. David Friday enjoys with the farmers of Michigan, they can get ready for our "big bertha", because it is aimed their way.

We believe that Dr. Friday will stand by the fight, now that the gauntlet has been thrown down by his opposition. We do not size him up as a "quitter". The fact that he hurried back to Lansing when the news of the attack reached him would indicate that he does not fear a fight in the open, as those who attacked him from ambush did. We know he will stick if he feels that he has the confidence and the support of the real farmers of Michigan behind him and we want him to know that he has.

MEMORIAL DAY

FORTY states in the Union now celebrate May thirtieth as a legal holiday. It is a day set aside primarily for remembering those who have given the greatest gift within their power for the honor and defence of their flag and their country. It is no less a day set aside to the memory of all whom we loved, but who have preceded us in the "great adventure."

On this day as an emblem of our love and devotion we place flowers on the graves of those who have departed as an expression of their memory which we cherish, yet Decoration Day was only an idea in the head of a young newspaperman fifty-eight years ago.

The origin of Memorial Day is an interesting one although known to few. The man to whom the idea came was John Redpath, a young newspaper reporter who had been assigned to accompany General Sherman on his march to the sea. John Redpath wrote the first news of the fall of Charleston, South Carolina, and when the troops entered that city, Colonel Woodford, who was the military head of the city, invited Mr. Redpath, in addition to his newspaper duties, to become the temporary Superintendent of Schools. This work was not difficult, for the people of the city were anxious to resume their lives on a peace basis. What John Redpath had to do, however, was to work on the first public schools opened in Charleston for negro children. One of these schools was just outside the town, and the road that led there passed, what had once been, the race-track of the city, but which had been used after the fighting around Charleston as a general burying-ground for the men of both the Union and Confederate forces who had fallen in battle. To make this unhappy spot more sad, the graves were sadly neglected.

One day, it was during April, which is late spring in the southern states, Mr. Redpath passed a group of children near the race-track burying-ground, and they had been picking great bunches

of flowers. The idea suddenly came to him that if someone would only put a few of those flowers on the graves they would not look so forlorn. When he reached the negro school toward which he had been walking, he made a short address to the pupils, suggesting that it would be splendid if every scholar would pick a bunch of flowers whenever they could, putting the flowers on a grave.

As one little negro girl said, "Why, we all jest git armfuls of posies and smother them graves from sight!"

As he went about his work in the days that followed, John Redpath spoke of the idea of decorating the graves to a great many people. To every one with whom he talked the plan proved popular. A committee was arranged and it was finally decided that May first would be a good day for the decoration celebration. So that May first eighteen sixty-five, over ten thousand men, women and children met at a central spot, all carrying flowers, and after singing hymns marched to the race track cemetery, where the ugly mounds of sacred earth were literally covered with blossoms.

Thus came Memorial Day, one of the most cherished of American institutions.

A FARMER'S MARKET PLACE

WHAT Bloomington, Illinois, has done in creating a market place for the farmers of the adjacent country is a lesson to be taken to heart by every town and city of considerable population in the state of Michigan. There has been any number of plans suggested for the shortening of the gap between the producer and the consumer, and yet none has the practical element which makes for success as does the open market provided in cities where farmers from a distance can come and dispose of their products. The market place at Bloomington is an example, and The Business Farmer is presenting this story to our readers with the idea of encouraging the establishment of more markets in the cities of this state.

True it is that many of the large cities have so-called markets, but most of those who sell on these markets are buyers who go through the country and buy from the farmer. The markets which already exist in Michigan do not represent ten percent of the number which should be operated and operated to the profit not only of the surrounding country but to the municipalities which would provide such an establishment.

We are informed that the sale of bonds to provide for a suitable market place by any town or city in the state of Michigan is permissible and The Business Farmer would like to do all in its power to encourage during the present year as rapidly as possible the building of farmers' markets in every town and city in our state.

PAYING UP

A MAN connected with several farmers' banks in the central portion of Michigan tells us that farmers are rapidly paying up the obligations they contracted during the past few years.

It seems a little odd perhaps that debts should actually be paid up during times of depression, while debts are contracted during times of easy money, and yet it is a human trait. We are all optimists. If things are good today we believe they are going to be good tomorrow, and so we borrow for our needs today in the expectancy of tomorrow.

We have all been pressed hard during the past two years of agricultural depression, so we have adjusted our lives to using less money, we have worked harder to make more money, and with our surplus, we have been paying up the obligations which we contracted during much better days.

Nothing better could be said of the farmer than that as a class he is most anxious and will sacrifice most to rid himself of the burden of debt.

THE MAY SNOW

WHEN we awoke the other morning and found the thermometer outside registering twenty-two degrees above zero our hearts sank within us, but a statement from the Crop Survey Department says that little damage was done in Michigan and for this fact we have to thank the heavy snowfall, which protected the buds and dropped several million tons of "poor man's fertilizer" over the state.

One scientist has pointed out that because of sun spots this will be a cold summer, and so far at least we can take him seriously.

Another argues that the sun is slowly cooling off and that the world may expect lower mean average temperature as the years pass.

We know very little about astronomy and less about geology but we do know that in the history of the universe "A thousand years is but a day" so we are not getting excited over what the weather prophets tell us.

PUBLISHER'S DESK

RAISING RABBITS AND COVIES.

Dear Mr. Slocum—I have read in your paper lots of things of benefit to all, also that Mrs. E. W. B. wanted to know about selling rabbits, etc., back to companies in New York and Kansas City.

We bought two pairs of rabbits of a Food and Fur Association in New York, a few years ago and they were \$7 a piece. They promised to buy back all we raised so we raised some, and after a while they bought one pair, \$7 per pair they were to pay as per contract, and said they would buy the rest, if I let them know how many I had. So I did, but they weren't ready and I wrote different times, and only received \$6 for the pair sent them, and they were better stock than we received but they claimed they were underweight and I had a time getting this money for them.

They are just frauds in our opinion. They figure on selling stock to you for a big price and get out of buying, and I have been going to advertise them. Anyone that buys from them will get fooled."

THIS letter gets first place at the head of the Publisher's Desk this week because I hope it will help to answer one or two inquiries that are bound to come to me every week from well meaning readers who have not noted in this column my comments on the growing of rabbits, guinea pigs, white mice, and covies for the so-called Food and Fur Associations who sell the original breeding pair at a high price with the understanding that they will buy the offspring at correspondingly high prices from the grower.

Ellis Parker Butler once wrote a book called "Pigs is Pigs." If you have not read it, go to your nearest library and borrow it if you want an evenings good enjoyment and many a hearty laugh. You can read it in an hour or two.

The foundation of the story is the rapid breeding propensities of a pair of guinea pigs, which were shipped to a small express office presided over by an Irish express clerk. As the

package was not picked up by the rightful owner the pigs started to multiply so rapidly that they soon crowded the expressman out of his office and threatened to engulf the town.

I am wondering what would happen if the same thing should happen to a shipment sent out by the Fur Association. In that case, according to the alluring circulars, the expressman would find himself possessed of a growing fortune which would soon rival that of Mr. Ford.

A GOLD BRICK

AN eastern farm paper with a national circulation, which is old enough to know better, is sending crews into Michigan and nearby states, the men in which are armed with a lead pipe in the shape of a petition.

Some of these agents travel in overalls, sometimes with a retired farmer, or someone known in the community, who lends a degree of respectability to the proposal. The unsuspecting farmer is asked to sign a petition to "lower taxes, prevent labor strikes, lessen commission, men, and reduce freight rates." Naturally every farmer who sees this wants these four things to happen and is willing to sign anything that may aid in bringing them about.

The hitch comes when the agent asks for two dollars to pay for a ten years subscription to this paper so that the farmer may keep posted on just what this paper is doing in Washington to bring about the ideal conditions their petition seeks.

The scheme sounds so simple that you may consider our warning readers of The Business Farmer, as questioning their intelligence. The scheme is, however, being presented in so many different forms and so often with the apparent good faith of a neighbor accompanying the agent that we cannot help but use this space in the Publisher's Desk, with the hope that some reader with a little red in his hair will kick the agent and his friend who presents such a "gold-brick" clear out into the dust of the state highway.

What the Neighbors Say

BELIEVES HIGHWAY FUNDS ARE WASTED

I READ your statement regarding the veto of the gasoline bill by the Governor. Was surprised at your approval of it. It seems to me while it would be a little unjust to the stationary engine owners of which I have two, yet it would be doing more justly than it is at present. Regarding the misuse of state highway money it seems to me from what little I have seen it is about as free as radio, just get your station (and there are lots of them) and take in all the time. Last summer in Farwell there was a little job of about 1 mile, yet there were two young men, I should think about 20 or 21 years old, who carried a surveyor's equipment with them in a Ford car who surveyed and resurveyed, I don't know how many times. They had the contractor take dirt out of out of one place, move it to another then put it back several times. Of course the contractor did not care, it was excess work, he got paid for moving it. And those two surveyors were here at least 2 or 3 times a week during the time that job was being done. One day I was in town last fall on my way to the board of supervisors meeting. There were 8 state men that day on that little job at Farwell. Another job just east of Farwell where they were putting in a bridge, there was another young man about 22 who was supposed to be inspector. He boarded in Farwell at least one month before they even started the bridge that he was supposed to inspect the work on and made his boast he was drawing his pay just the same. I was to a county fair last fall and was talking to a man who had a road job in another county. While we were talking he was looking at a bunch of people and he said, "Hello, there is my gravel inspector over there. That man is supposed to be on my job in-

specting the gravel my men are putting on the road." So here are a few incidents as to some of the ways the money is being spent for nothing.—Louis Finch, Clare County.

—Editor's Note: We did not approve of the governors veto of the gasoline tax, as our reader suggests. The Business Farmer believes in presenting both sides of a serious question and letting its readers do their thinking for themselves. We printed page after page of material from the advocates and opponents of the gasoline tax. Our columns were open to all and we urged our readers to express themselves to their legislators. They evidently did, for the house passed it by a record vote and the rural vote of the senate was unanimously for it. Events have now proven, in our opinion that the Governor should NOT have vetoed the gasoline tax.

TOO MANY FARMERS FOLLOWING RADICAL LEADERS

THE great question of unemployment and poverty seems at the present time to be solved. There is work at good wages for every man and woman and when everybody can get work there is practically no poverty.

Now there is a clamor arising for more immigration. I was surprised to see a communication in the Business Farmer by a self-styled farmer for immigration as a panacea for the ills of the farmer. Now, a nurseryman may be a farmer but he is in a different class from the great majority of farmers, and I think the average farmer will hesitate a long while before he supports a policy of more immigration. Of course there are some men who are so anxious to have people at their beck and call that they would be willing to bring on unemployment and poverty to attain that end.

To my mind the present shortage
(Continued on Page 23)

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FEDERAL BONDS

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4 TIMES Around the World with ONE OILING

100,000 Miles Without Stopping for Oil



An inventor who could develop an automobile, a railroad car or any other conveyance on wheels which would perform such a feat would be considered a wonder. But such is the record of regular accomplishment by the Auto-oiled Aermotor during the past eight years in pumping water.

Did you ever stop to think how many revolutions the wheel of a windmill makes? If the wheel of an Aermotor should roll along the surface of the ground at the same speed that it makes when pumping water it would encircle the world in 90 days, or would go four times around in a year. It would travel on an average 275 miles per day or about 30 miles per hour for 2 hours each day. An automobile which keeps up that pace day after day needs a thorough oiling at least once a week. Isn't it marvelous, then, that a windmill has been made which will go 50 times as long as the best automobile with one oiling?

The Auto-oiled Aermotor after 3 full years of service in every part of the world has proven its ability to run and give the most reliable service with one oiling a year. The double gears, and all moving parts, are entirely enclosed and flooded with oil all the time. It gives more service with less attention than any other piece of machinery on the farm. To get everlasting wind-mill satisfaction buy the Auto-oiled Aermotor, the most efficient windmill that has ever been made.

For full information write **AERMOTOR CO.** Chicago, Dallas, Des Moines, Kansas City, Minneapolis, Oakland

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ALL AROUND SATISFACTION FOR ANY CULTIVATION PURPOSE

It's through the right kind of cultivation that foul growths are kept down and can be eradicated. **THE KOVAR DIGGER** has opened the field for the right kind of cultivation and having exclusive features, will give satisfaction which no other machine will produce. Thousands of farmers have been convinced and we want to show you. Write for free booklet on land cultivation and how to work foul growths. KOVAR has the most successful Spring Trench Cultivator, also Harrow Cart. Write for further information and prices. **JOE J. KOVAR, OWATONNA, MINN.**

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Write quick for my big new book of money-saving factory prices on high quality Fences, Gates, Steel Posts, Paints, Roofing, etc. **FREIGHT PREPAID** Don't pay a penny more than Jim Brown's factory prices. Quality backed by guarantee. Write for 104-page money-saving book. **Brown Fence & Wire Co., Dept. 202 Cleveland, O.** "Saved \$56.00 on my order. I paid you 7/16 per foot, and fence here we had for 12¢ in 1913-14 etc." —Charles Brown, Steile, Mo.

Keep The Business Farmer Coming—See page 2.

OLD SOLDIERS

Old soldiers, dressed in blue—
Here's a wreath of love for you,
As you slowly walk today
Where your comrades, sleeping, lay.

Old soldiers, dressed in blue—
Gray and stooped and limping, too;
Slow and slower, day by day,
Old age draws your strength away.

I remember, long ago,
When you went with eyes aglow—
Brave young men—brave, soldier
men—
And you knew Abe Lincoln then.

Grand Army of the Republic—how
few remain
Of your loyal, noble train!
Who kept our states in golden band,
And gave to us our happy land.

LEPHIA BRYANT LARSON,
Aberdeen, Wash., April 6, 1922.

SMART BRIDAL ACCESSORIES

THERE no longer seems to be any question of the propriety of adding a touch of color to the conventional veiled bridal gown. The predominant tone of course is white but dressmakers in this country are copying some of the French dressmakers and putting a little bit of soft green or even the palest shade of pink under the bridal dress. The head-dress that has a diadem is the smartest of all for this spring and can be made at home very easily. Sometimes they are fashioned of artificial orange blossoms, in fact any dainty white flower would be appropriate.

If it is possible to have a home wedding, have one by all means. I do not know of any sweeter memories than an old-fashioned home wedding. Rich or poor can afford this and with the abundance of spring flowers that can be had in our own woods, our homes can be made a bower.

The white prayer-book is taking the place of the bridal bouquet in a great many weddings and it makes a lovely keep-sake.

LINEN SHOWER FOR THE JUNE BRIDE

IF a girl has a few friends in her neighborhood, it is a lovely thing for one of her most intimate friends to give a linen or even miscellaneous shower. These shower affairs are very inexpensive for the giver and brings so much joy and real good to the future bride.

All our girls love to make pretty things and a towel with a few stitches of embroidery makes a very acceptable gift. Each girl making some little hand worked article—face cloths with a little crocheting around the edge, two or three kitchen towels with neat hand hemming. The handkerchief carried by the bride on her wedding day is a lovely gift.

A simple luncheon can be served so that a great deal of work does not make our hostess tired. Why not have our girls arrive around two o'clock and either sew or play cards or just chat for an hour or two and then serve a simple tea menu. The following is very good and not a great deal of labor:

- Tea Menu for a June Shower
- Egg Sandwiches;
- Cheese Straws;
- Hot Gingerbread with whipped cream;
- Tea;
- Raisin Opera Caramels.

Egg Sandwiches—Chop finely the whites of "hard-boiled" eggs; force the yolks through a strainer or potato ricer. Mix yolks and whites, season with salt and pepper, and moisten with mayonnaise or cream salad dressing. Spread mixture between thin slices of buttered bread. Cut crust off both sides and cut in two diagonally.

Cheese Straws—Roll, puff or plain paste one-fourth inch thick, sprinkle one-half with grated cheese to which has been added few grains of salt and cayenne. Fold, press edges firmly together, fold again, pat, and roll out one-fourth inch thick. Sprinkle with cheese and proceed as before; repeat twice. Cut in strips five inches long and one-fourth inch wide. Bake eight minutes in hot oven. Cheese straws are piled log fashion and served.

Hot Gingerbread—Two eggs, one cup sugar, one and one-third cups flour, three teaspoon baking powder, half teaspoon salt, one and one-half teaspoon ginger and two-thirds cup thin cream. Beat eggs until light, and add sugar gradually. Mix and sift dry ingredients, and add alternately with cream to first mixture. Turn into buttered cake pan, and bake thirty minutes in a moderate oven. Serve in squares on pie size plates and put whipping cream on top after it has been seasoned with sugar to taste and a drop or two of vanilla flavoring.

Raisin Opera Caramels—Two cups light brown sugar, seven-eighths cup thin cream, one-half cup raisins. Put sugar and cream in saucepan, bring to the boiling point and let boil until a soft ball may be formed when mixture is tried in cold water. Turn into a large platter, cool slightly and work with a large wooden spoon until creamy.



The Farm Home
A Department for the Women

Edited by MRS. ANNIE TAYLOR

THE MAKING OF OUR COOK BOOK

THIS cook-book made up of our own recipes will have a place in every reader's home, and I want you all to feel the book is a part of your own work. We will make it attractive enough so that every farm woman reader will feel she cannot run her house without one. I want your favorite cooking, canning, and household recipes. I will treasure every one of them, including the recipes I have received in the last few months. To me a good practical cook-book is the most highly prized article in my home. Why burden our minds with remembering a recipe when all you have to do is just open to the page. Remember, simple, every day, as well as fancy cooking, recipes are what I want.

Kindly write on one side of paper, placing your full name and address at top of each sheet. I plan to use the name and county of each sender with their recipe, unless you ask me not to.

MEMORIAL Day is here and lest we forget, this reminder is just to refresh our memories for those who fought and died that we might enjoy the blessings of this beautiful country. We all must admit it is a wonderful nation altho there are times when the struggle is hard. We in this land do not know what hardships are and I hope we will all stop and pause on May 30th and give a prayer even a silent one for those who are with us no more.

*Your Friend,
Mrs Annie Taylor*

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

Add raisins, seeded and cut in pieces and spread evenly in a buttered pan, using hands, having mixture three-fourths inch in depth. Cool and cut in cubes. These may be passed the early part of the afternoon.

Tea should be served with sugar and cream or a dish of cloves and those who care for it this way use two or three cloves in cups and it gives a peculiar but delightful taste. Slices of lemon are also served for the tea.

The table can be made so attractive with a large fancy doily that does not quite cover the whole table or with small doilies. At a tea the custom is to either seat your guests around the room and serve them or else stand. There are so many beautiful wild flowers now that one need not be without a pretty center piece.

The shower gifts can be a surprise and just before serving a box covered with colored crepe paper can be used to hold the gifts and give them to the bride-to-be and she should open each package so that all might share in the happiness.

EMBROIDERY RINGS MADE OF METAL

FOR the women who are handy with their needle the new embroidery rings made of metal are splendid for working on heavy material, like bed spreads. They can be adjusted to the thinner ma-

terials as well and are much stronger. I just purchased one for my Mother and she is delighted with it. They cost twenty-five cents in our stores and would be pleased to send you one upon receiving this amount.

A DAISY AND BUTTERCUP WEDDING

DAISES or elderberry blossoms make as pretty decorations for a June wedding as do roses. Laurel also makes a charming ornamentation and keeps fresh, which is a decided advantage. In all decorating, avoid mixing flowers. Make it a rose wedding, a laurel wedding, a dogwood or a daisy wedding, but do not mix these all up in one. You could make your dining room one kind and another room different. An exception to this, however, is in the mixing of flowers which nature herself has a fancy for combining, such as the early wild flowers or buttercups and daisies. These are beautiful in combination, giving the effect of cheer and sunshine.

Make garlands for the bride's and groom's chairs. If you have a special for the young folks make a center-piece for the table sticking the flowers in a bed of moss. From this

center-piece let a chain of daises extend in every direction.

If you use a long table, such as a buffet, and serve your guests standing or at small tables, have a low mound of flowers in the center of the buffet with vines or feathery foliage leading from it. On either side place candles if possible with shades to match the color scheme.

These can be found in a ten-cent store and are very attractive. On each end have plates piled with napkins between. Have two or three varieties of sandwiches with plates of each kind on either end of long table, and plenty more to serve.

The bride's cake should be white and a dark brown cake with white frosting for the groom. These should be on large table with garlands of flowers around them and cut by the bride and groom so all might have a piece.

THE TWELVE GREATEST WOMEN

MRS. Maud Wood Park, president of the National League of Women Voters in the U. S., formed a committee to decide upon the twelve greatest women and after pouring over thousands of letters decided the following were the greatest living. I am giving them to you and any one of these women's lives would be worth reading.

- Jane Adams—philanthropy.
- Cecelia Beaux—painting.
- Annie Jump Cannon—astronomy.
- Carrie Chapman Catt—politics.
- Anna Botsford Comstock—natural history.
- Minnie Maddern Fiske—stage.
- Louise Homer—music.
- Julia Lathrop—child welfare.
- Florence Rena Sabin—anatomy.
- M. Carrie Thomas—education.
- Martha Van Rensselaer—home economics.
- Edith Wharton—literature.

HANDY RAINY DAY DEVICES

SOME handy things to have about for rainy days are: a clothesline that stretches across the porch with clothes-pins handy; a wire circle such as some salt barrels have about them suspended above the stove with spring pins kept on it to dry mittens, socks and other small articles; a few screweyes in the ceiling above the stove on which to hang a coat hanger and dry wet coats.

Mothers Problems

THE AFTERNOON NAP

THERE is no set limit to the age at which a child shall cease taking his afternoon nap. The time varies with different children. Sometimes a child with an exceptionally strong nervous system, can well dispense with the afternoon nap by the time he is in his third year; again, a nervous, high-strung type of child must rest and sleep a bit during the day if possible, until five years old or more. It is for every mother to decide when her child is too old for the nap.

Most mothers stop the daily nap too soon. As the child gets into his second year and play becomes an all-important consideration more and more firmness and persistence are necessary to get him to "go off" each day at the regular time. If Mother is busy, and the child shows no signs of being sleepy, the temptation becomes too great to let the nap go "just for to-day." Perhaps later on the child will fall asleep on the couch or on the floor, and will be put to bed to complete his rest; but the habit of being put to bed at the regular time each day will have been weakened. It will grow easier and easier for the child to remain awake past nap-time, until soon he is going all day long without a break in his day of play.

If the child goes to bed very early, no ill effects may follow, but likely as not, bed-time will not be placed an hour ahead of its former time, and the child will merely be cheated out of an hour's needed rest.

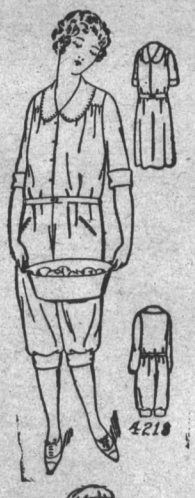
The nervous child can never grow too old for a daily nap, or at least a daily rest. Even after school-age has been reached, it may be necessary to insist upon a few moments of quiet, lying down, each day.

Rest can never harm a child. So, be very, very careful when you say: "Oh, he's too old to take a nap!"

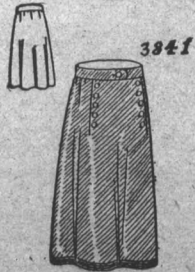
AIDS TO GOOD DRESSING



3993. A Jaunty Cape—This is a splendid model to go with a one-piece dress, or with a separate blouse and skirt. It may be made of broad cloth, jersey, tweed, or taffeta. As here shown, tweed was used. One could have the scarf of brushed wool or other contrasting material. The Pattern is cut in 4 Sizes: Medium, 38-40, and Large, 42-44 inches bust measure for Ladies, and 14 and 16 years for Misses. A Medium size will require 2 1/4 yards of 54 inch material.



4258. A Pretty House or Porch Frock—Figured percale and pique are here combined. Gingham, linen, lawn and crepe are also attractive for this style. This Pattern is cut in 7 Sizes: 34, 36, 38, 40, 42, 44 and 46 inches bust measure. A 38 inch size requires 5 yards of 32 inch material. The width at the foot is 2 1/4 yards. To trim as illustrated requires 1 yard 36 inches wide.



3841. A Popular Skirt Model—Here is just the right style for a utility skirt; one that has comfortable lines and very practical pockets. It is good for serge or twill, and also for velveteen, corduroy, and heavier mixtures. Braid would form an attractive trimming. The Pattern is cut in 7 Sizes: 26, 28, 30, 32, 34, 36 and 38 inches waist measure. A 30 inch size requires 2 1/4 yards of 38 inch material. The width at the foot is 2 yards.



4218. A Splendid "Work" Costume in Romper Style With or Without Skirt—This design fills a long felt want—combining utility, neatness and comfort, with good style lines. The "Romper" may be worn without the skirt, which can be readily fastened if desired. Serge, linen, gingham, khaki, and crepe are good materials for this model. The Pattern is cut in 6 Sizes: 34, 36, 38, 40, 42, and 44 inches bust measure. A 38 inch size requires 6 1/2 yards of 36 inch material. Without the skirt 4 yards will be required.

-If graduation looms ahead, crepe de chine would be charming trimmed with valenciennes lace and also dotted swiss. These make a dress that can be worn all summer. The stores are full of beautiful narrow pick-edge ribbons of two-toned and single coloring. This is truly a summer of ribbons and laces. Smocking is used a great deal on the smaller childrens clothes.

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All Husband Does is Play Cards

Dear Mrs. Taylor: I have been reading your paper for some time and watching to see if other women have the same trouble and heartaches as I have.

It is all the same to him. Many a time I have gotten supper ready and he has not come home until eight and ten o'clock.

We can feel very sorry for this reader and she has our most sincere sympathy. The only remedy that I can see is to play your part and play it well.

The Runner's Bible

God—there is none else. (Deut. 4:35.) Be not discouraged because you cannot fully understand God.

Personal Column

Of course no little modern bride is superstitious. Certainly not. But all the same brides of today like to know the superstitions that long have applied to brides.

Marry when the year is new— Always loving, kind and true.

Marry in January's hoar and rhyme, Widowed you'll be before your prime. Married in February's sleety weather Life you'll tread in tune together.

Another interpretation is: Marry in January's hoar and rhyme, Widowed you'll be before your prime.

Married in white, you have chosen all right; Married in gray, you will go far away; Married in black, you will wish yourself back;

And to guide you to the right day of the week: Monday for health, Tuesday for wealth, Wednesday the best day of all,

Wed on Monday, always poor. Wed on Tuesday, wed once more. Wed on Wednesday, happy match.

I would be pleased to hear from some of the readers on opinions of "bobbed hair" for women.

Textile Leather Work—One of your readers has asked if the company selling textile leather work to be done at home was a reliable firm.

MAPLE DESSERTS FOR SPRING

This is the time of year when so many lovely things can be made of maple syrup and everyone enjoys it. I might say that nothing equals hot biscuits and hot syrup for a supper.

Maple Sauce for Ice Cream—For plain ice cream use this sauce served hot. One tablespoon flour mixed with one-eighth teaspoon salt, one cup milk.

RECIPES

PEANUT COOKIES

Sift one cup of sugar five times to one and one-half cups of cake flour and add two level teaspoons of baking powder, sift five times.

FROSTING

Mix two tablespoons of melted butter, four tablespoons milk, one teaspoon vanilla and enough powdered sugar to thicken, then a tablespoon of marshmallow cream.

PEANUT BUTTER COOKIES

Cream two level tablespoons of butter then add one-half cup of peanut butter and mix the two thoroughly. Gradually add one cup of sugar and one egg lightly then one-half cup of milk.

PEANUT COOKIES

Two-tablespoon shortening, one-fourth cup of sugar, one egg, one-half cup flour, one-half teaspoon salt, two and one-half tablespoon milk, three-fourths cup chopped nuts, one tablespoon baking powder and one-half teaspoon lemon juice.

CASTOR OIL COOKIES

Wish we'd known about them years ago. One cup each of sugar molasses and milk, one-half cup of castor oil, one-half teaspoon salt, one teaspoon soda, two teaspoons ginger and enough sifted flour to make a dough that can be rolled.

PANCAKES

One quart of sour milk, a pinch of salt, one egg, one teaspoon soda and flour to make of right thickness. I use this same recipe for the Buckwheat cakes. I don't put in the egg and I use only one tablespoon of flour (wheat) and put the rest in of Buckwheat.

GINGER DROP CAKES

One cup molasses, one-half cup melted butter, one-half cup warm water, three cups flour, one teaspoon soda, two teaspoons ginger. Stir all well together, line a dripping pan with buttered paper, drop in small spoonfuls and bake in a quick oven.

RHUBARB PIE

Wash rhubarb and cut in pieces to make three cups. Scald and drain. Mix one cup of sugar, one-half cup of fine stale bread crumbs or four tablespoons of flour and a few grains of salt. Add the rhubarb; mix thoroughly. Line a pie plate with pastry, fill with the prepared rhubarb and cover top with strips of pastry. Bake in a hot oven—400 degrees—for half hour.

THE GROUCH

There was a man, at least he claimed that name, But he growled and growled all the same.

When the weather was warm and started the sweat He'd hump up his back and say he was "het".

But when the wintry winds blew cold and it snowed He'd look from the window and say "Worst weather ever known".

And thus he complained from morning 'till night And the darkness alone could shut his mouth tight.

He became such a nuisance to all of his friends That, of plans to cure him there were no ends. His family and his neighbors of patience were bereft.

And wished earnestly that his neighborhood he had left. But no such good fortune was theirs to enjoy For this "excuse for a man" still raised the old boy!

But finally their patience being entirely exhausted, Onto the waiting junk heap this grouch they tested.

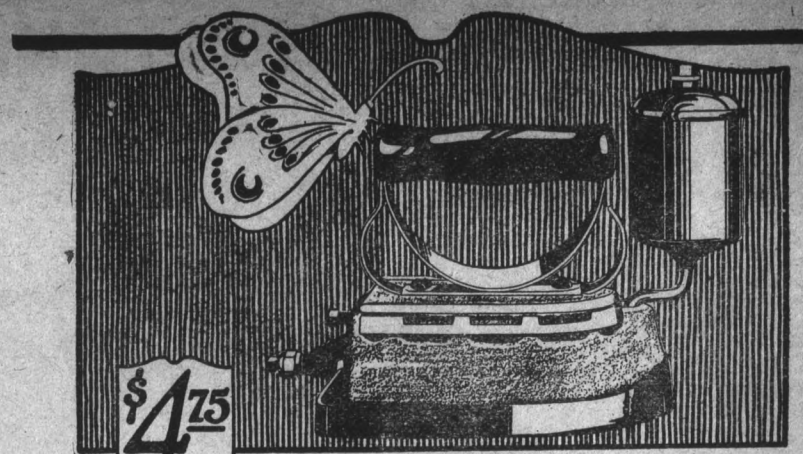
And his place on Earth being thereby vacated And the harm he had done being justly rated, It was found on inspection that nothing of worth Had resulted from this being having come from to this earth.

And now that this lesson to all is apparent That to some mortals a sour disposition is inherent, Let us all have charity that thinketh no ill And have patience to let the grouch his sour garden till.

—Written by a subscriber.

—if you are well bred!

At a Party—Do not talk gossip. Listen interestingly to what is being said. Do not use slang. Refer to brothers and sisters by first name, during conversation. Refer to your escort as your friend, not your "gentleman friend".



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The Children's Hour

Hello Uncle Ned—This is the second time I have written, lets hope its the last. I am to be 16 years old the 18th of October. Have I a twin brother or sister? If so, please write. I am 5 feet 4 inches tall and weigh 125 pounds, have dark bobbed hair and gray eyes.

My dad takes the M. B. F. and we all like it real well, as there are so many interesting articles in it. My dad owns a grocery and dry goods store, even so he used to be a farmer. Must make room for some of the other cousins, so all please write, twins or not. I will answer all letters I receive. With love, your niece. Isabelle Papineau, Box 8, St. Jacques, Mich.

—Let us hope it is NOT the last time you write. I hope every member of the Children's Hour feel free to write whenever they want to. The more often you write the better we get acquainted, and you stand the same chance of having your letter in print, whether you have written once or one hundred times. By all means come again, Isabell.

Dear Uncle Ned—I love everything on the farm. We will not disturb a bird nest of any kind as we love all birds. We have little wren houses up on a post in front of our house. The birds built a nest in our mail box last summer and we took them out and put them up in a box and they stayed there all summer. We hope to see them again this summer. We like your paper.—Hattie Rusing, R. 5, Allegan, Mich.

—One should always be a friend to the birds. Many of them appear to do considerable damage but in most cases the good they do outweighs by a large margin the damage. People who like animals and are kind to them always have plenty of friends.

Dear Uncle Ned—It has been such a long time since I have written to the M. B. F., I suppose you have forgotten me. I have been so busy since I started to high school in Mt. Clemens that I could not write. The school work has been much easier for me this semester. I'm now 16 years old and in the A 9th grade. Will the girls and boys please write to me? Those of my age or older. My sister, Eunice, said she would like to join the M. B. F. but is too old. She is 18 years old and would like to have the girls and boys of her age and older write to her. I think there isn't anything nicer than to receive a letter from someone. Its also a great pastime to write letters. About two weeks ago my sisters and I went to the woods to get flowers. The mayflowers were the only ones out, now the bleeding hearts, adders tongues and violets are out. I just love to go to the woods don't you? My sister, Rose, has eighteen correspondents and I don't really see how she can keep track of all of them. I have only one. Will close with lots of love to Uncle Ned.—Iris Arnold, Box 474, R4, Mt. Clemens, Mich.

—I should say I have not forgotten you although it has been a long time since you wrote to me. Don't wait so long between letters, Iris. And tell your sister, Eunice, that she can write if she wishes. Some of the members of our merry circle are two or three years older than she is. Yes, it is great fun to gather flowers in the woods.

Dear Uncle Ned—This is the second time I have written, but I did not see my first letter in print. I think it went in the waste paper basket. The weather is nice now but the water has been high and all the ditches were full and overflowing but it went down Monday, April 16. We did not have any school for one week for the water went over the roads and the children could not come to school. I am 13 years old and in the seventh grade at school. My teacher's name is J. J. Donnelly. I wish you could see the water now and come and take a boat ride like some people are taking, for beside our house is a big ditch about twelve feet deep. We have 5 rabbits but only one is quite tame. Every time I feed the chickens he'll be right

there to get his ear of corn. If you chase him away he'll get mad and take the corn away from the chickens. I think the answer to Hazel Baker's riddle is a candle. If I have guessed it right don't forget your letter, Hazel. I am going to write a few riddles. Eyes like a cannon ball, ears like a mule, tall like a cotton ball and runs like a fool. I will not tell the answer to this but I will let all of you guess it. A dish full of dainties, a dish full of flowers. Answer: Honey. What has three feet but cannot walk? Answer: A yard stick. Up and down, up and down, never touching sky or ground. Answer: A pump handle. I think that is enough for this time. The one that guesses my middle name I will write a letter to. Good-bye from Esther E. Thaut, Turner, Michigan, R2.

—“If at first you don't succeed try, try again” must be your motto. It is a good one. The waste paper basket is taking a vacation.

Dear Uncle Ned—I would like to join your merry circle. I like to read the Children's Hour. When I was reading it last week I saw a girl with same name as mine. I was going to write to her but can not find her address just now. I am 16 years old, and in the 9th grade. We live on a farm of 240 acres. We have fifteen cows to milk and I have to help. Our farm is three miles from town but my two sisters and I live in town so as to be near school. My one sister teaches the grammar room. I have another sister married. I only live about eighteen miles from Lake Huron. I have my hair bobbed, had it cut about three weeks ago. I like it much better. We don't live far from the dam that gives the power for lights in the city. The towers run by our place. I have been all through the power house. We go up there fishing real often in the spring.—Bernice Graves, R2, Hale, Michigan.

—All right, you are now a member of the Children's Hour and in order to continue to be one you must read the department and write a letter to me once in awhile.

Dear Uncle Ned—We all enjoy reading the M. B. F., but I believe I enjoy it more than the rest and look for it more eagerly because of “The Children's Hour.” I like to read of what the other boys and girls are doing. We are having very stormy weather here. I live 7 miles from the “Soo” and have about a mile to walk to school. I will be twelve years old on the 19th of March. I have one sister and three brothers, we are all going to school. Your niece, Mina Miller, Sauff Ste. Marie, Mich.

Dear Uncle Ned—How are you this fine spring weather? I am just fine. Well, I guess I will describe myself: I am four feet ten, so I am just two inches of having five feet I weigh seventy-five pounds, have light hair, dark complexion and dark brown eyes. I am in the sixth grade at school. I go to the Wermuth school and like my teacher very much. My favorite studies are language and arithmetic. May I join your circle please? We all like the M. B. F. Write to Irene Terpening, R1, Ithaca, Mich.

—I am just fine, thank you; or as the fellow said, “If I felt any better I would have to call a doctor.” I suppose your school will soon be out. Will you be glad or sorry?

Dear Uncle Ned—I have been a silent reader of the M. B. F., for some time and am very much interested in the Children's Hour. I thought I'd write for the first time. I am a girl of 13 years of age, and a blond. I am in the eighth grade, and I like to go to school. There are 19 children going to our school. I have one brother and one sister older than I. I wish some of the readers would write to me.—Alberta Brandenburg, R1, Pratt, Michigan. —Always room for one more, so write often.

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HELP WANTED
WANTED MIDDLE AGED WOMAN FOR Housekeeper on farm, two in family. Wages to satisfy. Reference furnished on request. A. G. BOHEFFER, R. 3, Cheboygan, Michigan.
YOUNG OR MIDDLE AGED WOMAN wanted for house work in small family in new home near Detroit. No washing or ironing. Highest wages. Address, MRS. HARLEY D. WARBNER, Farmington, Michigan.

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DAIRY and LIVESTOCK

CORN SILAGE CHEAP FEED

THE cost of feed is the biggest expense item in stock farming. To produce a cheap ration is therefore one of the most important factors in the business, and the stock farmer who wishes to be successful must learn how to reduce his feed bill.

The Missouri Experiment Station recently issued a bulletin on the cost of crop production, showing the cost of putting up hay to be \$3.33 per ton. They did not say whether this hay was put in stack or mow, but the figures indicate that modern labor-saving tools were used and that the hay was well housed either in stack or shed. It costs from 85c to \$1.25 per ton to put corn in the silo; thus we find that silage can be put up at from one-third to one-quarter the cost of hay. The quality of silage can be controlled, while the quality of the hay depends upon the weather.

Over a half million silos are now used in this country by our stock farmers, and we find them in every state of the Union. Surely there must be a reason for this silo movement, and we should give it serious thought at this time when economy is so important.

Many farmers have put off the building of a silo on account of the work of filling. The writer believes that this hard task is mostly imagination, for no stock feed can be harvested and put up more cheaply or rapidly than corn silage. For example: alfalfa must be cut from three to four times a year and is a more laborious and expensive piece of work than the harvesting of silage. If the weather is unfavorable the cost of putting up hay often exceeds the cost of putting up silage four or five times. From this comparison I do not wish it understood that I recommend corn silage in place of alfalfa. Alfalfa should be fed with corn silage whenever it is possible. I wish simply to compare the costs of harvesting the two crops.

Where it is difficult to get labor and exchange work it is advisable to use a small filling outfit and fill the silo gradually with help found on the farm. Instead of taking one day take three or four or even a week. The rushing in of silage at the expense of many teams and men multiplies the cost and labor, and where break-downs occur the expense and annoyance are not soon forgotten. In communities where silos are numerous the filling is not dreaded but counted a farm task as having or harvesting.

It is difficult for a stock-keeper not having a silo to compete with one who is using silage. The stock and stock products is materially lessened by silage, and since this is true the silo is not only an economic institution but a necessity for success. Corn silage is a cheap succulent ration; the crops for filling should be grown close to the silo, and silage can be stored in liberal quantities. There is little danger of getting too much on hand, for it will keep for several years. It can be used as a forage bank and drawn upon at any time when needed. The cost of producing silage is so low and it is such a good feed that it should form the bulk of the ration; and if any feed must be purchased it should be concentrates such as grains and mill feeds.—A. L. Haacker.

SHUTTLEWORTH BROS.' AYRSHIRE CAPTURES CLASS CHAMPIONSHIP

BLUEBELL 3rd 73254 in the new senior two year old champion Ayrshire of Michigan. This good Ayrshire heifer completed her Advanced Registry record with 10,361 pounds of milk, \$99.45 pounds of butter-fat. She is owned by Shuttleworth Bros., Ypsilanti, Mich.

TWO NEW HOLSTEIN CHAMPIONS IN JUNIOR CLASS

FAYNE Aggie Hengerfeld Pontiac is new Michigan Holstein champion in the junior four-year-old class for production in one year. Her record is 28944 pounds of milk and 907.88 pounds of fat or 1134.65 pounds of butter. She is owned by W. W. Mountain, Flint. In ten months division and junior

four-year-old class Silver Belmer Clare, owned by W. C. Cornwell of Saginaw, takes first place with a production of 19328.6 pounds of milk and 627.90 pounds of fat or 784.87 pounds of butter.

NOT ENOUGH ROUGHAGE IN FEED

Will you please tell me what to do for my cows. They eat bones, stones, old shoes or almost anything. They will get it in their mouth and stand and chew on it for an hour at a time. They did this a year ago and are now starting again.

The past winter I have fed corn silage night and morning, sweet clover hay once and shredded corn stalks once through the day. The shredded stalks were some moldy, the ensilage and sweet clover were nice. For grain I have fed ground oats, corn meal, wheat bran and oil meal, mixed as follows: 100 lbs. oats, 50 lbs. corn meal, 50 lbs. bran, 50 lbs. oat meal. They have had Salt before them all the time I have fed liberal with the roughage but not with the grain—about 1 lb. to 5 of milk.

Three cows are fresh, two will be soon. They all are in fair flesh, and feel good. There is no clover in the pasture and a year ago I had none for them through the winter. I will appreciate it very much if you can give me a remedy.—R. D., Petoskey, Mich.

—You do not state just what you are feeding these cows at the present time. You only stated what you had fed them during the past winter. I take it that you are a little short on roughage and if this is the case your cows may lack roughage. I am inclined to think this is what they lack more than anything else although cows sometimes lack mineral matter when they are fed a sufficient quantity of roughage even, and they will behave in the same manner as your cows are doing at the present time. As a remedy for this I would suggest that you add some mineral matter to the ration.—O. E. Reed, Professor of Dairy Husbandry, M. A. C.

FEEDING POTATOES TO MILCH COWS

Will you answer in regards to potatoes to milch cows? A neighbor says they are harmful and reduce the amount of milk, also hurt test of cream.—L. C., Sand Lake, Mich.

—Potatoes make a good feed for milch cows if they are not fed too many at a time. They are just about as valuable as corn silage. Twenty pounds per day make a good feed for the average cow and I would not advise giving more than that amount. If a cow is fed all the potatoes she wants, she will naturally eat less of other foods and her ration then will consist of more water than usual and she will naturally not get as much dry matter in her food and the milk flow may shrink some. But when fed in the same way as silage along with other roughage and grain you will not notice any reduction in the amount of milk. Often times the milk and butter will show the effect of overfeeding on potatoes. The butter is often salty. As far as the test of the cream is concerned, they will not affect the test of cream.—O. E. Reed, Professor of Dairy Husbandry, M. A. C.

COTTON SEED MEAL ALONE WILL NOT EFFECT COW

I understand by some that if you feed a cow cotton seed meal that she will not come in heat. Is this true? I am feeding less than a pint to a meal twice a day.—L. D., Pentwater, Michigan.

—Cotton seed meal of itself will not cause cows to come in heat, but it is a well known fact that cows that are fed a good ration, and such ration may contain cotton seed meal, will come in heat more regularly and will be in better condition than cows that are not fed cotton seed meal. Cotton seed meal is a good feed for dairy cattle and is particularly valuable because of its high protein content and is ordinarily used to supply protein in balancing up a ration, but results, such as mentioned, cannot be attributed to the use of cottonseed meal alone.—O. E. Reed, Prof. of Dairy Husbandry, M. A. C.

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Average

The most remarkable evidence, giving additional proof of the exceptional quality and durability of De Laval Cream Separators, was disclosed by the "Oldest Users Contest" which closed on April 7th. Thousands of old De Laval Separators from all parts of the North American continent were entered. We wish to thank all who participated in this contest for their splendid co-operation in securing the data, which gives an accurate idea of just how long a De Laval will last when properly cared for.

The average life of the "Oldest De Laval," all of which are still being used, was a little over 24 years. The oldest De Laval entered is 32 years old and is owned by Joseph Larocque of Lancaster, Ont., Canada.

In view of the fact that the average life of cream separators other than De Laval is about five years, it can readily be seen from such unquestionable proof that the De Laval is not only the best but four to five times cheaper than other cream separators—and, remember, the 1923 De Laval is better than ever, has over four times the capacity of these old machines, is greatly improved, costs less, and will last even longer.

The Prize Winners

States are first listed in alphabetical order, followed by the name of the winner, each of whom has received the prize of \$25, their address, and the age of the De Laval which won first place in that state:

- Ala., R. M. Davis, Talladega, 24 yrs.; Ariz., L. L. Prouty, Casa Grande, 19 yrs.; Ark., Medlock Dairy Farm, Arkadelphia, 29 yrs.; Cal., B. M. Martin, Newark, 18 yrs.; Colo., M. Miller, Westcliffe, 24 yrs.; Conn., Mrs. E. Lanz, Rockville, 31 yrs.; Del., C. D. Lamborn, Newark, 28 yrs.; Fla., Mrs. S. R. Pyles, Ocala, 12 yrs.; Ga., C. L. Foster, Dalton, 23 yrs.; Ida., P. G. Fairman, Jerome, 20 yrs.; Ill., F. G. Palmer, Yorkville, 23 yrs.; Ind., F. Molter, Lawrenceburg, 28 yrs.; Ia., M. Wollroth, Kalona, 31 yrs.; Kans., D. W. Morrow, Blue Rapids, 30 yrs.; Ky., H. M. O'Nan, Springfield, 27 yrs.; La., P. H. Sitger, New Orleans, 12 yrs.; Me., R. C. Briggs, Freedom, 24 yrs.; Md., Mrs. E. Holbrook, Owings Mills, 24 yrs.; Mass., W. D. Smith, Buckland, 27 yrs.; Mich., F. Downs, Nashville, 24 yrs.; Minn., C. H. Brueshoff, Norwood, 29 yrs.; Miss., W. H. Reese, Sessums, 18 yrs.; Mo., L. M. Lortz, Carl Junction, 23 yrs.; Mont., M. E. Nelson, Flatwillow, 24 yrs.; Neb., I. C. Nichols, Miller, 22 yrs.; Nev., J. Huttman, Fallon, 17 yrs.; N. H., E. L. Jewett, Sullivan, 25 yrs.; N. J., M. H. Astle, Vineland, 30 yrs.; N. M., C. W. Jackard, Hayden, 20 yrs.; N. Y., Mrs. J. P. Morris, Olean, 30 yrs.; N. C., A. B. McAulay, Huntersville, 24 yrs.; N. D., Fred Jensen, Norma, 25 yrs.; Ohio, Lee Nash, Xenia, 29 yrs.; Okla., Lee Armstrong, Selling, 20 yrs.; Ore., Clinkinhard Bros., Marshfield, 23 yrs.; Pa., M. Lazar, Sharpville, 29 yrs.; R. I., A. F. Clark, Westerly, 28 yrs.; S. C., Mrs. J. E. Melver, Darlington, 18 yrs.; S. D., H. Moseman, White Lake, 27 yrs.; Tenn., D. B. Haneack, E. Chattanooga, 24 yrs.; Tex., Mrs. F. P. McClure, San Antonio, 22 yrs.; Utah, F. W. Cowley, Venice, 21 yrs.; Vt., Ashton Soule, St. Albans, 31 yrs.; Va., Mrs. G. Hylton, Floyd, 22 yrs.; Wash., M. Kintschi, Edwall, 23 yrs.; W. Va., J. W. Walker, Wellsburg, 27 yrs.; Wis., H. Petersen, Oconomowoc, 30 yrs.; Wyo., P. Catlin, Wheatland, 20 yrs.; Hawaii, H. Iken, Mt. View, 12 yrs.

The 1923 De Laval is better than ever

As good as these old De Laval Separators are, the 1923 De Laval is still better. Naturally much has been learned in the design and manufacture of cream separators during the past 40 years, and purchasers of present-day machines reap the benefit of such experience.

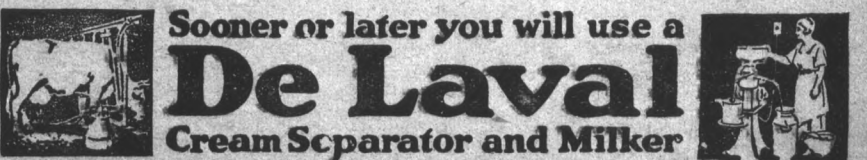
Twenty-five years ago a De Laval Separator of 250 lbs. capacity per hour cost \$125—today one of the largest sized De Laval with 1000 lbs. or four times the capacity per hour, can be bought for approximately the same amount of money, and one of about the same capacity can be bought for approximately half. In addition it has many improvements in design and construction, is made of better materials, does better work, is easier to handle and care for, and will last even longer. This applies to all sizes of present-day De Laval.

If you are using an inferior or worn-out separator, you may be wasting enough butter-fat to pay for a new De Laval and not get it. You can buy a De Laval on such easy terms that it will pay for itself. See your De Laval Agent now as write us about getting a new one.

The De Laval Separator Company

165 Broadway 29 E. Madison St. 61 Beale Street
New York Chicago San Francisco

Sooner or later you will use a **De Laval** Cream Separator and Milker



HEAVES in your own horse afflicted? Use 2 large cans. Cost \$2.50. Money back if not satisfactory. ONE can at \$1.25 often sufficient. In powder form. Most far cost.

NEWTON'S A veterinary compound for Horses, Cattle and Hogs. Heaves, Coughs, Distemper, Indigestion, Worm expeller, Gonorrhoea. At dealers' or by parcel post.

30 years' sale

THE NEWTON REMEDY CO., Toledo, Ohio

Our cream separator, a tried, tested, high quality separator. Remove for clean skimming, modern improvements, economical operation, at a price that makes it easy to own.

GALLOWAY'S BIGGEST BARGAIN

The Galloway the world's greatest separator. Cleanest, most efficient, most economical. Buy yours today. It will pay for itself.

CREAM CHECK PAYMENT PLAN

Makes it easy to own a Galloway. Our terms cut your pocketbook, yet you always receive your separator & butter box, it's your money.

William Galloway Co., Dept. 383, Waterloo, Iowa

BREEDERS DIRECTORY

Advertisements inserted under this heading for reputable breeders of Live Stock at special low rates to encourage the growing of pure-breds on the farms of our readers. Our advertising rate is Thirty Cents (30c) per agate line, per insertion. Fourteen agate lines to the column inch or \$4.20 per inch, less 2% for cash if sent with order or paid on or before the 10th of month following date of insertion. **SEND IN YOUR AD AND WE WILL PUT IT IN TYPE FREE**, so you can see how many lines it will fill. Address all letters, **BREEDERS DIRECTORY, MICHIGAN BUSINESS FARMER, MT. CLEMENS, MICH.**

ITSAMERE---CEDAR BEND DISPERSAL SALE OF ACCREDITED HOLSTEIN-FRIESIANS

At Cedar Bend Farm, on M-16, 10 mi. East of Lansing—Okemos, Mich.

MONDAY, JUNE 4, 1923

All consignments, except those from fully accredited herds are sold subject to 60-90 day retest.

The accredited herd of E. P. Kinney consists of 23 head and is headed by a son of Carnation King Sylvia, whose dam has 24 lbs. and carries about 90% of the same blood of the world's milk producer Segis Pictertje Prospect. This bull together with sons and daughters of his will be sold.

Itsamere herd fully accredited consists of 21 head including a 19 lb. Jr. 2-yr.-old, daughter of a 30 lb. cow, and most of the herd are sired by 30 lb. bulls.

Supplementing this sale are consignments from the following herds: H. D. Box & Sons, who enter 11 head including 24 lb. daughter of a 83 lb. cow with 772 lbs. milk, she having 3 records averaging over 39 lbs. in 7 days.

A. R. Black & Sons, of Lansing, sell a 26 lb. cow and two sons of their Grand Champion Show Bull of the Michigan State Fair 1922, and one is by a 3-yr.-old that led her class in the 305 day division last year in Michigan.

F. E. Fogd, of Okemos, will sell a well bred 3-yr.-old heifer.

H. E. Rising, of Woodland, a son of a 29 lb. cow, she a daughter of a 32 lb. cow.

Harry Schultz, of Lansing, sell a proven son of Dutchland Creanelle Korndyke Lad.

Sale will start promptly at 10 o'clock, central standard time.

Col. J. E. MACK, Ft. Atkinson, Wis. Col. S. T. WOOD, Liverpool, N. Y.
Auctioneer In the Box

SEND FOR CATALOGUE TO C. A. DANIELS, OKEMOS, MICH.

MICHIGAN HEREFORD AUCTIONS

100 Head. 70 Lots. 14 Bulls. 56 Cows and Heifers; 30 calves go free with their dams. Money-makers. Fairfaxes, Disturbers, Woodfords, Anxieties. No better blood.

RAMSEY'S SALE, JUNE 7th

At Atherton Station; Pere Marquette Ry. Half-way between Harbor Beach and Port Hope on Huron Shore Road. 6 Bulls. 29 Cows and Heifers; 16 calves.

BAKER'S SALE, JUNE 8th

At St. Clair. Satham Hereford Farm. 6 Blocks from Station of Port Huron & Detroit Electric Ry. 3 blocks from local stop. 7 Bulls. 28 Cows and heifers; 14 calves.

PRACTICAL CATTLE, kept practically to pay practical people profits under present pressing farm conditions. Learn Michigan's unique Hereford system. It pays. All Hereford breeders will ultimately join it. If you get as good individuals elsewhere you will pay more for them.

Enjoy a Michigan Trip. Motor to these sales. For CATALOGS giving pedigrees and particulars:—Address

T. F. B. SOTHAM & SONS
(Sales Managers. Herefords Since 1839.)
St. Clair, Michigan. Phone 250.

DISPERSION SALE OF 45 HEAD REGISTERED HOLSTEIN-FRIESIAN CATTLE

Owned by WILLIAM F. SHEHAN, Howell, Mich.

With a draft of 20 head from other good herds at Sales Pavilion, Fair Grounds, Howell, Mich.

THURSDAY, JUNE 14, 1923, AT 12:00 O'CLOCK, NOON

3 bulls, 2 from 31 lb. dams that are fit to head high class herds.
62 females, a number that will be fresh. Fine individuals, heavy producers. Bred to High Class Bulls. A number have records, one as high as 26 lbs.
A splendid opportunity to secure good foundation stock.

(Herds under State and Federal Supervision) For catalogs (ready June 1st.)
OOL. J. E. MACK, Auctioneer. Address, F. J. FISHBEEK, Howell, Mich.

RED POLLED

RED POLLED CATTLE—A few choice bulls and heifers for sale.
ROYSTAN STOCK FARM,
Will Cattle, R. R. 1, West Branch Michigan

AYRSHIRES

FOR SALE—REGISTERED AYRSHIRE bulls and bull calves, heifers and heifer calves. Also some choice cows.
FINDLAY BROS., R. 5, Vassar, Mich.

GUERNSEYS

FOR SALE—REGISTERED GUERNSEY HEIFERS at reasonable prices, also choice bull calves of May Ross breeding.
H. W. WIGMAN, Lansing, Mich., Box 52.

MISSAUKEE GUERNSEYS. A NEW CROP OF calves coming soon. No females for sale. Order that new bull calf A. R. Sire and Dam.
A. M. SMITH, Lake City, Michigan.

GUERNSEYS—Registered Bull Calves, cheap, also grades. Best of breeding for production and size. George Damken, North Manchester, Indiana.

VETERINARY DEPARTMENT

TROUBLE MAY BE DUE TO TWO CAUSES

I wish to know what is the matter with my hogs. They are not feeling right. I have twenty-six hogs shut up in my hog house and they are getting poor instead of fat. I have them divided in two bunches. The hogs weigh 165 pounds apiece. They have been shut up for four weeks on corn and alfalfa and a warm drink twice a day, half milk and water mixed. In my hog house I have cement feeding floors and sleeping pen separate from feeding room and plank floor. They don't have any appetite, they don't seem to be sick or dumpish, they seem to breath like a heaving horse, their sides seem to thump in and out much harder than common. They seem to have a slight cough, but don't seem to strangle or choke. The twenty-six hogs now are eating seven bushels of corn and a small feed of alfalfa and drink 25 gallons of milk and water daily, but fail to fatten.—R. F. D., Leslie, Mich.

—It is rather difficult to tell just what ails your pigs. Your trouble is due to either one of two causes. Either these hogs are severely infected with intestinal parasites, or your quarters have not been properly ventilated, causing them to steam during the night and they have caught cold.

If the latter cause was the trouble, it would be best to open the quarters and give them air enough so that they will remain dry when piled up in the nest, and give them a laxative ration for a few days in order to assist them in getting over their present colds. This could be done by giving some bran in the milk and water which you are feeding, and adding to it one teaspoonful of epsom salts per hog.

If worms are the cause of your trouble, it would be best to buy some capsules or tablets for the purpose of eliminating the worms. These can be obtained from any reliable drug house, or perhaps thru your local drug houses. It would be best to purchase a capsule or tablet upon either santonin or oil of chenopodium.—Geo. A. Brown, Prof. of Animal Husbandry, M. A. C.

HAVE VETERINARIAN EXAMINE SOW

I have a fat sow that has been paralyzed for three months in hind parts. Does not stand on hind legs at all. One veterinary took her temperature and said it was normal and said it would be all right to butcher her. Would you please let me know whether this would be all right to market? Hog eats well and seems all right otherwise.—D. J. T., Moline, Michigan.

—It would very likely be very difficult to get any hog buyer to buy your sow in a paralyzed condition. Her carcass may perhaps be all right for humane consumption after she has been killed and dressed. I would prefer however to have the carcass inspected by a competent veterinarian after she has been killed and dressed to make sure that it is all right. It may be perfectly all right but it will depend somewhat upon what the cause of the paralysis is.—John P. Hutton, Professor of Surgery and Medicine, M. A. C.

IT BELONGED TO KITTY

"Oh, mother!" cried youthful Mildred. "I found a little flea on kitty and I caught it!"
"What did you do with it?" asked mother.
"Why, I put it back on kitty again, of course. It was her flea."

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

May 31—Shorthorns and Berkshires—Simon G. Maiche, Middleville, Michigan.
June 4—Holsteins, C. A. Daniels, Okemos, Michigan.
June 7—Herefords, Warner Ramsey, Atherton Station, Michigan.
June 8—Herefords, Robt. Baker, St. Clair, Michigan.
June 12—Aberdeen Angus, Aberdeen Angus Association, East Lansing, Mich.
June 14—Holsteins, Wm. F. Sheban, Howell, Michigan.
June 22—Shorthorns, C. H. Prescott & Sons, Tawas City, Mich.
Oct. 18—Holsteins, Howell Sales Company of Livingston County, Wm. Griffin, Sec'y, Howell, Mich.

HOLSTEINS

"YOU WILL BE PROUD OF THEM" 2 3 yr. heifers, King Segis Pontiac and 1000-1200 Mapplecrest backing. With a son of 1000 butter and 101 milk bull, 3 for \$500.00. Wonderful chance to start a registered herd.
DR. CHIVERS, Jackson, Michigan.

FASCINATION FARM, VASSAR, MICHIGAN. Holsteins, registered fully accredited 32 1/2 lb sires. Write your want.

HEREFORDS

HEREFORDS

Young Cows with calves by side consisting of blood from America's foremost herds at prices that enable them under Earle-ripe Hereford Beef Plan to pay for themselves within a year to 18 mos. Bulls including prize winners at the larger shows at practical prices. Herds headed by Straight Edge 1169786, one of two sons of Perfection Fairfax out of a daughter of the famous Disturber.

T. F. B. SOTHAM & SONS
(Herefords since 1839) Saint Clair, Mich.

Steers For Sale

58 Herefords 880 lbs. 90 Herefords 800 lbs.
64 Herefords 720 lbs. 44 Herefords 640 lbs.
48 Herefords 500 lbs. 44 Herefords 575 lbs.

Know of other bunches. If in the market for real quality, dehorned, deep reds, good stocker order your choice one load or more from any bunch. Write stating number and weight preferred.

VAN BALDWIN, Eldon, Wapello Co., Iowa.

ANGUS

WE HAVE SOME FINE YOUNG ANGUS BULLS from International Grand Champion Stock at reasonable prices. **E. H. KERR & CO., Addison, Mich.**

SHORTHORNS

Richland Shorthorns

SPECIAL OFFER: Two choicely bred cows. One roan—One white—One with bull calf at foot by son of IMP. Rodney. This show stock of real caliber and great foundation material. A bargain at the price.

C. H. Prescott & Sons.

Office at Tawas City, Mich. Herd at Tawas City, Mich.

SHORTHORNS

Home of Merry Commander, Junior Champion at the recent International. Now is the time to buy. We have several young cows and heifers, bred to this wonderful bull, for sale. Also, several bulls and heifers of breeding age, from our other noted sire, Perfection Heir Srd. Visit or write us at once.
S. H. PANGBORN and SONS, Bad Axe, Mich.

Write Central Michigan Shorthorn

Breeders Ass'n, Greenville, Michigan for list of Milking Shorthorns, all ages, priced to sell.

RAISE SHORTHORNS WITHOUT HORNS Like Kelley does. U. S. Accredited Herd No. 28945. For description and price write,
L. C. KELLY & SON, Plymouth, Michigan.

JERSEYS

REG. JERSEYS, POGIS 99th OF H. F. AND Majesty breeding. Young stock for sale. Herd fully accredited by State and Federal Government. Write or visit for prices and description.
GUY C. WILBUR, Belding, Mich.

BROWN SWISS

FOR SALE—VEL VERDE BROWN SWISS Cattle, registered. Bull, cows and calves. Write
ED. GRISWOLD, R. 1, Bellaire, Michigan.

O. I. C.

O. I. C.'S MARCH FARROWED SOW AND Boar Pigs, sired by Michigan Giant with plenty range and good backs. Dams are all over two yrs. price \$20. Registered and express paid. Maple Valley Stock Farm, North Adams, Mich.

O. I. C.'S 1 GILT 18 MONTHS OLD, WEIGHT 380, due June 3rd. 10 last fall gilts due Aug. and Sept. 1 last fall boar, spring pigs not akin. Record free. Citz. phone. 1/2 mile west of depot.
OTTO B. SCHULZE, Nashville, Mich.

(Other Livestock Ads on Page 23)

PUBLIC AUCTION, May 31, 1923 1 P. M.

REGISTERED, TUBERCULIN TESTED

Shorthorn Cattle and Berkshire Sows

Nine cows, one with calf at side. Five heifers and nine bulls, sired by Silver Baron and High Ideal, both bred by Ben Matthews & Sons, Round Grove, Ill. Cows are hand milked. Also present herd sire four years old. White Goods by Fair Acre Goods, bred by C. H. Prescott & Sons. One aged sow, seven gilts, sired by son of Real Type, most of them will have farrowed by date of sale at my farm four miles west and one and one-half miles north of Middleville, on Michigan Central or six miles straight east of Moline, on Kalamazoo Inter-urban and G. R. & I.

SIMON G. MAICHELE

N. C. THOMAS, Auctioneer

W. J. HOWARD, Clerk.

White Diarrhea

Remarkable Experience of Mrs. C. M. Bradshaw in Preventing White Diarrhea

The following letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Bradshaw tell of her experience in her own words:

"Gentlemen: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 680, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail.—Mrs. C. M. Bradshaw, Beaconsfield, Iowa."

Cause of White Diarrhea

White Diarrhea is caused by the Bacillus Bacterium Pullorum. This germ is transmitted to the baby chick through the yolk of the newly hatched egg. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

Never Lost One After First Dose

Mrs. Ethel Rhoades, Shennandoah, Iowa, writes: "My first incubator chicks, when a few days old, began to die by the dozens with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally, I sent to the Walker Remedy Co., Waterloo, Iowa, for a box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for a box of Walko, or \$1.00 for extra large box—give it in all drinking water for the first two weeks and watch results. You'll find you won't lose one chick where you lost hundreds before. It's a positive fact. We guarantee it. The Leavitt & Johnson National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of this guarantee. You run no risk. If you don't find it the greatest little chick saver you ever used, your money will be instantly refunded.

Walker Remedy Co., Dept. 680, Waterloo, Iowa

BRAND NEW CORD TIRES

Thousands of our customers are getting 12,000 miles out of these tires, you too can get this mileage. These tires are best.

SIZES	CORDS	TUBES
28x3 1/2	\$ 5.95	\$ 2.98
28x3	8.95	4.95
28x2 1/2	8.95	4.95
30x3 1/2	9.95	5.95
30x3	10.45	6.45
30x2 1/2	11.95	7.95
32x3 1/2	11.95	7.95
32x3	12.95	8.95
32x2 1/2	13.95	9.95
34x3 1/2	17.95	13.95
34x3	19.95	15.95
34x2 1/2	23.95	19.95

30x3 1/2
\$6.85

Send No Money

Write us and tell us the size of your tires and how many you want. Shipped C. O. D. with section unwrapped for inspection. If not satisfied return tire unused and money will be cheerfully refunded.

Dept. 109 STARR & STARR Chicago, Ill.

POULTRY

NOT ENOUGH OUTDOOR EXERCISE

On March 15th, I had 200 baby chicks shipped from Grand Rapids, and they arrived here in a blizzard and of course they were badly chilled, and died by tens until all were gone except forty. They did very well until about three weeks old. They were in a small compartment in large brooder house run by hard coal heaters. This compartment had a board floor but I had put sand and fine gravel on the floor but their legs and feet got all crippled up, and when they got about it was by flying and fluttering of wings. Leading out of these compartments are large runways with cement floor. I took sand and covered the cement floor about an inch and a half and dampened it, and shut chicks out there in day time, and nearly all got well and over the lameness and started growing again. And now again I have four or five that can hardly get around they are so badly crippled. They do not have access to outside ground as the snow has been deep until the last two days. They are fed with the following: Commercial chick feed, cracked corn and some wheat, have bran, ground green alfalfa, charcoal and shell, buttermilk or thick sour milk and water in front of them at all times. Can you tell me what is wrong? Some tell me the damp sand will cause rheumatism, but I read an article a few weeks ago similar to this and the woman said she saved a flock by putting them out to paddle in the mud.—W. A. R., Petoskey, Mich.

—Your experience is typical of many others who hatched chicks early this season. Unfortunately, the spring has been cold and damp with the result that many chicks did not get sufficient outdoor exercise early in life, and leg weakness in nearly every case occurred.

Chicks cannot be confined longer than two or three weeks without developing signs of leg weakness. It is a good practice to encourage the chicks to take out door exercise when they are from ten days to two weeks of age; however, we have been able to reduce and practically eliminate this trouble by careful feeding.

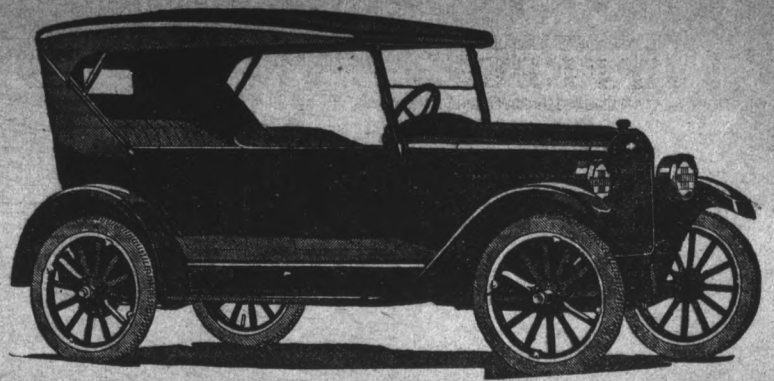
Green food in some form or another such as sprouted oats, chopped cabbage, etc., furnishes dietary essentials in preventing leg weakness due to faulty nutrition. Ordinarily it is a good practice to feed green food after the fourth day and if out door exercise is furnished in addition to a diet containing leaf greens very seldom any trouble from leg weakness will develop.

We have had exceptionally satisfactory results in feeding lime water to correct excessive acidity, and supplying a mash containing equal parts by weight of bran and rolled oats moistened with tomato juice plus about one per cent cod liver oil. Chicks will usually yield to this treatment showing a marked improvement within twenty-four hours.—E. C. Forman, Associate Professor of Poultry Husbandry, M. A. C.

A NEW CORN CHAMPION

ACCORDING to the Agricultural Extension Department of the Ohio State University, a farmer of Licking County, Ohio, William H. Gilmore, raised more corn last year, on ten acres of land than has ever been raised before. The record is official, having been made in connection with the annual 10-acre corn contest conducted by the university. Mr. Gilmore produced 1,343.1 bushels of air-dried shelled corn on his 10 acres, an average of 134.3 bushels per acre, 93.3 bushels greater than Ohio's average yield.

"Mr. Gilmore," said one of the university officials, "has averaged over 100 bushels per acre for three years, but this year made very special efforts to break all existing records. He plowed down a clover sod, half of which had been manured, and applied 18 per cent acid phosphate at the rate of 500 pounds per acre. The five acres without manure had an extra 2,500 pounds of an 0-10-10 fertilizer. The seed was sown three feet apart each way and thinned to three stalks to a hill."



THIS CAR FREE

Nearly everyone else owns a car! Why not you? It is not a question of money. Your spare time for a few weeks, mixed with perseverance and "gumption," is all that is necessary to win this latest model Chevrolet Touring Car.

Or, if you already own a car, get a radio set, baby chicks, pure-bred fowls, poultry books, etc.

It is the official organ of the Michigan State Poultry Association that makes this offer and our reliability is unquestioned. Someone is bound to win the car—why not you. Send post card for details.

\$10.00 PER DAY CASH

If you prefer cash, drop us a post card at once, and we will send you details of our new method that enables any honest energetic person to make \$10 per day, or more.

This is our own method, which we have tested for the past 6 months, and we know it gives an agent 50 to 500% better chance to earn real money, than any other ever tried.

Free Pamphlet

"VITAMINES AND CHICKS"

by

Prof. E. C. Foreman, Head of the Poultry Dept. at Michigan Agricultural College.

The big feature of our May number is Prof. Foreman's "Vitamine" article, which announces the wonderful effect of Vitamine foods on Baby Chicks. He gives actual facts and illustrations of results almost miraculous when Vitamines were supplied. Luckily, these Vitamine foods are common to every household, and Prof. Foreman explains which ones to use.

Already the demand for this article has almost exhausted our May edition, so we reprinted it in pamphlet form which we will give free to readers of the "Business Farmer" who subscribe direct from this ad., at our special trial price of 50c per year. ORDER TODAY, before the pamphlets are exhausted.

MODERN POULTRY BREEDER
Battle Creek, Mich.

High Producing Vigorous Baby Chicks

Capacity 150,000 healthy chicks at a setting Fully guaranteed, direct from Trapnested, Pedigreed Tom Barron and Hollywood Imported White Leghorns. World's champion layers. Not just a few 300-egg birds, but a high flock average egg production—that's where you make your profit. Hatched in the largest and finest Hatchery in Michigan, by those who know how. Bargain prices if you order now. We can also save you money on Brown Leghorns, Anconas, Barred Rocks, Rhode Island Reds and White Wyandottes. Satisfaction guaranteed or your money back.

Handsome, complete catalog free for the asking. Write for it today.

SUPERIOR POULTRY FARMS, Dept. 104 Zeeland, Mich., U.S.A.



BABY CHICKS—FROM SELECTED FLOCKS Six leading varieties. Popular prices and guaranteed delivery. Write for catalog and price list. N. H. PIERCE, Jerome, Mich.

TOBACCO

HOMESPUN TOBACCO. CHEWING 5 pounds \$1.75; 10 pounds \$3.00; 20 pounds \$5.25. Smoking 5 pounds \$1.25; 10 pounds \$2.00; 20 pounds \$3.50. Send no money, pay when received. CO-OPERATIVE TOBACCO GROWERS, Paducah, Kentucky.

NATURAL LEAF TOBACCO. CHEWING 5 pounds \$1.75; 10 pounds \$3. Smoking 5 pounds \$1.25; 10 pounds \$2.00. Send no money, pay when received. TOBACCO GROWERS UNION, Paducah, Ky.



We can use a few earnest men and women part or full time in soliciting subscriptions and acting as our agents. Write

Circulation Manager
THE BUSINESS FARMER
Mt. Clemens, Mich.

BABY CHICKS Postpaid to \$9 per 100 and Up your door

FROM HOGAN TESTED, FREE RANGE HEAVY LAYING FLOCKS. ALL VARIETIES. WHITE and BROWN LEGHORNS. \$12.00 BUFF LEGHORNS and ANCONAS. \$13.00 BARRED ROCKS and R. I. REDS. \$14.00 WHITE WYANDOTTES, WHITE ROCKS, BUFF ROCKS. \$15.00 BLACK MINORCAS, BUFF ORPINGTONS. \$16.00 All lots of 500 or more discounted.

EXTRA SELECTED FLOCKS. Large Price List for return mail. Postpaid full live delivery guaranteed. Hatched by the most modern method of incubation from good, vigorous, pure-bred varieties carefully selected and safely packed. No catalogue. Order right from this ad and save time and disappointment. Reference Chesaning State Bank or any business in Chesaning. Address BABION'S FRUIT AND POULTRY FARM, Guy L. Babion, Prop., Chesaning, Mich.



REDUCED PRICES

For May 28 and month of June. Barron type WHITE LEGHORNS, BROWN LEGHORNS, ANCONAS, PARKS BARRED ROCKS and R. I. REDS. Hardy Healthy Chicks from selected heavy laying flocks mated with strong vigorous males. Carefully packed and shipped postpaid to your door. Full live count guaranteed. Send for our free catalog and reduced prices before placing your order. Bank Reference.

TIMMER'S HATCHERY, R. 3 A, Holland, Mich.



BABY CHICKS \$10 per 100 and UP

From selected, heavy laying, vigorous hens. White and Brown Leghorns, Anconas, 50, \$6.75; 100, \$13; 500, \$62.50. Barred Rocks, 50, \$8.50; 100, \$16; 500, \$75. Extra Select, \$2 per 100 higher. Mixed Chicks, 50, \$5.50; 100, \$10; 500, \$50. Well hatched in modern machines. Carefully and correctly packed and shipped. Postpaid, full live arrival guaranteed. Bank reference and this guarantee makes you perfectly safe in ordering direct from this ad NOW. Get them when you want them. All orders have our careful personal attention. WE WANT YOUR BUSINESS. Catalog Free. WINSTROM FARM & HATCHERIES, Box H 5, Zeeland, Michigan



Egg-Bred Baby Chicks

June Delivery, 10c Each. Extra selected, 11 1/2 c.

ENGLISH WHITE LEGHORNS, BROWN LEGHORNS. 11 years of breeding for egg production. Highest quality chicks from tested layers. Satisfaction guaranteed. 100% delivery guaranteed. Order now. Bank reference. Catalog free. ROYAL HATCHERY & FARMS, R. 2, Zeeland, Mich. S. P. Wiersma, Prop.

Reduced Prices BABY CHICKS

Best Payer, Heavy Laying, Purebred Strains.

Tom Barron English S. C. W. Leghorns, 25, \$2.50; 50, \$5; 100, \$10; 500, \$45; 1000, \$90.

Park's Strain Barred Rocks; S. C. Rhode Island Reds-25, \$3; 50, \$6; 100, \$12; 500, \$55; 1000, \$110. Good strong broiler chicks, \$8 per 100. Place your order at once; avoid disappointment. Get your chicks when you want them. 100% live delivery guaranteed postpaid. Instructive catalog free. Prices on mature stock, 8-12 weeks old pullets on request. Brummer-Fredrickson Poultry Farm, Box 26, Holland, Mich.



DOWNS' CHICKS

Extra Selected, English White Leghorns from my very best breeding pens, on and after June 15th at \$10.00 per hundred. Book orders now. Write for my 16 page White Leghorn Catalogue.

W. A. DOWNS Washington, Mich.

CHICKS 10c

The kind that are husky and fast for June delivery. English White Leghorns 10c. Anconas 11c. Barred Rocks 12c. Special price on eggs for hatching. We prepay all shipments. Write for our catalogue and read what our customers say. BYRON CENTER POULTRY FARM, Byron Center, Mich.

DeKoster's Hatchery



Strong, vigorous Chicks from selected heavy laying ENGLISH STRAIN WHITE LEGHORNS and BROWN LEGHORNS, 100, \$12.50; 500, \$60. THOMPSON & HOLTERMAN STRAIN BARRED ROCKS and ANCONAS, 100, \$15; 500, \$87.50. Postpaid, full live delivery guaranteed. Catalog free. Bank Reference. DE-KOSTER'S HATCHERY, Box X, Zeeland, Mich.

BABY CHICKS

Best laying strains S. C. W. LEGHORNS, 50, Chicks \$6.50; 100, \$12.00; 500, \$57.50. 50 100 500 Barred Rocks \$7.50 \$14.00 \$65.00 S. C. R. I. Reds 7.50 14.00 65.00 R. C. W. Wyandottes 8.50 16.00 75.00

These are last half of May and June prices. Order direct from ad. First National Bank, reference. BLISSFIELD HATCHERY, Blissfield, Mich.

Cured Her Rheumatism

Knowing from terrible experience the suffering caused by rheumatism, Mrs. J. E. Hurst, who lives at 608 E. Douglas Street, C-489, Bloomington, Ill., is so thankful at having cured herself that out of pure gratitude she is anxious to tell all other sufferers just how to get rid of their torture by a simple way at home.

Mrs. Hurst has nothing to sell. Merely mail your own name and address, and she will gladly send you this valuable information entirely free. Write her at once before you forget.

New Way to Rid Poultry of Lice

Rev. G. R. Mente Tells of Amazing Discovery Which Keeps Hens and Chicks Free From Vermin

Few Drops of Liquid in Drinking Water Does it—No More Dusting, Spraying or Greasing

"I have used your remarkable Lice and Mite Remedy with fine results," writes Rev. G. R. Mente, Methodist Parsonage, New Washington, Ohio. "Mentioned this at a Farmer's Institute a few weeks ago. Consequently, farmers by the dozen have been after me every since to find out where and how they could get it. It has put a stop to the poultry losses in this community. You are a great benefactor to poultry raisers."

Lice and Mites Go Like Magic



This remarkable new discovery which Rev. G. R. Mente, used is Imperial Lice and Mite Remedy. Just a few drops occasionally in the fowls drinking water makes Lice, Mites, Ticks and all vermin go like magic. No more disagreeable and unsanitary dusting, spraying, greasing or dipping. Equally good for Chickens, Turkeys, Ducks, Geese, and Pigeons. Fine for baby chicks and makes them healthier, sturdier and grow faster. All poultry raisers know that sickly, lice-infected hens cannot lay or have good hatches. Vermin sap the very life and strength of hens and baby chicks. Stop these losses now. Guaranteed not to affect eggs or flesh of fowls in any way. Also a splendid egg tonic and blood purifier. Costs but a trifle, on money-back guarantee of satisfaction.

White Diarrhea Remedy Free (Regular \$1.00 Size Package)

At last a sure treatment for this dread disease. No muzz. No fuss. Comes in condensed tablet form to be dropped occasionally in chicks' drinking water. Raise every chick hatched. Economical to use. Be prepared. These remedies should always be on hand.

SEND NO MONEY. Just your name and address to Imperial Laboratories, Dept. 6399, Kansas City, Mo., for one regular, full size \$1.00 bottle of Imperial Lice and Mite Remedy (double strength) and they will include free of cost, a regular \$1.00 box of Imperial White Diarrhea Remedy. Pay postman only \$1.00 and few cents postage on arrival. Or, a large size Trial Package of either one of these remedies for 50c.

If you have a large flock, this Special Introductory Offer also applies on a double quantity of both remedies—two regular \$1.00 bottles of Lice and Mite Remedy, and two regular \$1.00 packages of White Diarrhea Remedy at an additional saving—all for \$1.75. Simply specify that you be sent this regular \$4.00 value for only \$1.75. Readers risk no money, as Imperial Laboratories are fully responsible and will refund the cost on request any time within 30 days.

HIGHEST QUALITY CHICKS

Michigan's Old Reliable Hatchery (The most modern and best equipped Hatchery in the state)

PURE BRED English and American S. C. W. Leghorns; S. C. Anconas; Barred Plymouth Rocks and R. I. Reds. Strong, well hatched chicks from tested Hoganized Free range stock that make wonderful winter layers.

Chicks sent by Insured Parcel Post Prepaid to your door. 100% live delivery guaranteed. Fifteen years of experience in producing and shipping chicks has given absolute satisfaction to thousands. Write for illustrated free catalog and price list. Get lowest price on best quality chicks before you buy. Holland Hatchery, R. 7, Holland, Mich.

TRANSFER CHICKS FROM INCUBATORS TO HENS

I wish to tell you about two queer hens I have in my flock. One Rhode Island Red and one little Bantam hen. Easter Sunday the Rhode Island Red hatched three goslings and one chick. A week later a White Rock hen hatched three goslings and two chicks and she would not have these queer looking baby goslings and pecked them until I took them to the Rhode Island Red, and she took them without a murmur, but when I gave her the extra chicks she wouldn't have them. Then the little Bantam came off with baby chicks a week later, and I gave her the two chicks and she took them. She went on the nest for a week to start with, never laid an egg and then went to setting and hatched out baby chicks. This morning I had two goslings hatch and gave them to the Rhode Island Red. I guess she would take all the goslings one would give her. But it still being too cold to keep the three little ones out of doors I brought them in and gave them to the Bantam, and she squawked about such looking babies and when I put them under her and told her she had to keep them. I guess she understood for she made no more fuss and they eat and sleep all together now and all are happy.—Mrs. T. R., Allegan, Michigan.

—It is a common practice for poultrymen to incubate eggs artificially and then induce a foster mother to raise the chicks. It is probably a more common practice to set the incubator and the hens at the same time and when the entire hatch is completed to transfer the chicks from the machines to the hens. In making this transfer, one should be very careful not to add chicks of different color to those hatched by the hen, because she will immediately detect that they do not belong to her own brood and is very liable to peck and abuse the chicks to such an extent that high mortality results altho you do not mention the color or the breed of the chicks produced.

I would surmise the reason why these hens did not adopt the chicks more gracefully was due to the variety of color. It is not a good practice to rear goslings and chicks together as their habits are so entirely different. Little difficulty is experienced in giving each hen chicks of the same color and if different breeds are being raised together, each hen should be given a few eggs from the different breeds so that she will have a variety of colors among the chicks she hatches.—E. C. Foreman, Associate Professor of Poultry Husbandry, M. A. C.

COMBINATION OF DISEASES

We are troubled with a disease among our hens. First it causes their heads to swell around the eyes, then they become lame, they get very thin and die. Could you please tell us what this disease is called and also what to do for it?—Mrs. J. S., Brown City, Michigan.

—From the symptoms described, the trouble could be diagnosed as a combination of either Chicken Pox or Roup, and Tuberculosis or some nutritional disturbance.

Ordinarily in the case of Roup a discharge is usually apparent in the nostrils and a swelling in front of the eye altho the entire eye may become affected in severe cases. In the case of Chicken Pox, brownish or blackish scabs appear on the comb and wattles and in real severe cases cankerous growths develop in the throat and mouth causing a high mortality due to difficult breathing. In the case of nutritional disturbances a puffiness usually occurs around the eye without an accumulation of puss. The birds in such cases generally possess good appetites but are usually weak and low in fertility.

Lameness is sometimes one of the external symptoms of Tuberculosis, especially when it occurs in the left leg and is accompanied by an emaciated condition. Some forms of leg weakness, however, may be due to Rheumatism caused by faulty housing conditions. It may also be due to "spring complaint" or "Layers' cramps" both of which have their origin in faulty nutrition.—E. C. Foreman, Associate Professor of Poultry Husbandry, M. A. C.

NEW PRICE LIST FOR JUNE, JULY AND AUGUST, 1923

Table with columns for Bird, Price per 100, Price per 500. Rows include Barred Rocks, S. C. Reds, Minorcas, Anconas, White Leghorns, Brown Leghorns, Buff Leghorns.

QUALITY Chick Price Cut

Wh., Br., Buff Leghorn 10c; Br. Rock 11c; Wh. Rock, Reds, Wh. Wy., B. Orps., 12c; Assrt. 9c; Assrt. large breeds, 10c. Catalog free. MISSOURI POULTRY FARMS, Columbia, Mo.

POULTRY BREEDER'S DIRECTORY

Advertisements inserted under this heading at 30c per agate line, per issue. Commercial Baby Chick advertisements 45c per agate line. Write out what you have to offer and send it in. We will put it in type, send proof and quote rates by return mail. Address The Michigan Business Farmer, Advertising Department, Mt. Clemens, Michigan.

PULLETS, HENS AND COCKERELS

S. C. White Leghorns and S. C. and R. C. Black Minorcas. Must make room before cold weather. About ready to lay. LAPHAM FARMS, Pinckney, Mich.

JOHN'S BIG BEAUTIFUL BARRED ROCKS are hen hatched, good layers, quick growers, light and dark matings, 30-eggs \$3.50; 50-\$5.00 postage paid circulars. John Northon, Clare, Mich.

HATCHING EGGS

HATCHING EGGS

S. C. White Leghorns, Tom Barron Strain, 250 egg utility line. November to April, average .65 per cent. Pure white plumage. Range grown, healthy, vigorous stock. Eggs \$1.50 per 15; \$4.00 per 50; \$7.00 per 100. Prepaid. Limited supply. Order from this ad now. MAPLEWOOD POULTRY FARMS C. W. Bovee, Prop. North Star, Michigan.

BUFF ROCK EGGS BY 10 LB. MALES O. winners. Hogan tested hens, heavy layers. J. C. CLIPP & SONS, Box M, Safford, Ind.

THOROUGHbred BUFF ROCK EGGS from Blue Ribbon Winners, \$1.50 per 15; \$9.00 per 100. BALDWIN & NOWLIN, R. 4, Laingsburg, Mich.

White and Barred Rock Eggs for Hatching. Pure, Prize winning utility strains, selected pens, \$1.35 per setting, \$1.00 a setting, delivered P. P. special on quantity. Dawson's Farm, R. No. 4, Muskegon, Michigan.

BARRED ROCK HATCHING EGGS. NORMAN Heavy Laying Strain. MRS. JESSIE B. DEAN, R. 1, Mason, Mich.

BARRED ROCK HATCHING EGGS. PARKS 200-egg strain. \$2 per 15; \$5 per 50; \$10 per 100 by prepaid parcel post. R. G. KIRBY, R. 1, East Lansing, Michigan.

FOR SALE—BARRED ROCK HATCHING EGGS from good winter layers. \$1.25 per 15 or \$2.00 per 30 postpaid. Mrs. Frank Millikin, R. 1, Roscommon, Mich.

PURE BRED BUFF ORPINGTON EGGS AT \$2-15; \$5.50-50. Prepaid. MRS. ANNA LA NOUE, Fostoria, Michigan.

THOMPSON STRAIN BARRED ROCK EGGS by 9 lb. males, bred to lay. Dark matings \$1.75 per 15; \$3.00 per 30 prepaid. MRS. FRED KLOMP, St. Charles, Michigan.

ROSE COMB RHODE ISLAND REDS. HATCHING EGGS \$1.25 per setting. Postpaid. Mrs. Albert Harwood, R. 4, Charlevoix, Mich.

EGGS FOR HATCHING—UTILITY STOCK. Grand White Wyandottes—M. A. C. Champions. Good, square deal. Reasonable prices. Send for price list. C. W. HEIMBACH, R. 5, Big Rapids, Michigan.

EGGS FOR HATCHING—PURE BRED WHITE Wyandottes, 15 eggs \$1.25; 30 eggs \$2.00; 50 eggs \$3.00; 100 eggs or more 5 cents each. Single settings prepaid. Others f. o. b. Allegan. H. M. Horton, Citiz. Phone 294B, Allegan, Mich.

WHITE WYANDOTTES MARTIN STRAIN. Eggs for hatching WAYNE CHIPMAN, R. 2, Washington, Mich.

SILVER LACED AND WHITE WYANDOTTES Four large, beautiful roosters. Eggs \$1.50 per 15. C. W. BROWNING, Portland, Michigan.

BOURBON RED TURKEYS. EGGS 50c EACH. THOS G. CALLAGHAN, Fenton, Michigan.

MAMMOTH PEKIN DUCK EGGS FOR SETTING \$2.00 or two settings \$3.00. Also Wild Mallard Duck eggs same price. Very choicest stock. All orders prepaid. Cedar Bend Farm, Okemos, Mich.

LEGHORNS

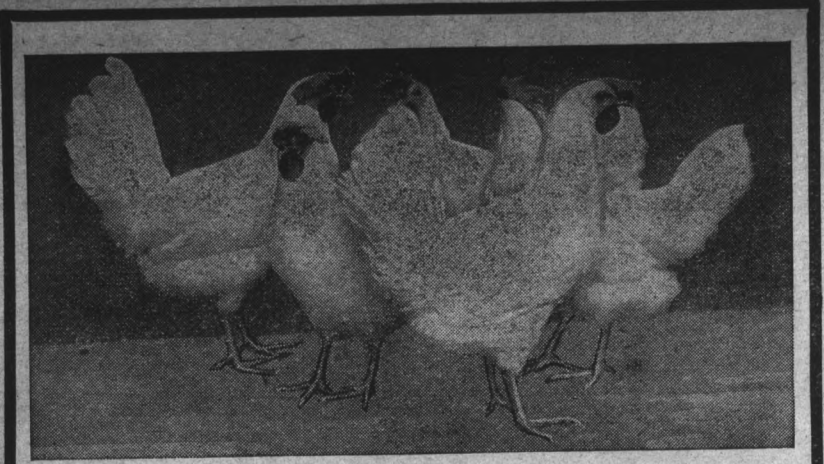
LEGHORNS

S. C. Buff Leghorn Hens, Pullets and Cockerels. Hens and pullets \$2.50 each; cockerels \$3.00 to \$5.00 each. Show birds a matter of correspondence. LAPHAM FARMS, Pinckney, Mich.

PULLETS BARRON ENGLISH WHITE Leghorns, eight weeks to maturity—May to October. Breeding flocks repeatedly culled by experts. Extra large and vigorous. Wedge shaped bodies, big looped combs. "Laying bill" in every way. Also breeding cockerels. Satisfaction and more or money back. MORSE WHITE LEGHORN FARM, Belding, Michigan.

ANOTHER PROOF THAT IT PAYS TO ADVERTISE THROUGH THE BUSINESS FARMER

Have had splendid results from your paper.—Mrs. Laverne Brownell, Belmont, Mich.



Our Business Egg-Bred Leghorns
Produce Our
Dependable Quality Chicks!
The Famous Egg Basket Strain
Single Comb White Leghorns
Mated to Hollywood
250 to 300 Egg Pedigreed Sires

Profits in Large White Eggs and Plenty of Them When Prices Are High. That's what you want, and that what you get in the Famous Egg Basket Strain.

Our parent stock is selected with the greatest of care by experts as to their laying ability and health. They are of large size, long, deep, wedge-shaped bodies, with keen, alert eyes, and large lopped combs.

These wonderful Pedigree-Sired Matings, combined with our fifteen years of skillful breeding produce our Egg Basket Strain Leghorns, famous all over the United States for their large size and great laying quality of large white eggs. They are proven winter layers and consistent winners for our customers at leading shows and Egg-Laying Contests. They should be the best investment you ever made in baby chicks.

Q. DEVRIES Grandview Poultry Farm, Box 1, Zeeland, Mich.



BABY CHICKS **GOING UP** **GET CHICKS ON**
White and Brown **ONE MILE** **the day you want them**
Leghorns, \$13-100 **AHEAD OF** **COMPETITORS**
Anconas, \$14-100 **IN QUALITY**

R. I. REDS, ROCKS and MINORCAS, \$16.00 100. Extra selected \$2.00 per 100 higher. 100% safe arrival guaranteed. Will ship any number of 25 or more, special prices on 500 and over.

COLONIAL POULTRY FARMS, Box B, Zeeland, Michigan.

HILLVIEW HATCHERY
GUARANTEED TO ARRIVE



Strong and Healthy. Chicks from selected heavy laying, Hogan tested flocks. **ENGLISH WHITE LEGHORNS** and **BROWN LEGHORNS**. Heavy Laying **EXTRA GOOD BARRED ROCKS**. Postpaid to your door and full live delivery guaranteed. Our flocks are kept on free range properly fed and cared for insuring the vigor necessary in the Chicks to live and **MAKE A PROFIT**. Give us a trial and you will come again.

HILLVIEW HATCHERY, Route 12 E, Holland, Michigan.

150,000

CHICKS for JUNE and JULY deliveries. REDS and ROCKS, mated with M. A. C. COCKERELS. TOM BARRON W. LEGHORNS, and HEAVY TYPE B. LEGHORNS and ANCONAS at GREATLY reduced prices. 100% live arrival GUARANTEED. POSTPAID. Strong chicks from Vigorous, Heavy Laying flocks. Catalog FREE.

KNOLL'S HATCHERY, R. 12, Holland, Michigan

CHICKS \$8.50 PER 100 AND UP Postpaid to your door and full live count guaranteed

Varieties	Prices on 50	100	500
WHITE, BROWN and BUFF LEGHORNS	\$5.00	\$9.50	\$45.00
BARRED ROCKS, S. C. REDS, ANCONAS, MINORCAS	7.00	12.00	57.50
WHITE ROCKS, WHITE WYANDOTTES	7.00	13.00	62.50
BROILERS, MIXED CHICKS	5.00	8.00	42.50

BUFF MINORCAS, 25, \$5.50; 50, \$10; 100, \$20.

Hatched in best modern incubators from good, vigorous, pure-bred, heavy-laying flocks on free range. Carefully selected and packed to go safely. Order right from this ad with full remittance. Save time. No catalog. Reference: Citizens Savings Bank. You take no chance. Instructions for raising late Chicks with each order.

THE EAGLE NEST HATCHERY, Box K, Upper Sandusky, Ohio

CHICKS WITH PEP, \$11 per 100 and up

Selected Hogan Tested Flocks. Postpaid, full live delivery guaranteed. **BUFF ORPINGTONS, WH. and SIL. WYANDOTTES, 50, \$9.25; 100, \$18; BARRED and WH. ROCKS, S. and R. C. REDS, MINORCAS, 50, \$8.25; 100, \$16. ANCONAS and HEAVY BROILERS, 50, \$7.25; 100, \$14. WH. BR. and BUFF LEGHORNS, 50, \$7; 100, \$13. MIXED, ALL VARIETIES, \$11 per 100 straight. On 500, 5% off; 1,000 10% off. Free Catalog. Member I. B. C. A.**

HOLGATE HATCHERY, Box B, Holgate, Ohio.

BABY CHICKS—REMARKABLE FOR SIZE and strength. Reasonable prices. Leghorns, Anconas, Rocks, Reds, Wyandottes, Orpingtons, Minorcas, Spanish, Brahmas.

TYRONE POULTRY FARM, Fenton, Mich.

CHICKS for June 19 Delivery

Improved S. C. English type White and Brown Leghorns, \$10.00 per 100; \$50.00 per 500. Extra selected \$12.00 per 100; \$57.50 per 500. From all good profitable layers and our selected are from our very best layers.

This is our 12th year breeding, hatching and shipping chicks, and we are offering you chicks from the best layers at a very reasonable price.

We pay the postage up to your door and guarantee you 100% safe arrival. Order direct from this ad to save time, for it pays to be a little ahead of time, or write for our free 32 page catalogue.

Wolverine Hatchery, Zeeland, Mich.

CHICKS

THAT GROW, LAY AND PAY
Barron English White Leghorns, Brown Leghorns and Anconas.

PURCHASE THIS YEAR'S CROP OF CHICKS from tested layers, headed by large vigorous 260 to 288 Pedigreed Males.

CUSTOMERS REPORT BIG PROFITS with these wonderful layers. Write today for our large illustrated catalogue. It tells all about them, it's free.

WYNGARDEN HATCHERY
Box B, Zeeland, Mich.

CHICKS THAT MAKE PROFIT



\$10 PER 100 AND UP. From vigorous, pure-bred flocks on free range, selected for heavy-laying qualities and well cared for. Low prices considering exceptional quality.

WHITE, BROWN and BUFF LEGHORNS, 50, \$7; 100, \$13; 500, \$62.50; 1,000, \$120. **WHITE and BARRED ROCKS, WHITE WYANDOTTES, MINORCAS, 50, \$8; 100, \$15; 500, \$72.50; 1,000, \$140.** **POSE and S. C. REDS, ANCONAS, 50, \$7; 100, \$13; 500, \$62.50; 1,000, \$120.** **Mixed, all varieties for broilers, \$10 per 100 straight.** Postpaid to your door and full live count guaranteed. You can order now direct from this ad and get them when you want them. Bank reference. Free catalog.

BLUFFTON HATCHERY, Box L, Bluffton, Ohio

100,000 JUNE CHICKS

Hatched under my personal supervision from personally inspected flocks of heavy-laying, pure-bred fowls.

Varieties	Prices on 100	500
White, Brown and Buff Leghorns	\$10.00	\$47.50
Barred Rocks, Reds, Anconas	12.00	57.50
White and Buff Rocks, White Wyandottes, Minorcas	13.00	62.50
White and Buff Orpingtons, Silver Wyandottes	14.00	67.50

POSTPAID and full live delivery guaranteed. Get your order in quickly right from this advertisement with full remittance. Bank Reference. Free Catalog.

H. B. TIPPIN Box E, Findlay, Ohio.....Member I. B. C. A.



400,000 Chicks

Big, strong chicks from well-bred and well-kept, heavy laying hens.

White, Brown, and Buff Leghorns, 50, \$5.50; 100, \$10; 500, \$48. Barred Rocks, Reds, Anconas, 50, \$12; 100, \$20; 500, \$58. White Rocks, White Wyandottes, Buff Orpingtons, 50, \$7; 100, \$13; 500, \$63. Silver Wyandottes, 50, \$7.50; 100, \$14; 500, \$70. Postpaid. Live arrival guaranteed. Bank Reference. Order direct from this ad. Free Circular.

MODERN HATCHERY
Box F, Mt. Blanchard, Ohio

Egg Bred White Leghorn Chicks

From our famous winter-laying English White Leghorns. Large, vigorous birds of fine utility type. Wonderful layers—the result of many years of breeding for increased production of large, white eggs. Our grade A chicks are from these selected females mated with pedigree sires bred from 200 to 300 egg dams, descendants from Penna Poultry Farm's egg laying contest winners, notably Lady Victory, 304 eggs and Keystone Maid, 306 eggs. Prices: 25, \$3.50; 50, \$6.50; 100, \$12; 500, \$57.50; 1,000, \$110.00. Full count and live arrival guaranteed by prepaid parcel post. Order direct from ad. You can do so with absolute safety, as you are fully protected by our guarantee of perfect satisfaction. Reference, Zeeland State Bank. Catalog free.

PATER'S POULTRY FARM, R. 4, Hudsonville, Mich.

Rosewood Farm
Healthy, Hardy Chicks

Well-hatched, carefully packed, and shipped. Select, heavy laying **WHITE LEGHORNS, 50, \$7; 100, \$13; 500, \$62.50; 1,000, \$120.** Select **ANCONAS, 50, \$7.50; 100, \$14; 500, \$67.50.** Select **BARRED ROCKS, 50, \$8.50; 100, \$16.50; 500, \$80.** Postpaid, full live delivery guaranteed. Our chicks will render you the best of satisfaction and you will **COME BACK TO US.** We have had long experience in producing good Chicks and our flocks are second to none. Circular, free. **ROSEWOOD FARM, R 12 A, Holland, Mich.**

WASHTENAW

HATCHERY, JUNE PRICES. Hatches Mondays and Tuesdays. Barred Rocks, Reds, W. Wyandottes, \$13.00 per 100. White Rocks, \$15.00. Buff Orpingtons, \$17.00. S. C. W. Leghorns, \$11.00. 500 or more, 1c less per chick. Add 50c for half and quarter hundreds.

Postpaid, full live delivery guaranteed. Our flocks are carefully selected and bred for high egg production. Order from this ad. Reference, Farmers and Mechanics Bank.

WASHTENAW HATCHERY, Ann Arbor, Mich.

Star Hatchery **BABY CHICKS**

From Select, Vigorous, Heavy Laying Breeding Stock

Prices Reduced

Hatched by modern methods in best machines under our personal supervision. Carefully packed and sent postpaid and 100% live delivery guaranteed. Bank Reference. You take no chances in ordering **STAR BABY CHICKS.** Place your order now and get them when you want them.

STAR HATCHERY, Box X, Holland, Michigan

Hardy Northern Bred Chicks

Reduced Prices for June Delivery. Barron S. C. W. LEGHORNS 100 each, \$90.00 per 1,000. Parks Strain **BARRED ROCKS** 130 each, \$92.50 per 500. Parcel Post paid. 100% live delivery guaranteed. Quality is assured as we are owners and breeders of one of the leading pens at the Michigan Egg Laying Contest. 8 to 10 weeks old S. C. W. Leghorn pullets \$1.00 each. \$90.00 per 100.

PINE BAY POULTRY FARM, Holland, Mich.

BABY CHICKS 12c AND UP
Member Mid-West Baby Chick Association.
THOS. G. CALLAGHAN, Fenton, Michigan

GREEN LAWN CHIX sent insured parcel post prepaid. Barred Rox, White Rox, R. I. Reds, and Black Minorcas, \$16 per 100. Brown Leghorns, English White Leghorns or Anconas \$14 per 100. Heavy Broilers \$14 per 100. Odds and Ends \$13.00 per 100. 5% discount on 500 or 1,000 lots. All varieties 1 1/2¢ each in less than 100 lots. Our 13th year producing high grade chix that please. Our method of shipping positively prevents chilling and crowding and we guarantee 100% live delivery. May June, July 1c per chix less. Order from this ad and state just when you wish chix sent. A saving to cash customers. Deduct 5% if full cash is sent with order. Reference: Fenton State Bank.

GREEN LAWN POULTRY FARM, Fenton, Mich.
Gus Hecht, Proprietor.

BABY CHICKS
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Prices on our very best A-1 English White Leghorn and Ancona Chicks reduced to \$11.50 per 100; \$55.00 per 500; \$105.00 per 1,000. Get our descriptive catalog or order from ad. **Model Poultry Farm & Hatchery, Zeeland, Mich.**

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CHICKS—WE HAVE SHIPPED THOUSANDS each season since 1904. Different breeds, free booklet with guarantee and delivered price. **Freeport Hatchery, Box 10, Freeport, Mich.**

CHICKS—SINGLE COMB BUFF LEGHORNS only Strong healthy chicks from good laying stock. **J. W. WEBSTER, Bath, Mich.**

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MARKET FLASHES

FOOTE'S MARKET LETTER

BY W. W. FOOTE

A Word to Our Readers

FARMERS and stockmen who read *The Business Farmer* are cordially invited to write whenever they desire any information about the markets, or when they have information to offer regarding farm matters in their neighborhood. Predictions as to the future are obviously more or less uncertain, but advice is always cheerfully given when requested. In a general way, it may be said that until farm workers become plentier and their wages are considerably reduced it seems to be advisable for farmers to avoid branching out too much, and fewer acres well cultivated and diversified farming should bring in larger profits than the old methods of a large acreage devoted to grains. Many farmers are endeavoring to grow as much food for their families as they can, instead of spending comparatively large amounts of money. Every farm should have an orchard of fruit trees, as well as grape vines, berry bushes and vegetable garden, besides plenty of hens, some cows, hogs and sheep. Fortunately, many of our Michigan farmers are already pursuing this course, with the best of results. In parts of the country where the land is level numerous farmers who were unable to hire helpers have been buying tractors. The former ambition of owning large tracts of farm lands has largely died down, and the inflated war time prices are no longer paid, except in rare instances. Many farmers are wondering how the movement started by the federal government recently to prevent wild speculation in grain on the produce exchanges of the United States is going to effect the market. Statements of purchases and sales of grain futures since May 1 are called for.

Rallies in Grain Prices

Wheat prices for several weeks followed a downward course, and corn and oats sold lower, but they declined less than wheat, while the fall in prices for oats was still less. Part of the fall in wheat was brought about at the beginning of May by extensive sales of speculators, who were taking their profits. Since then some good advances have taken place, with active speculative and export buying, and smaller advances in corn and oats. Crop reports are potential in making prices, and this is especially true of wheat. Much importance is attached to the fairly large exports of flour and wheat from the United States and Canada, and a few days ago a sale of a cargo of new crop hard wheat, the first such sale of the season, was made at the Atlantic seaboard for shipment to Germany. All along Germany has been a large buyer of rye in this country, yet our rye stocks in sight are reported as aggregating 17,370,000 bushels, comparing with only 6,208,000 bushels a year ago. Of late our exports of corn and oats have been much less than a year ago, but visible supplies of both grains are much smaller than at that time. Corn planting is late because of the cold, wet spring, and much uncertainty is felt regarding the next crop. Wheat continues to sell at much below prices paid one and two years ago; but corn is still selling much higher than last year, and oats prices are greatly lower. The sentiment in the wheat market is that prices in the coming crop year will be higher, but this is looking considerably ahead. The trouble with corn is that it is selling out of line with hogs at the present time, and many farmers talk of reducing their spring breeding. Recent sales were made on the Chicago Board of Trade of May wheat at \$1.18, comparing with \$1.40 a year ago, May corn at 81½ cents, comparing with 61 cents last year; May oats at 43 cents, comparing with 37½ cents last year; and May rye at 78½ cents, comparing with \$1.08 a year ago.

Increased Consumption of Beef

During recent weeks there has

MARKET SUMMARY

Wheat market easy. Other grains quiet. Beans steady after recent advances. Old potatoes dull. Butter and eggs are in demand and firm. Poultry in fair supply and demand good. Dressed calves wanted. Hogs steady. Cattle quiet.

(Note: The above summarized information was received AFTER the balance of the market page was set in type. It contains last minute information up to within one-half hour of going to press.—Editor.)

been a marked increase in the consumption of beef in this country, and this has made a better outlet for beef steers, cows and heifers; so that it was possible to sell much increased supplies of cattle in the Chicago market at firm, and even higher prices, subject to temporary reactions at times. Recent sales of steers have been largely at \$8.50 to \$10.25, with more sales at \$10 to \$10.40 than at any previous time since January. The best class of steers brought \$9.50 to \$10.50, the best yearlings selling at \$9.25 to \$10.25, while common light weight steers brought \$7.15 to 7.75. Butchering cows and heifers sold at \$4.50 to \$9.50, bulls at \$4.50 to \$8 and calves at \$5 to \$11.50. Only a moderate business was transacted in stockers and feeders, but prices were higher because of a very limited supply, sales being made at \$6 to \$8.75. Quality was demanded, and good lots sold at \$7.75 to \$8.50 mainly. A year ago common to prime steers sold at \$7 to \$9.25. Prospects for the future look promising.

Hogs Marketed Rapidly

There is a large demand in the Chicago market for hogs on local and shipping account, and despite continued heavy receipts, the decline in prices has been checked, late sales being as high as a week earlier, buyers paying \$6.25 to \$7.85, mainly \$7.30 to \$7.80. Prime light hogs topped the market, selling 15 cents above the best heavy butchers. A year ago hogs sold at \$9.50 to \$11, supplies at that time far exceeding those at this time. Hogs reaching the Chicago market are mostly good, and their average weight is 243 pounds. Combined receipts in seven western markets for the year to late date amount to 12,463,000 hogs, comparing with 8,953,000 a year ago, 9,608,000 two years ago and 10,354,000 three years ago. Further declines in prices are expected. Advices from the country show plenty of hogs left and anxiety on the part of many stockmen to get their holdings shipped to market. The domestic consumption of lard, fresh and cured hog meats continues extremely large, and exports of provisions loom up big, especially of lard, these far exceeding those of a year ago. Still, the cold storage stocks of provisions in this country are growing rapidly, and are far greater than a year ago.

Active Demand for Horses

Not enough of the higher grade horses are coming on the Chicago market to meet the present increasing demand, and suitable drafters and chunks are bringing \$175 to \$225, with occasional sales at \$250 to \$275, and once in a while a sale around \$300. The heavier the better the buyer is suited, the demand being for horses weighing from 1400 to 2,000 pounds. Inferior horses are poor sellers around \$25 to \$50. In the east many big trucks are being replaced with horses, and recent sales have been made of matched teams at \$400 to \$500. A large part of the horses offered sell singly for \$100 to \$150. To a very large extent farmers have ceased to raise even for their own use.

Great Boom in Lambs

Insignificant Chicago receipts of spring lambs, clipped lambs and Colorado wool lambs have brought about sensational advances in prices for everything that is fat, the offerings falling greatly below the demand. The spring is late, and there is a great gap between the close of the season for marketing Colorado lambs and the delayed

marketing of southern spring lambs. Farmers who are in the sheep industry these times are extremely fortunate. Recent receipts were much the smaller of the year, and prime Colorado wool lambs advanced to \$17, while the best clipped lambs brought \$15.60, and California spring lambs went to \$17.50.

WHEAT

Trading was lifeless last week in wheat and any attempt by bulls to cause the market to become active and prices advance was met with a flood of wheat that left dealers with more grain than they knew what to do with. However, the market declined only slightly as crop news was of a bullish nature. The reports from the majority of the winter wheat producing states were that the yield per acre will be under that of last year by quite a bit, because of poor stooing and thin fields and these reports were on the increase as the week drew to a close. But in spite of these reports the market did not strengthen as the bulls expected, giving the impression that the backward condition of winter wheat had been discounted. Dealers believe the short promise will attract the attention of the investor who will buy and hold, compared with the present purchaser who buys and then sells as soon as he sees an opportunity to make a small profit. The price of wheat is low, compared with other products, and must go up or other commodities decline. During last week the Detroit market advanced 3c and declined 1c leaving it 2c higher than on the close of the previous week.

Prices

Detroit—Cash No. 2 red, \$1.34; No. 2 white, \$1.34; No. 2 mixed, \$1.34.

Chicago—No. 2 mixed, \$1.22.

Prices one year ago—Detroit, No. 2 red, \$1.37; No. 2 white, \$1.35; No. 2 mixed, \$1.35.

CORN

The corn market traveled much the same route as wheat during the past couple of weeks. Sales of corn to arrive showed some increase but domestic demand was slow and export trading quiet. Receipts were small. Corn planting is well under way, and while the soil in some sections is too wet to work, in general the ground is in good condition and planting is going along rapidly. The Detroit market shows a gain of 1c over a week ago.

Prices

Detroit—Cash No. 2 yellow, 87c; No. 3, 86c; No. 4, 84c.

Chicago—No. 2 yellow, 86c; No. 3 yellow, 84c.

Prices one year ago—Detroit, No. 3 yellow, 65½c.

OATS

The oat market showed a loss for the week. This was due to local and commission house selling, based on the easiness in other grains. Oats finished last week 1c lower compared to the week before, thus being the only grain showing no advance.

Prices

Detroit—Cash No. 2 white, 50c; No. 3, 48½c; No. 4, 47c.

Chicago—Cash No. 2 white, 46c; No. 3, 44c.

Prices one year ago—Detroit, No. 2 white, 45c.

RYE

The Detroit market for rye shows an advance in price of 1c over a week ago. The demand is fair but

quiet with the market easy in tone.

Prices

Detroit—Cash No. 2, 81c.

Prices one year ago—Detroit, Cash No. 2, \$1.09.

BEANS

The bean market developed strength the forepart of last week and prices made advances. At Detroit the total gain amounted to 45c during the past fortnight. The market is in a fairly strong position at the present time and prices are expected to go higher in the near future. However, there will undoubtedly be slight declines in the meantime. Dealers all declare they can see no reason why prices should not go still higher as the demand is good. One of the main troubles with the market for Michigan beans is that the price fluctuates within such a wide range. If a dealer or wholesale grocer goes out to buy a carload on an advancing market the price will be boosted every few minutes by some rabid speculator, and for that reason much buying is done on the "hand to mouth" basis. If the national advertising campaign now under consideration is put on it will tend to stabilize prices so that the wholesale grocer can buy a carload of beans without fear of a sudden change in price that will mean a great loss to him. The Michigan bean is rapidly approaching the place where good demand is constant, or as near as possible, becoming the favorite of the canners throughout the country and several large dealers report many of their customers buy strictly C. H. P. Michigan beans only. Indications are that a large acreage will be planted this year.

Prices

Detroit—C. H. P. \$7.25 per cwt.

Chicago—C. H. P. \$7.25 per cwt.

Prices one year ago—Detroit, C. H. P. \$8.50 per cwt.

POTATOES

If the old potato market is going much lower it has shown no indication during the past week or so. The bottom may have been reached as the shipments of old stock are practically at a standstill. Few potatoes are left at Northern Michigan points and there is no indication that the market will soften much until the end.

Prices

Detroit—Michigan, \$1.33 @ 150 per cwt.

Chicago—Wisconsin and Round whites, \$1 @ 1.15 per cwt.

Prices one year ago—Detroit—Michigan, \$1.92 per cwt.

HAY

A firm tone has prevailed in the market during the last couple of weeks, owing to light receipts. While shipments received on the markets at some points are larger than they were a week ago in general they are not sufficient to take care of the demand. Spring work is holding up country loadings.

Prices

Detroit—No. 1 timothy, \$17.50 @ 18; standard, \$16.50 @ 17; light mixed, \$16.50 @ 17; No. 2 timothy, \$15.50 @ 16.50; No. 1 clover mixed, \$14 @ 15; No. 1 clover, \$13 @ 14.

Chicago—No. 1 timothy, \$22 @ 23; light mixed, \$19 @ 21; No. 2 timothy, \$18 @ 21; No. 1 clover, \$15 @ 16; No. 2 clover, \$13 @ 14.

New York—No. 1 timothy, \$25 @ 26; No. 2 timothy, \$22 @ 25; No. 1 clover mixed, \$25.

Prices one year ago—Detroit, Standard timothy, \$21 @ 22; light mixed, \$21 @ 22; No. 2 timothy, \$20 @ 21; No. 1 clover, \$16 @ 17.

WOOL PRICES MAINTAIN STEADY LEVEL

Activity in wool marketing in some sections of the range states and very little movement in other sections during the past week is reported to the United States Department of Agriculture by its field representatives. A considerable portion of the wool is reported as having been contracted for and a fair quantity pledged for sale through

the various pools. Prices paid range from 30c for fall wool in California to 53 1/8s for twelve-months' wool in other states. In some sections shearing has just commenced.

WEEKLY MARKETGRAM
U. S. Bureau of Agricultural Economics
Washington, D. C. for the week ending May 19, 1923.

FEED—Markets dull and declining. Demand very moderate. Linseed meal heavy, offerings good, demand light. Cottonseed meal easier, stocks fair, demand light. Season shipments bran and middlings offered in easter markets around \$27. Production most feeds good. Stocks and interior supplies slightly in excess of present requirements. Quoted May 18; bran \$26, middlings \$28; flour middlings \$30; Minneapolis 1; gluten feed \$37.15 Chicago.



Week of May 27

The first half of the week of May 27th is expected to be fair and generally warm in Michigan.

About the middle part of the week, however, skies will cloud over and general showers with some scattered rains and thunder storms are to be expected in various counties of this state. These conditions with high winds will continue over Thursday but during this day temperatures will fall lower.

There are indications that the sky will clear off about Thursday but about Friday will again become overcast, threatening and precipitating general showers during last two days of week.

Week of June 3

About Wednesday or Thursday begins a period of general showers,

electrical storms and high winds that will continue throughout the balance of the week. Locally these storm conditions will be severe with very heavy rains doing considerable damage.

Much Cooler About June 23
Notwithstanding the fact that we recently stated in these columns the three weeks centering on the summer solstice would be warm, we wish to emphasize that the few days either side of June 23rd will be quiet cool for the season and tender growth should be protected accordingly. This does not contradict our previous forecast of warm weather on the average for the three weeks. To the contrary this should serve as a warning, as a cool spell during an average warm period is more dangerous to growing crops than a long series of cool weather weeks.

WARMER WEATHER COMING
As this is a nice cool morning and this snow storm has got us beat on the bean proposition, we would like to know whether the weather man could help us out on what we could plant to avoid the cold weather and escape the hot, dry weather at blossoming time. The blight or hot, dry weather stopped us raising beans four or five years ago. Any information would be thankful to get. There are about three inches of snow on the level this morning and still snowing.—A. J. Rumbaugh, Van Buren County, Mich.
—We look for a change in temperature conditions beginning about the second or third week in June. For the balance of that month and running into July we look for warmer weather than usual for this time of year.

The rainfall will be heavier than usual or, at least, plenty of it, according to our figures. For this reason your bean crop should be planted on well drained land and we believe your crop will get a fair start.

Late plantings will probably be best this year as we figure the average temperature during blossoming time (latter part of July) will be normal to below. Therefore, blossoms will set and rapidly develop into healthy bean pods.

Temperatures during the week from June 20 to 27 will average cool and while we do not believe it will develop into frost in your section, we advise that you keep close watch of your thermometer, the sky and the wind.

TOO MANY FARMERS FOLLOWING RADICAL LEADERS
(Continued from Page 13)
of labor is only temporary and to bring in foreign labor would not only hasten unemployment but accentuate the condition when it does come.

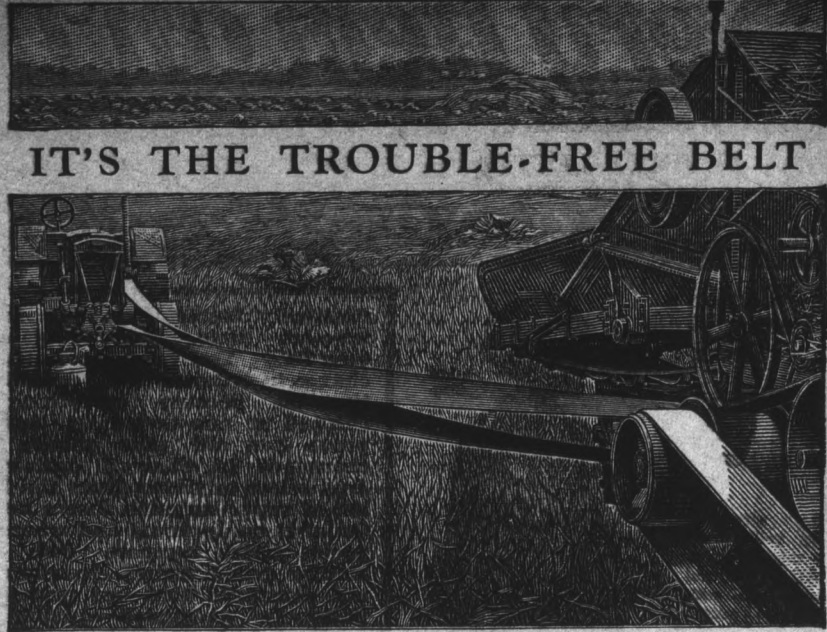
We are too familiar with the evils of emigration to reverse our present policy of restriction. We already have an immense population in this country, a large part of it congested in cities ranking among the largest in the world. Our population is increasing at a rapid rate and we know too well the conditions of the people in over-populated countries like India, China and Japan.

Times are very trying for the farmer but we must remember we are paying for the costliest war in history and it's not going to be easy. The just complaint of the farmer is that he is bearing much more than his share of the burden.

Labor unions by their powerful organizations have been able to prevent readjustment or any considerable reduction in wages. A large proportion of the farmers have backed up the unions in their attitude to their own direct detriment.

The farmers have always been noted at the great conservative class—too many of them now are following radical leaders that will get them nowhere but lead them into further difficulties. The farmers to a large extent are bunched by their own self-styled leaders. I would ask the average farmer what benefit he has received from all the legislation supposedly passed for his especial benefit since the war.

The great problems that confront him—inadequate and excessively high transportation, high cost of manufactured articles, unequal after-war readjustments, and exorbitant taxation, have received very little practical attention.—K. S. Wood, Charlevoix County, Mich.



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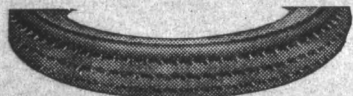
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12,000 Mile Oversize Cord 30x3 1/2	7500 Mile Heavy N-Skid 30x3 1/2
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34x4	13.45	8.95	2.10

Other sizes in proportion. We carry full line of odd sizes in stock. Get our latest price list. Ship C. O. D. on approval.

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HILL CREST DUROCS, PERRINTON, MICH. We are breeding twenty sows and eighteen gilts to a son of GREAT ORION SENSATION Yearling, spring and fall born. NEWTON & BLANK, Farm 4 miles straight south of Middleton, Gratiot Co., Mich.

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ANOTHER BUNCH OF REAL DUROG PIGS Sired Sensations King 12th. At seven months old stood 34 inches high, 68 long, legs 11 inches. Woodford Sensations breeding \$12.50. FREED BROS., Elwell, Michigan.

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ANNUAL BARGAIN SALE OF REG. COLLIES. Farm raised and natural heel drivers. SILVERCREST KENNELS, Gladwin, Michigan.

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30 days' free trial—then, if satisfied, only \$7.50 and a few easy payments—AND—the wonderful Belgium Melotte Separator is YOURS.

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Very attractive, dainty voile dress, with organdy trimming. Beautiful figured voile with new side panels. Youthful organdy collars and cuffs. Also pretty vestee insert of organdy and neat organdy sash. This model has all the lines of fashions selling at much more than Sharood's sale price. Misses sizes 14 to 20 years, 32 to 38 bust. Women's sizes 34 to 46 bust. Be sure to state size wanted. Choice of colors. No. 96E6712, Navy; 96E6713, Copenhagen; 96E6714, Rose; 96E6715, Lavender. Send no money. Pay \$1.98 and postage on arrival.



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A very beautiful tunic model in "stout" voile dress of graceful slenderizing lines for stout women. Made of good quality polka dot voile with tunic over-skirt, attractively trimmed with pretty organdy collar and cuffs. You will pay much more for a dress of equal value elsewhere. Better get your order in early. Sizes 39 to 53 Bust. State size wanted. Choice of colors. No. 96E6811, Black; No. 96E6812, Navy; No. 96E6813, Brown. Send no money. Pay only \$2.98 and postage on arrival.



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Made with imitation shield tip and medalion perforated vamp, perforated lace stay and circular foxings. Has medium rubber heel and medium pointed toe. Sizes 2 1/2 to 8. Wide widths. Order patent by No. 96A64. Order gun metal by No. 96A69. Order Brown by No. 96A70. Send no money. Pay \$1.98 and postage on arrival.

Rich Black Pump for Women

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Women's black satin dress pump, one-strap, one-button style with fancy rosette and ornament on strap. Plain vamp with medium toe and close edge sole with low rubber heels. Genuine oak soles. A dressy, stylish new spring fashion that will be all the rage among the best dressed women. Sizes 2 1/2 to 8. Wide widths. Order by No. 96A56. Send no money. Pay only \$1.98 and postage on arrival. State size.

Women's Soft Kid Slipper

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Mention Size

Beautiful soft kid leather slipper. Stylish strap model with two buttons. Medium round toe. Cushion soles. Black or brown kid. Sizes 2 1/2 to 8, wide widths. Black by No. 96A228. Brown by No. 96A229. Send no money. Pay \$1.49 and postage on arrival. State size.

Women's Dressy Pump

Brown Calf or Patent Leather

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Give Size wanted

This smart pump in sizes 2 1/2 to 8. In black patent leather or brown calf finish—a stunning one-strap model with ornament on strap, imitation shield tip and medalion effectively perforated. Has medium rubber heel. Order patent leather by No. 96A72. Order brown by No. 96A73. Send no money. Pay \$1.98 and postage on arrival.

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Men's Dress Shoes

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Give Size.

Men's French-toe dress shoes or oxfords in mahogany Brown calf-finished leather. Have medium toes perforated, oak soles and rubber heels. Perforated on vamp and eyelet stay. Sensational values. Sizes 6 to 11, wide widths. Order Oxfords by No. 96A658. Order Shoe by No. 96A660. Send no money. Pay \$2.98 and postage on arrival for either style. State size.

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