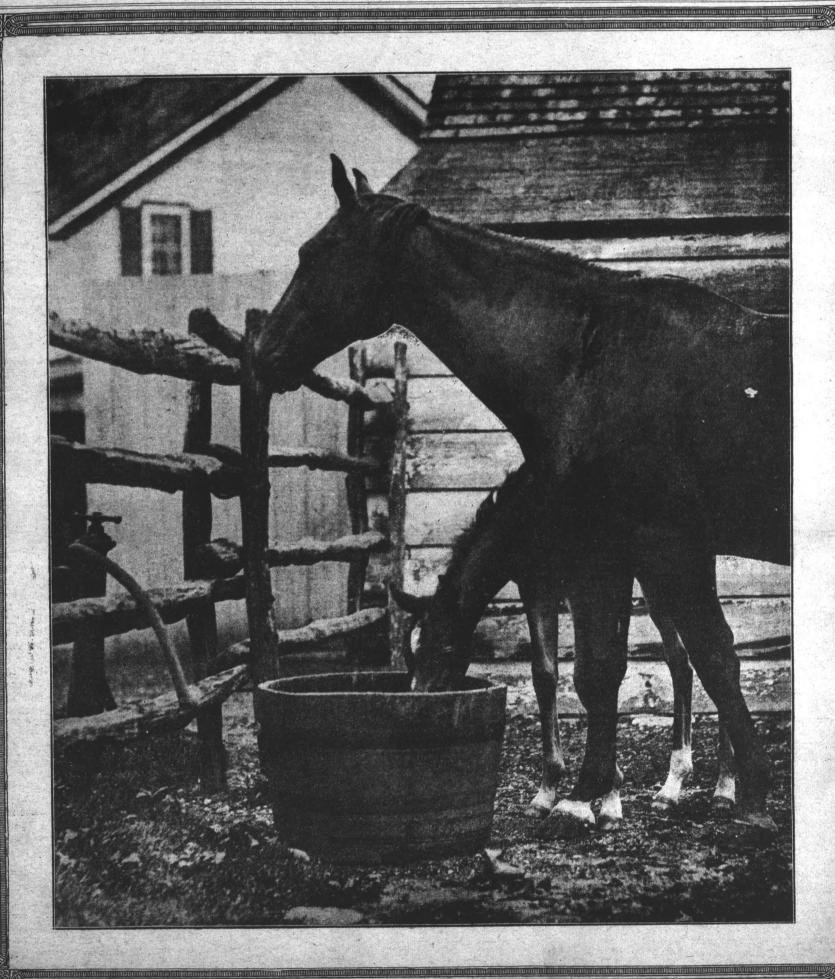


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VOLUME CEXI

NUMBER ONE

DETROIT, JULY 7, 1923 **CURRENT COMMENT**

Laughter cultivates the soil of the

Some milk men cannot let well mourning over the past. enough alone.

A sprinkling of untruth leads almost certainly to a hurricane of lying.

If we jump at conclusions, we are pretty apt to go sneaking back to the starting point.

While practice makes perfect, one can drop a hot potato as gracefully the first time as he can the tenth.

If so many persons were not imbued with the idea of getting in on the ground floor, there would be less room at the top.

The eye doctor learns never to judge by appearances, for while the twenty per cent more potatoes were cross-eyed man may be straight, he never looks that way.

Looking Ahead in Agriculture

S OME important factors which should receive the thoughtful consideration of farmers and others who are interested in the

present and prospective agricultural situation are brought out by A. B. Genung, economist in the department of agriculture.

Ten years hence, this authority points out, our nation will consist of 125,000,000 people. Judging from the present movement and increase of our population we shall have at that date seventy million country dwellers and fully ninety million people who will reside off the farm.

This greatly increased non-agricultural population is certain to bring changes in the supply and demand for farm products. It must be remembered, however, that production does not adjust itself to demand to that nicety which we would like. We can see how much production and consumption are now out of line, with the result that agriculture is now struggling in the trough of the waves. It was riding a crest in 1919. How long it will be before the next crest is reached, no one can definitely say.

In the meantime, however, one of the serious problems which must be worked out during the next five or ten years, according to Mr. Genung, is the widespread debt which was contracted by farmers during 1921. This matter requires straight thinking. It cannot be confounded with the subject of facilities for production and marketing is as important in agriculture as in other lines, it must be remembered debts does not get the individual very

During the next decade, this economist declares, a large amount of new capital must be saved up and reinvested in the farm plant. The repairing of old buildings and the construction of new ones, the rebuilding of half of tile, the replacement of farm machinery and the purchase of millions of tons of fertilizer and lime, and providing of farm power, all of these items will occasion the spending of millions of dollars of capital. The patching, mending, repairing, and using of makeshifts which farmers have patiently done for nearly a decade, cannot continue much longer. It will be seen, therefore, that our credit problem has more than a single angle to it.

There is hope in the situation, however, since the domestic market is lion and a half new consumers every twelve months. The time has come when farmers should look forward and eye on 1930, instead of 1920. Agriculture will recover from its present despondency and will prosper. This day will undoubtedly be hastened if farmers will look ahead instead of

Michigan's Protective Tariff

W E have just re ceived some figures from Washington derstand better why our potato crop of

ridiculously low prices. Shipments season ending May 31, 1923, amounted to 242,061 cars, as compared with 234,ending on the same date in 1922, and for a five-year average from 1919 to 1923 inclusive of only 202,684 cars.

were delivered on an average for th

754 credits. While the wise use of credit five years, and three per cent more than moved marketward in the season our laws. ending in 1922.

While Michigan farmers suffered that borrowing money to pay current heavily this past year from the glutted potato market, they were able to deliver a much larger portion of their crop than were the farmers in the western states. For instance, while the deliveries from these thirteen states were but three per cent more than were made in 1922, the number of cars from Michigan showed an inour fencing, the laying of millions of crease of nearly fifteen per cent over the shipments of the previous season.

The whole matter brings to our attention again the fact that here in Michigan we have our consuming public close at hand which makes railroad tariffs actually a protective wall to our home trade.

Who Are The Law Breakers

W HO are the men violate the liquor laws of our country? According to official

available by the federal government, broadening at the rate of nearly a mil- the large majority of these violators are aliens or those who have been reared under alien influences.

These government figures tell us in Connecticut are of the above classes. In California, they make up eightyfive per cent of the liquor law violateighty per cent, and in Wisconsin, ninety per cent. Figures for other ing purposes are in demand." states are not yet available.

which help us to un- cently come to our shores to establish 1922 went upon the market at such tims of evil-doers. Reliable authorithey had in their possession between ties assert that liquor propagandists from thirteen leading states for the have incited many of these newcomers against the United States and its Con- lion dollars. stitution, and have represented to 064 cars for the corresponding period them that the prohibition laws were not properly passed nor sincerely intended.

> Americans have a real duty to perform become citizens of the United States

V.161 to an appreciation of the sanctity of

That the general sentiment for the enforcement of our liquor laws is growing, is evidenced by the fact that recent wet drive unexpectedly came up against a brick wall in the Wisconsin senate and against a rock in the Illinois legislative assembly, while at the same time nineteen other states were strengthening their prohibition laws.

The Fox Business

R ECENTLY the securities commission of this state questioned the advisaibility of investing in the silver fox busi-

ness. According to press reports, the reason given for this attitude was that prime fox furs could not be produced in the United States, but only in certhat continue to tain sections of Canada.

Not long ago a sale of pelts was held in London, England. Of the 2.375 silver fox pelts offered, approximately figures, just made ninety per cent were from foxes grown in captivity on ranches in the United States and Canada. The top price of \$631.68 was paid for a pelt from a United States ranch-raised fox.

take stock of their business with an that ninety per cent of the violators just been published by the United States Department of Agriculture. It says, "The production of silver foxes. properly managed, has proven a profitors. In Illinois, ninety per cent; in able business. As a fur animal bred New Jersey, sixty per cent; in Utah, in captivity, the silver fox has no rival. Both pelts and the live foxes for breed-

The bulletin further states that sil-It, perhaps, might be said in defense ver foxes are being grown successfully of many of these people who have re- in practically every one of the northern tier of states. Over five hundred their homes, that they, to some de-ranchers are now engaged in the busigree undoubtedly, have been the vic- ness in this country, and last year twelve and fifteen thousand foxes representing an investment of eight mil-

Let us, however, give this caution, that there is no animal in captivity which needs to be handled with greater care than do foxes. The shiftless Be that as it may, the figures given man should deliberately stay away These figures show that actually above tell us most plainly that true from this line. The rancher who succeeds is one who not only informs delivered to the markets last year than in bringing those who have chosen to himself on the general facts of proper feeding, breeding, selecting and providing good surroundings, but who, also, makes it his business to study the behavior of every individual animal in his charge.

HY TAKES A VACATION.

HE good readers who anxiously look forward each week to the letters from our ambitious but somewhat nerve-wracked writer, Mr. Hy Syckle, will be pleased to learn that "Hy" is now traveling through northern Michigan enjoying a two weeks vacation with Sophie.

They are motoring in their famous flivver, rigged with tent, cooking equipment and fishing tackle, and reports come from Sophie that already Hy shows much improvement. For instance, she states that he rises much earlier in the day than when there were potatoes to hoe.

We are a little suspicious about this being any real indication of improvement in his health or disposition, since we know from experience that fishing is always much better in the early morning than later in the day. Hy knows this also. Anyway, he promises to return in a week or two and give us the full benefit of his and Sophie's vacation experiences.

A man's producing years are only twenty-five or thirty at most on the average, and so no time can be wasted, lost, or spent to poor purpose.

Cultivate cheerfulness. Think success; act success; look successful, and be successful.





The Farmer as an Executive

Or How to Treat Help, Providing You Can Get It

HE man who plans work and directs others in the doing of it, is a real executive. To be a successful executive, requires the qualities of leadership.

It is true that we can hire a man's time and strength. These represent about two-thirds of what he has to give. The other third is made up of heart interest and a genuine desire to cooperate. It might be described as Good Will.

The farmer who has several men working for him, will get the best results and have the least expense in labor turnover, if he is able to show his executive leadership by calling forth real interest, and by awakening a real joy of the job on the part of each worker.

The "hired man" who is in earnest and interested, will not be watching constantly for quitting time. He will not slight the tasks he is doing. He will not abuse the machinery he is handling. He will not be dissatisfied and over-exacting if that last thirtythree and one-third per cent of heart interest is engaged.

A few practical ideas on executive engineering which have helped build up fortunes for other business mensome of them agriculturists, will not be amiss.

First of all, the executive should be cheerful, well-poised, thoroughly informed, and enthusiastic himself. If he possesses these qualities, he will command respect, and besides, enthusiasm is contagious.

Second, he will provide good working conditions for his helpers. To require toilsome and heavy work to be done by man-strength which can be better done by machinery, arouses a protest in the worker's mind. Be perfectly ready to explain the responsibility and risks of the employer, as ganization is much more valuable than well as the numerous expenses of ov- an untrained one. erhead, upkeep, and crop disappoint-

By Lester G. Herbert

ments one year with another. Many a satisfied to give a fair wage, and enhelper grumbles and thinks he is not courage efficiency and loyalty by an getting a fair deal because he does opportunity for advancement. Have not understand. Help him to under- the duties of the position clearly unstand. The more intelligent the work- derstood and then require that all er, the better the service he will give. work be well and promptly done. The Third, the wise executive will en- executive who permits carelessness in courage a broader knowledge of bet- the beginning, will likely have to put ter farming methods, of the expert up with it right along. Have a regular



There will be Thousands of Acres of Sweet Clover Hay Cut in Michigan this Year. This Picture Comes to us from Cheboygan County.

handling and testing of seeds, a knowl- time for payments, even if the money possible, to attend gatherings of a

Fourth, in hiring a new helper, be

edge of soils, and a disposition to read has to be borrowed and interest paid. good, farm press literature, and when The employer who pays well and promptly, who gives right working constructive character. A trained or- conditions, and who is agreeable to work for, can always command the cream of the workers available.

Fifth, the far-sighted executive looks ahead and plans for tomorrow; and a week in advance, and a year ahead. He maps out a worthy schedule, and as nearly as possible lives need to be done, and he avoids the expense of idle time by having some- or deteriorate.

thing ready to fill in every crack of

Sixth, the successful executive keeps track of his own financial affairs closely, and in every way tries to beat his own record. To do this, he knows for a certainty what each man can do best, and divides the work with this

Seventh, he never "crabs," or keeps up an irritating fire of criticism. To avoid this, he makes it clear beyond all doubt, what each man is to do, and if necessary, how it is to be done. Any expression of dissatisfaction is straight from the shoulder, and if possible, given when alone with the worker. The criticism is always constructive, and the thought is thrown out, "You can do that right, I know."

Eighth, if the farm executive finds that some one worker is a regular "pudding stick"-or always keeping things stirred up, he discharges him quietly and easily. The same thing happens if the worker shows an absolute disregard of his employer's wishes.

WATCH JESSE GREEN.

O VER in Cass county, Jesse Green has 120 acres devoted to alfalfa. Labor is scarce in his community, the same as in every other agricultural community of the state and country. To simplify his labor problem, Mr. Green is now pasturing fifty-five head of cattle, which he bought at the Chicago stock yards this spring, on some of this good alfalfa. Mr. Green holds that he is getting splendid gains on these steers.

It is estimated that the alfalfa would yield an average of three tons per acre. Green attributes his success with alfalfa on his land, which is mostly of a sandy order, to the liberal applications of finely ground limestone and to the use of northern grown

Clean, oil and paint machinery before the close of the season's work, so up to it. He has a list of jobs which that during the months when the machinery is less used, it will not rust

A Promising Walnut Tree

National Authorities Agree that Nuts from this Michigan Tree Have Unusual Qualities

ed and planted to corn. In one never seen any just like those part of the field was a little cluster, of bushes which were cut down and re- idea that they might be a cross bemoved out of the way and the ground planted with the rest of the field.

When the corn was five or six inches high, and I was cultivating the ground at the spot where the bushes had grown, and intently watching the hills I saw what I knew at a glance to be a tiny walnut sprout.

the sprout had sprung from the stub of a little walnut tree which I had mown down with the other bushes, not observing at the time what it was. This little sprout was making a struggle for life, pushing its leaves upward the sunlight I staked it to prevent

down toward me from the weight of I was lost in wonder at the possibilimind: "Are there not equally great a new variety.-H. Adams. things in that tree of today?"

During the growth of the tree, we didn't notice anything unusual about and would be pleased to have him it until it came to the age of bearing. write us.-Editors).

N the spring of 1869, I cleared up a The surprise came then. Although I piece of new ground which I plow- had seen peaked walnuts before, I had

Their peculiar form suggested the tween the walnut and the butternut. With this idea in mind, I sent some specimens to the M. A. C. with a request that the men of science tell me whether they were a high-bred or not. There was no response from Lansing, of corn in order to prevent accidents, only that they were of a delicious flat vor, which was encouraging as far as it went. But they were sent to the On stopping to examine it, I found headquarters of the N. N. G. A., with offices on Long Island, New York.

I received a note from the secretary of the association requesting a few formed that a great contest was in row with the seeds, due to the fact front or outside wheels follow the its being run over and to give it a fered for the specimens of different kinds of nuts which they thought best In 1920 I stood by the side of a lofty for propagating purposes. The time tree with its lower limbs bending had passed for taking in any more, but they said they would consider mine its fruits. Memory took me back, and as being in the contest and give them a chance with the rest. The contest ties that were wrapped up in that tiny came to an end, and a product of my sprout of years ago. So it was very little walnut sprout had won and was

(We have lost Mr. Adams' address,

Takes Three Rows at Once

Finds this Equipment Saves Time in Growing Beans By P. P. Pope

N securing our bean growing equip labor over either the two-row or onement several years ago we planned is a regular fertilizer grain drill with eleven hoes. This permits the sowing of three rows twenty-eight inches apart and the use of the drill wheel for a marker, driving so that it returns in its own track.

We often sow fertilizer, mostly acid the fertilizer is shut off from the hoes the bar to suit conditions. that drill the seeds and allowed to run Covering the Ground Rapidly.

We had considerable difficulty in these same three rows at one sweep. ideal way to cultivate beans, if the would mean a saving of half the man tervals.

We finally located the tool that lookto have working tools supplement ed right to us in a beet field, cultivateach other. The drill that we chose ing four rows at a time. We learned that this cultivator could be equipped with a double castor wheel behind which would straddle the middle bean row, and that the shovels could be arranged on the bar to suit one's con-

We ordered one thus equipped, and more nuts, and also a history of the phosphate, with the beans, and as it is have used it for several years. Two tree, which were sent. I was then in- not advisable to sow it directly in the good horses will handle it nicely. The progress in which prizes had been of- that the chemical action which takes tracks of the drill wheels and the rear place when the fertilizer comes in con-double-castor wheel straddles the midtact with the moist earth is apt to dle row. A variety of shovels may be injure the very tender bean sprouts, used and spaced few or many along

This outfit works to perfection if through all the others, thus spreading used often, and the surface of the soil it broadcast except in the bean rows, is fairly even. It does not work so well over dead furrows, back furrows, or where the weeds are allowed to natural that this question came to my chosen as a basis on which to build finding a cultivator that could handle grow big and get a strong root hold. It is much better for the beans, how-It occurred to us that this would be an ever, to have the soil around them stirred often and comparatively shalproper implement could be found, and low, than a deep working at longer in-



BUSINESS OUTLOOK STILL PROM-ISING.

THE relative purchasing power of farm products based on farm prices changed only slightly during May. Live stock products continued unchanged except wool, which made gains during the month.

It is the assertion of the department of agricultural economists that the urban industrial boom has passed its peak. Wholesale prices are tending downward. Nevertheless business is still heavy and the outlook for fall is promiisng.

DATES SET FOR POTATO EX-CHANGE MEETING.

THE fifth annual meeting of the Michigan Potato Growers' Exchange will be held in Cadillac, Michigan, August 15-16. Delegates and members from 130 local potato shipping organizations will attend this convention. Arrangements are being made to secure several speakers never heard before in the state.

WHEAT ACREAGE INCREASED OVER LAST YEAR.

THE acreage of wheat throughout the northern hemisphere is slightly larger than the acreage in the same countries last year, according to O. E. Stine, in charge of the statistical research division of the department of agriculture. There is a slight decrease in the United States and Canada, which is more than made up by increased acreage in Europe. Wheat already cut in India and other eastern hemisphere countries is running above last year's crop in yield.

DAIRYMEN FACE ANOTHER COM-PETITOR.

NOTHER menace to the dairy in-A NOTHER menace to the horizon. A manufacturer of a nut oil combination is trying to dodge the oleo or butter substitutes tax. He makes his product out of cocoanut oil and peanut oil. He has a special process in which he introduces no milk or cream. The oils are churned in cold water, by which process they are emulsified and solidified. Butter color is added, giving the product the appearance of butter, but while it has an agreeable flavor it is easily detected from real butter. It is put up in triangular cartons, and the trade name has no relation to butter or other dairy products. It sells at twenty-two to thirty cents per pound and is used largely by bakers in place of butter.

This product has been put out without the revenue stamps or payment of the oleo tax or any surtax. The Internal Revenue Bureau has taken legal action against this concern.

CREAMERY BUTTER SHORT.

THERE is a shortage of creamery 17,978,000 pounds the five-year average.

TAKING GREATER INTEREST IN CERTIFIED POTATO SEED.

E NROLLMENT for the Michigan seed inspection and certification has exceeded all expectations. The work of inspection will be carried on as heretofore by trained men from the Michigan Agricultural College.

Kris P. Bemis, county agent in Mason county, represented the Michigan Potato Growers' Exchange on the recent seed potato growers' tour of Long Island, which is the greatest seed potato market in the country, using 500,-000 bushels of seed annually. The purpose of this tour was to form business connections with the growers and dealers in seed potatoes.

GREEN PEA CROP IS LARGE.

FORECASTS of production of green peas for canning, made by the department of agriculture, indicates a crop of 181,370 tons, or seventeen per cent above the crop of last year for this purpose. Nearly one-half of the canning crop of green peas is produced in Wisconsin, where the crop this year is forecast at 85,020 tons, slightly below lest year's product. ly below last year's product.

ANNOUNCE ANOTHER BOND ISSUE.

NEW issue of \$45,000,000 of Federal Land Bank four and one-half per cent bonds has been announced. While the bond market is dull at this time these bonds are attractive, and it

The last preveding sale of farm loan bonds was April 16, when \$75,000,000 months in advance. were offered. Some who have given small amount to meet the credit needs of the farmers.

EGG-LAYING CONTEST.

THE extremely hot weather during the week ending June 26 had no effect on production other than to increase it from 4,085 eggs for the previous week to 4,239 eggs. With the beginning of hot weather, moist mash and an increased variety of green feed is being provided the birds.

The Barred Rocks show an increase of 6.1 per cent; the Anconas, ix per cent; Rhode Island Reds, six per cent; Leghorns, one per cent, and the White Wyandottes a very slight increase. The total production for the leading pens now stands as follows:

H.

It is said that they give a higher re- milk on farms, number of heifers, and turn than municipal or other tax-free much other detailed information which

securities have given at any time, will show the present production and, prospective flow of milk for several

W. F. Callender, statistician in the subject considerable thought say charge of this work, says that numerthat this present issue is a rather ous requests have been received from milk producers' associations and from individual dairymen for more accurate information concerning the trend of the dairy industry, especially milk production, which would enable the dairymen to judge as to whether it is advisable to increase or decrease his herd in view of future prospects.

SIGNS AMENDMENT TO PACKER ACT.

THE amendment to the packer and stockyards act, providing for the bonding of individuars and firms engaged in the live stock commission business has been signed by the secretary of agriculture. The bonds required under this act secure to the owner or consignor of live stock "faithful and prompt accounting for and payment of the proceeds of sales."

The revised regulations applying to commission men make obligatory an immediate written accounting of each sale, showing the number, weight, and price of each kind of animal sold, the name of the purchaser, the date of the sale, and such other information as may complete the account.

TO STOP UNFOUNDED RUMORS..

HE new regulations governing future trading grain markets have been signed by Secretary Wallace for promulgation by the department of agriculture. It was not the intention of the framers of the law to prevent future trading, hedging or legitimate speculation, says the secretary. Its purpose is to prevent the dissemination of misleading rumors or information which may affect the price of grain; to prevent manipulation of prices or the running of corners; to acquire information concerning operations on future trading markets which will make it possible to make a systematic study of the manner in which grain prices are registered on these markets.

not be used except in a limited way for lack of projectors. TRYING TO BEAR THE EGG MAR-

KET.

ernment should spend thousands of

dollars for motion pictures that can-

TEMS have recently appeared in the daily papers indicating that the cold age facilities are over-filled with a larger supply of eggs than was ever known in this country.

can representation at the annual as- any such conclusions. The cold storage stock of eggs is above the aver-While an American originated the In- age, but below last year's figures. The ternational Institute of Agriculture, it government report shows a five-year was pointed out that the United States average of 6,328,000 cases in storage has very meager voting influence in June 1. On June 1, 1922, there were the organization. We have only five 8,056,000 cases in storage, and on June votes whereas Great Britain has twen- 1, 1923, a total of 7,884,000 cases of

SEEKS MORE RELIABLE INFOR-MATION FOR DAIRYMEN.

THE American Farm Bureau Federation has asked the Federal Definition is intended to develop a system of national this conference.

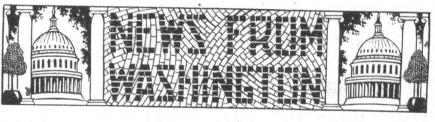
WILL STUDY CORN, HOGS AND WHEAT.

A GROUP of agricultural economists and statisticians will be called into conference in Washington by Secretary of Agriculture Wallace on July 11-12, to study the corn-hog and wheat There was much criticism by the Information obtained at the depart-situation. They will have available speakers because of the lack of Ameriment of agriculture does not bear out the results of the nation-wide pig count just completed by the department of agriculture, and also the government crop estimate of corn acreage and production to be released July 9. With these statistics as a basis for forecasts of production and a resume of the prospective domestic and foreign demand for corn and hogs, it is expected that the committee will announce information which will be helpful to farmers in planning their program for next fall and winter. The wheat situation will be considered at

Learn to think all the way around

GET YOUR INDEX

OLUME one-hundred-sixty of the Michigan Farmer was completed with the issue of June 30. We are now printing a fourpage index to that volume. This index is being run on the same size page as that on which the paper is published, so it can be easily bound into the regular volume. Any reader of the Michigan Farmer who desires a copy of this index for any purpose whatever may secure the same by making a request of Miss Ross, of the Editorial Department, Michigan Farmer, Detroit, Mich. This index covers the period from January 1 to June 30, 1923.



WANT LARGER AMERICAN REP-RESENTATION.

S ECRETARY of Agriculture Wallace recently invited a number of persons interested in the International Institute of Agriculture to a conference at the department of agriculture for the purpose of devising ways and means of promoting the usefulness of the Institute. The call was made at storage warehouses and all other storthe suggestion of Arthur W. Gilbert, commissioner of agriculture of Massachusetts, who presided at the meeting.

semblies of the Institute in Rome. ty-three and the British Empire thir- eggs in storage. ty-five votes.

WOULD PROVIDE COUNTY AGENTS WITH PROJECTORS.

butter in storage, 9,907,000 pounds partment of Agriculture to supply the tion-wide monthly reports on the pro- and through each job you tackle. in storage June 1, 1923, compared with county agents projectors for motion 13,302,000 pounds June 1, 1922, and pictures. The government has many thosuand feet of films, but, according to Samuel R. Guard, director of information of the Farm Bureau Federation, only about 500 of the 2,500 county agents in this country have facilities for projecting the films.

It is the contention of the farm bu-Potato Growers' Exchange potato reau that the usefulness of these films would be greatly enhanced if the department of agriculture would purchase projectors and loan them to the county agents. It is thought to be somewhat inconsistent that the gov-

Hardigan Promises Well

This New Alfalfa Now Has Real Friends in Central Michigan

UCH interest is being exhibited throughout the state in the new variety is one developed by Prof. F. A. Spragg, M. A. C. Plant Breeder, and it Over 300 acres should come into production this season,

The primary object of this new variety is not only to furnish long-enduring alfalfa stands of high forage producing ability, but to also give Michigan an alfalfa that will set seed abundantly under conditions charac teristic of the Wolverine state.

A number of Midland county farmers were acquainted with the possibil-

In many cases the Hardigan was subjected to extreme adverse condi-Hardigan alfalfa. The Hardigan tions. Ice sheets and flood waters covered it and late frosts tried to take their toll. The exceptional hardiness has been distributed over Michigan. of this variety was convincingly demonstrated by the fact that for all these adverse conditions the Midland fields have come through. Even where tops have frozen off new shoots have come out from the characteristic low-set crown of the Hardigan and have kept up the stand.

Seed producing abilities of Hardigan alfalfa on a large-field scale are still to be demonstrated, but if the variety lives up to the promise of its early



This Five Acres of Hardigan Alfalfa on the Farm of C. H. Garrett, of Freeland, is Very Promising.

ities of Hardigan alfalfa through their trials and its very profuse blossoming county agent, Mr. I. B. McMurtry, and acres are being cultivated for seed production in this one county and a survey of these fields finds the Hardigan promising excellent results.

Mr. C. H. Garrett, of Freeland, has a beautiful five-acre stand seeded in twenty-eight-inch rows on a fertile clay loam soil. J. H. Vincent, of Freeland, and Emil Jacobs, of Merrill, also have exceptional fields. In every case the growers have kept their fields free of weeds and should have available next fall seed of highest purity.

habits, there are several Midland made their start last year. Over forty growers as well as those in other sections of Michigan, who will have added an excellent source of income to their farming business through their Hardigan seed production project. In any case the Michigan Agricultural College has made another contribution to Michigan agriculture which, because of its superior hardiness and forage producing ability alone can take its stand with Rosen rye, Wolverine oats, Robust beans and other varieties already firmly established in the esteem of Michigan farmers.-Rather.

Do You Agree with Me

On How I Would Improve Our Farming? By Lisle Berry

To the writer, it seems that alfalfa, tatoes will frequently leave the soys corn and live stock constitute the untouched.

shortest route to economic independence for Michigan farmers.

Alfalfa and corn will produce fat cattle and hogs that will top the market anywhere, and live stock and alfalfa will maintain the fertility of our soils. You do not need to be told that barnyard manure and alfalfa sod will produce bumper crops.

Live stock also furnish a profitable market for our cull potatoes. Geographical local and high western freight rates combine to place the Michigan live stock producer in a peculiarly strategic position.

Sweet clover is another legume that will assist many a farmer to increase his income by furnishing abundant cheap summer feed for dairy cows. As a pasture crop, it has no equal.

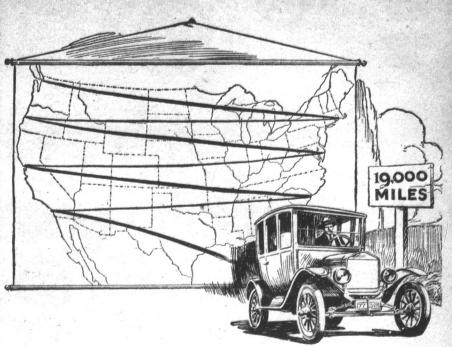
The soy-bean is a new legume crop that promises to become a very important and highly profitable crop. As a source of high protein feed, a soil builder, or a short-season hay crop, it seems to have wonderful possibilities. It will thrive on a comparatively poor soil, and will withstand drought and full stature of development, have we frost better than corn or potatoes. A reckoned at all on that most versatile frost that destroys corn, beans and po-

. Some of the earlier varieties will mature seed anywhere that medium early yellow dent corn will mature. The writer has a strain of "Ogemaw" soys that have produced fully-matured seed three times in succession here in Cheboygan county.

Small fruits, onions, and other truck crops may be produced successfully and profitably in many sections in Michigan. Michigan's already large and rapidly increasing industrial population is the Michigan farmer's golden opportunity. Let's study our markets, and measure up to our opportunities in providing "Michigan food for Michigan folks."

When one fellow says, "You scratch my back and I'll scratch yours, we'll let the public take care of itself," that's politics. But when he says, "I won't scratch your back unless it does the public some good," that's statesmanship.

When we disparagingly say that agriculture has practically reached its helper; electricity?



Ford Engine No. 4913404

Will your Ford engine make as fine a record?

FORD engine No. 4913404 is to be found in a Ford sedan sold in Great Neck, N. Y.

After 19,000 miles of driving the owner wrote:

"On delivery of this car I drained the crank-case of the existing oil and placed Gargoyle Mobiloil 'E' therein.

"My car has run over 19,000 miles and the engine has never been touched, the head has never been off. At the end of the above stated mileage I had new speed bands installed. The old ones were worn down to nothing, but in good condition and had never chattered."

Ford engine No. 4913404 has been given every possible care. The owner saw that the old oil was drained off at proper intervals. Nothing but Gargoyle Mobiloil "E" was ever put into the crank-case. A Ford engine, like any other engine, pays handsome dividends to the owner who gives it fair treatment.

Gargoyle Mobiloil "E" today is used the world over by Ford owners who want to approach or even better the record made by the owner of Ford engine No. 4913404. And every Ford owner who uses Gargoyle Mobiloil "E" knows from experience that it does lessen carbon deposit, does reduce over-heating, does reduce repair bills, oil consumption and gasoline consumption.

Why experiment? There is no oil which has as thorough or wide-spread endorsements for the Ford engine as Gargoyle Mobiloil "E."

IN BUYING Gargoyle Mobiloil from your dealer, it is safest to purchase in original packages. Look for the red Gargoyle on the container.

The Vacuum Oil Company's Chart specifies the grade of Gargoyle Mobiloil for every make and model of car. Gargoyle Mobiloil "E" is the correct grade for Fords. If you drive another make of car, send for our booklet, "Correct Lubrication."

Lractor Lubrication

The correct engine lubricant for the FORDSON TRACTOR is Gargoyle Mobiloil "BB" in summer and Gar-goyle Mobiloil "A" in winter. The correct oil for all other tractors is specified in our Chart. Ask for it at your dealer's.

Address our nearest branch:

Indianapolis Milwaukee Buffalo

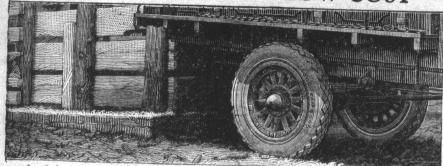
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VACUUM OIL COMPANY



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Actual photograph of Goodyear Cord Truck Tire in farm Hauling for George Ohrt, Bennington, Nebraska

"My truck on Goodyear Cord Truck Tires cuts threshing labor in half, makes as many as six long trips a day with supplies, and carries my livestock to market without shrinkage." -GEORGE OHRT, Bennington, Nebr.

HE buoyant activity of Goodyear Cord Tires is one of their best qualities. They get over the roads, in any weather, at sustained speed. They lengthen the hauling radius, make more trips, and carry the loads safely, dependably, easily. Their earning power and long wearing quality result in better performance at low tire cost.

The new beveled All-Weather Tread Cord Tire is made in all sizes for trucks and passenger cars

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Household
Total value\$2.25

All for \$1.30

OFFER No. 578. MICHIGAN FARMER Capper's Weekly
Breeder's Gazette

All for \$1.75

OFFER No. 579. Household
Good Stories
Total value ...\$1.75

All for \$1.30

OFFER No. 582. MICHIGAN FARMER Fruit Belt Power Farming Modern Poultry Breeder Total value\$3.00

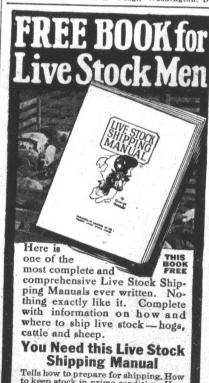
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Enclosed find \$ for which send me the papers named in Club No. Name

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MORTGAGES.

If A. has a farm, and B., or his father, has a life lease of it, can C., who holds a mortgage on it, take the farm? And is a mortgage good where there is a life lease on the farm?—S. B.

The mortgage binds the right of the person giving the mortgage and no other.-Rood.

FIXTURES.

I am renting a farm. If I put up a poultry wire fence on the farm, can I take the fence down and take it with me when I move?—H. H. W.

Such a fence would be a fixture which the tenant would have no right to remove at any time before delivering up possession.-Rood.

DRAINS ALONG HIGHWAY.

If they cut down in front of one's If they cut down in front of one's house, and change the water course, who has to fix the driveways? Who has to put the culvert in—the state or the person owning the farm? Who has to keep up the culvert after it is put in? Have I the right to fill up the ditch in front of the driveway? If there is a rail fence along the road, have they any right to use the rails?—M. C.

Compiled Laws 1915, Section 4511, requires the highway commissioner to provide a passage across ditches along the highway at each field or farm entrance, the original costs being charged to the costs of the ditch, but subsequent costs of maintenance must be borne by the persons owning the adjoining premises. Any person taking the rails is liable to the owner of the farm thereof.—Rood.

RIGHT OF TENANT LEAVING.

A. rented a farm from B. and lived on the farm for three years. Now B. has moved back on the farm. A. has has moved back on the farm. A. has threshed his wheat. A. wishes to sell his two-thirds share of the straw, but has no time to haul it away just now. Can B. stop him from going on the field to get it, or has A. the right-of way?—A. C. K.

It is the duty of the tenant at the termination of the lease to remove his property from the premises; and if he fails to do so the owner of the land has a right to put it off the premises the straw should be used upon the night quarters.-R. H. Pettit.

premises the agreement that the tenant should have two-thirds of the crop would entitle him to haul away his share of the straw. - Rood.

CEMENT FLOOR BEST.

I would like your advice on the best kind of a floor for a henhouse. Have house which is built of modern design, with lots of light. Would cement be all right if built up high enough to be dry?—R K dry?-R. K.

A cement floor is the best for a poultry house, as it is permanent and keeps out rats and weasels. Last year we built a cement floor which has proven dry and satisfactory. First the wall was constructed and eight-inch bolts were set in the wall to which the sills of the building were later bolted down.

Then the fill was made with field stone to a depth of about eighteen inches. This was leveled off with sand and tamped down. Then a two-inch layer of cement was placed on the sand. Over this layer we placed strips of roofing paper with the seams sealed to keep moisture from working up. On top we placed the finishing layer of two inches of cement. The job might have cost less if we had left out the roofing paper and used less cement.

I have tried wooden floors in smaller houses, but they are soon in need of repairs. I believe cement is the only right material for a laying-house that is permanently located.

CONTROLLING SQUASH BUGS.

How can I control squash bugs?—

We have been most successful in trapping them than in destroying them by any other method.

Place a few pieces of board on the ground in the vicinity of the vines and then lift these boards and examine them carefully every morning before it warms up at all. The bugs like to hide away under the boards during the time of the year when the weather is cool.

They can be removed from these pieces of boards and dumped into a bucket containing water with a little at the tenant's risk; or he probably kerosene on top. The main difficulty would be allowed to charge storage of applying this method is that the for its keep. He would not have a examination must be made early in right to convert it to his own use; the morning before it warms up and in the absence of stipulation that enough for the bugs to leave their

FIRES CAUSED BIG LOSS.

tions in the rural Upper Peninsula, resulting in serious losses. One large operator lost some 7,500 cords of At one time one local railroad had nine locomotives out with fire-fighting equipment for fires along its right-ofway.

The late legislature made a considerable increase of the appropriation for the fire-fighting force of the State Department of Conservation and the commissioner recently informed the writer that a total of seventy-eight fire-towers had been erected in northern Michigan. All this is commendable, but the area to be covered is so possible properly to cover the territory affected by the fire hazard.

It was not until soaking rains arrived that the situation came under con-THE drought at the end of May pro- trol, without which exceedingly serduced unusually bad fire condi- ious conditions would have developed.

ADDS FOUR STATE PARKS.

THERE will be five state parks in the Upper Peninsula when the project of taking over the Bishop's Hill location between Marquette and Negaunee is completed. These include the St. Ignace State Park on the lake shore at the Straits of Mackinac; the Brimley State Park on the Lake Superior shore in the eastern portion of the peninsula; the Baraga State Park on Keweenaw Bay Lake Superior; Fort Wilkins, Copper Harbor, Lake Superior, and Bishop's Hill. All Upper large that it seems to be utterly im- Peninsula state parks give ready access to Lake Michigan or Lake Superior.

Orchard and Garden

THE following comparative table forecasting the crop in states whose apples come in competition with Michigan's is of interest at this time: 6,000,000 1,216,000 1,100,000 881,000 608,000 277,000 1,620,000 Michigan 1,832,000
Wisconsin 126,000
Minnesota 47,000
Iowa 97,000
Utah 188,000
Idaho 1,307,000
Washington 7,997,000 1,699,000 101,000 147,000 198,000 975,000 Washington7,997,000 Oregon1,619,000 7.104.000

JUNE DROP IS HEAVY.

R EPORTS from different sections of the fruit growing sections of Michigan, indicate in a general way an unusually heavy June drop of apples and cherries. In many instances, this drop is estimated at as high as fifty per cent. This does not necessarily mean a fruit failure. The trees will have fewer fruits to mature, and often this is a distinct advantage in perfecting fruit of high quality. Judging from reports, orchards following clean cultural practices have a smaller drop than those retained in sod.

CANNERS SEEKING MORE ASPAR-AGUS.

C ANNERS have suddenly developed faith in green asparagus. In years past, practically the only asparagus preserved in cans has been the bleached stems, produced in the west. Now the Paw Paw cannery, which packed five thousand cases from twenty-six acres, states that every case was sold as soon as packed. A Grand Rapids concern reports a similar experience. The Michigan Canners' Association is about, therefore, to make an investigation of the asparagus industry looking toward a wider utilization of this product in their canning work.

WANT SHIPPING POINT CERTIFI-CATION.

M ICHIGAN fruit and vegetable growers are asking the department of agriculture for federal inspection of fruits and vegetables at shippoint points. Twenty-one other states are now enjoying this service. Since congress has provided that certificates issued by a federal inspector shall be prima facie evidence in all courts of the United States as to the truth of the facts stated regarding a shipment of fruits or vegetables, these certificates become highly important commercial documents in the hands of any organization making f. o. b. sales.

EFFECTIVE POISON BAIT.

worms which seem to be working unfruits, vegetables and other crops.

For this the poison bran mash is recommended.

Entomologists recommend an inexpensive poison bait, either broadcastfruits, sprinkled about the base of each plant. The following formula will provide enough material for five acres: Bran, twenty pounds: Paris green, one pound; cheap syrup, two quarts; three lemons, and three and one-half gallons are mixed dry. The juice of the lem- berries and grapes.

OUR PROSPECTIVE APPLE CROP. ons is squeezed into the water and the peel and pulp chopped to fine bits and added to the water. The syrup is then dissolved in the water and fruit mixture and the liquid stirred into the bran thoroughly in order to dampen it evenly. If a smaller quantity is wanted, the amounts of the different ingredients may be reduced proportionately. It is recommended that the poison bait be applied in the evening, because the cutworms are night-feeders and the bait will thus be in a fresher condition than if applied earlier in the day.

CONTROLLING INSECT PESTS OF ROSES.

THERE is scarcely a garden that is not beautified by roses in greater or less abundance and the insect pests are ever present to weaken the plants and to destroy the foliage and flowers. Fortunately, however, a little care and the proper use of simple insecticides will eliminate most of these troubles.

The common pests are the leaf-eating insects, such as the slug and the sucking insects, including aphids or plant lice, leaf hoppers, and scale. White grubs occasionally attack plantings in new beds which were in sod the previous year.

The rose slug is readily controlled by arsenate of lead at the rate of one half ounce of powder, or about eight level teaspoonsful (twice as much if paste form is used) to a gallon of water, and if aphids are present add a teaspoonful of forty per cent nicotine sulphate. If slugs only are present, the arsenate of lead may be applied as a powder, either pure or mixed with equal parts of air-slaked lime or dry flour as a carrier. If aphids and young leaf-hoppers only are present, spray with a forty per cent nicotine sulphate, one teaspoonful to a gallon of water in which is dissolved an ounce of soap. Applications should be thorough, a forcible misty spray applied and care should be taken to reach the undersides of the leaves.

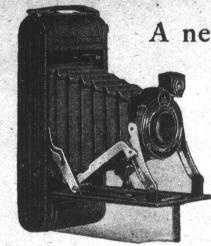
Scale insects, when present, occur on the canes and give them a scurfy appearance. During the winter months the heavily infested branches should be cut out and burned and the remaining canes thoroughly sprayed just before the buds open in spring, with lime-sulphur one gallon of liquid concentrate to eight of water.

The canning factory at Edmore started canning peas June 25. There is approximately one hundred acres of early and late peas in that community.

The first Kent county farmer to bring cherries to the Grand Rapids market this year was J. P. Munson, treasurer of the Michigan State Horticultural Society, who sold Early Richmonds at \$2@2.50 per case.

C OMPLAINTS are being received established a record last summer when Over in Berrien county, G. P. Pullen regarding the depredations of cut- he disposed of 1,000 bushels of peaches in a single day at the roadside to usual havoc this season with small motorists and truckers. E. W. Dunning, a neighbor, got rid of a 13,000 bushel peach crop in the same man-

The outlook for fruit in Ottawa couned in the field or, in the case of small ty is excellent. The only failure of account seems to be the strawberry plots located on high land. Winter apples promise a heavy crop, while early apples will prove moderately heavy. Peaches will also yield moderately. Showers are needed and of water. The bran and Paris green would result in a heavy output of rasp-



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Many pictures that you will make need the date and title to complete their usefulness-photographs of crops and livestock, for example. By means of the autographic attachment, found on all Kodaks, you can write the date and title on the film at the time of exposure and the picture becomes a complete, authentic record.

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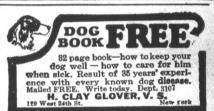
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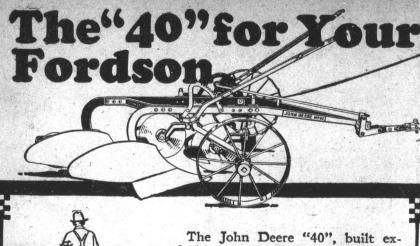


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Ants, Roaches, Fleas, Chicken mites and lice, Mosquitoes, Bedbugs, Potato bugs and Worms. Refill 15c loaded metal guns from packages. 30c, 60c, and \$1.20; At Grocers and Druggists.



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The "40" has

GENUINE JOHN DEERE bottoms, famous for good work, scouring and long wear. A type for every soil. Strong, close-fitting quick detachable shares. Strong, close-fitti detachable shares.

BEAMS GUARANTEED not to bend or break. Frame connections hot riveted—no "give" anywhere.

SIMPLE, STRONG and positive power lift.

LEVER CONTROL of depth and leveling from the tractor. You don't have to go behind the "40" to ad-just it.

clusively for the Fordson, co-operates with it in the field with the unusually good plowing that has made John Deere plows famous and with unusually light draft.

The "40" is the plow with the selfadjusting hitch and rolling landside, the great draft reducing combination possessed by no other plow for the

The plow always operates in the true line of draft automatically, because the hitch adjusts itself correctly when depth is changed. That means lighter draft—less fuel and less tractor wear-and better work.

Rolling landside rolls rear weight just as front wheels roll front weight. Eliminates all dragging friction. A great draft-reducing feature.

Get acquainted with these and other great features of the "40". See it on display in your town. Find out for yourself that it is the plow your Fordson needs.

Free folder-write today for your copy. Address John Deere, Moline, Illinois; ask for Folder FC-422.

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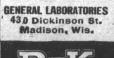
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the hair, and you can work the horse.
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O conserve space, and to give strands are this little story.

A Good End-post.

The majority of our correspondents

Caring for the Grain

NE of our good readers is anxious to get suggestions on how best to get the grain from the thresher to the granary. We know that many little ideas have been worked out by our readers to economize in this respect. Let us have your suggestions.

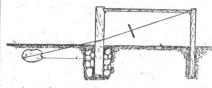
Just describe your idea in a letter or on a post card, and mail to me, The Handy Man, Michigan Farmer, Detroit, on or before July 11. To each of the writers of the five best letters. we will send a high-class safety razor with six blades.

inches to two feet in diameter and from eight to twelve feet in length.

These posts are creosoted by some of the correspondents. A few treat the entire lower end. Others apply creosote to that portion of the post coming at the surface of the ground, where decay is usually most rapid. Charing was also mentioned as a means of lengthening the life of the member.

Nailing or bolting cross pieces to the post to increase anchorage is quite the universal practice. Two cross pieces are generally used, one near the surface of the ground on the side from which the pull comes, and the other at the bottom on the opposite generally recommended for the cross station in the lake states. pieces.

The hole or trench must be deep



post and over the cross pieces. The size of the stone varies from two to at first, beheld the egg rather suspisix inches in diameter. They must be clously, but finally did her duty and firmly tamped to prevent the posts now two lively goslings reward her working loose in the hole. A few writ- for her trouble. ers recommend cement or dirt for the

The Triangle Principle.

post itself forms one side of the tri- demonstrated. angle. Another side consists of a brace, and the third is two or three post which is being anchored.

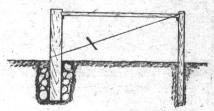
extends from the anchor post to a ber 4-7. second post in the line of the fence. It may run horizontally, as shown in the ground on the brace-post.

Wiring is done as illustrated. Two on July 31.

usually employed, but the readers of this page the ben- where a heavy strain will be placed fit of the many suggestions upon the post; or where there is a made in our last contest on how best possibility of the wires rusting, three to secure end-posts, I am endeavoring wires are used. After these wires are to bring together the various ideas in placed, a stick is inserted between the wires and they are twisted until the proper tension is secured.

A few eliminate the wood brace by prefer a large cedar post for this pur- guying the top of the anchor-post to a pose. A few, however, mention osage heavy stone buried a few feet distant orange, oak, Catalpa and some other on the opposite side of the post from varieties. The sizes range from eight the direction of the pull. Combinations of the two ideas are also employed as illustrated in one of the

Breaking away from these established ideas, one farmer cuts a saw-log twelve feet long and buries over half of it in the ground. No braces are used. Another correspondent digs a trench sixteen inches wide, four and one-half feet deep, and five feet long,



in line with the fence. He has sheet metal forms which he places over the far end of this trench. He then inserts a reinforced concrete brace from the end of the trench in the direction from which the pull comes to a hole in the form. The cement is then poured, making a solid block of the post and brace. Reinforcing is used to thoroughly anchor the post to the block of cement in the trench.

The prize winners in this week's contest are as follows: Allen E. Eaton, of Eaten Co.; Chas. Johnson, Gratiot Co.; Wm. J. Austin, Shiawassee Co.; Wesley Hile, Ionia Co., and Roy B. Cline, Branch Co.

FOR THE BUSY FARMER.

REPRESENTATIVE of the department of agriculture has been side. One farmer inserts an iron rod looking over the ground in Michigan through a hole bored near the bottom and interviewing men interested in the end of the post. Two-by-sixes were establishment of a forestry experiment

Last winter, Wexford county farmenough to take the portion of the post ers were very much indisposed regardto be buried and large enough to ad- ing the potato crop. However, the mit the cross pieces. Stone is most plantings this year will approximate frequently used for filling around the those of normal years. Rainfalls have placed ground in good condition to receive the tubers.

> Fishermen should take notice. A goose belonging to Albert Weston, of Dellevue, recently laid a fourteenounce egg. This monstrous product was turned over to Mother Hen who,

William F. Johnson, county agent of Wexford county, is pulling off a poultry tour this week. Culling, breeding ployed in anchoring these ends. The and feeding will be discussed and

Ottawa poultrymen have decided to strands of No. 9 soft wire running cooperate with automobile dealers of from the end of the brace back to the their district this coming winter in staging a combined automobile and In the majority of cases, the brace poultry show. The date set is Decem-

J. A. Hannah, secretary of the West illustration, or diagonally from the top Michigan Poultry Association, and a of the end-post to a point near the graduate of the M. A. C., joins the poultry extension staff of the college

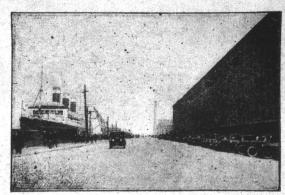
WORLD EVENTS IN PICTURES



Beaumont, Texas, enjoys a rainfall of twelve and one-half inches, the heaviest, for past twenty-five years.



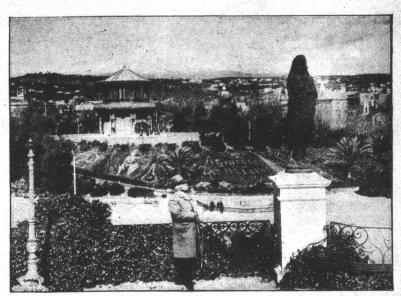
An American ear specialist goes abroad to treat son of Spanish king for deafness.



The great Leviathan about to leave the Boston docks with a large party of newspaper men and shipping experts aboard.



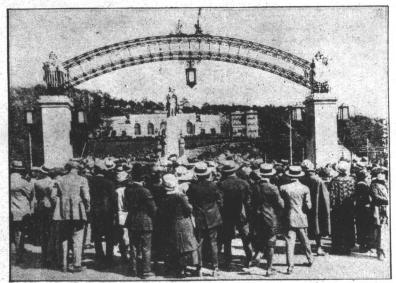
More than ten thousand persons walked or drove to Whitcomb's Summit to attend the unveiling of the Elks' memorial as a tribute to those who gave their lives in the World War.



In the distance is Mt. Aetna, from which lava streams are slowly creeping upon the villages in the foreground. Already 50,000 refugees are seeking homes in Catania and elsewhere.



Seven surviving members of the class of seventy-three, Elmira, College, N. Y., hold reunion.



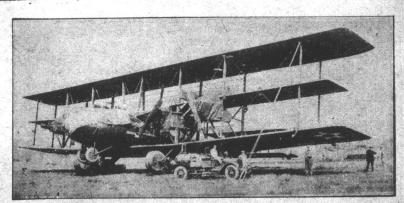
Pilgrims from all over the American Continent are attending the noted Canadian shrine at Mt. Royal, Montreal, where a rapidly increasing number of miraculous cures are being made.



American Legion head believes in presenting the evidence before questions are asked.



At the annual Harvard Regatta, Yale oarsmen make a clean sweep by finishing in the 'Varsity race more than six lengths ahead of Harvard. Yale's Juniors and Freshmen also captured the purple.



This giant Barling bomber triplane is the largest airplane in the world and its 120-foot wings, driven by six 450-H. P. Liberty motors, will be given official trial in a few days.



NE day, while Queen, for want of the other end of the barn with a bunch earth with a stick and was looking at Her palate by this time was sore and ing over her empty manger from which she had eaten up every spire of hay, she heard the dog, outside, bark with unusual excitement. By the increasing rapidity with which his barks succeeded each other, she knew that something was coming. She soon heard the rumbling of a wagon and when that sound came very close and stopped it was followed by the clatter of many voices. She had allowed herself to worry about many sounds that had resulted in no harm to her and experience was teaching her not to worry. So she soon went back to her dozing, especially since the rapid patter of hoofs, as the horses drawing the wagon pulled into the yard, had quickened her memory of life with the herd.

In the midst of her dreaming she was suddenly disturbed by the entrance of two strange horses whose heavy feet beat the floor of the barn so hard that she felt every beat. The harness on these two huge horses was massy and bits of metal on it flashed with the reflection of the light of the doorway. They were led into the stall next to Queen and with absolute indifference to her they began to rummage in the manger and the oats boxes, calling greedily for food. Queen watched them with no little interest. She was afraid of the men who had come in with them but in spite of the men she could not resist the desire to touch noses with the horse nearest to her. She pushed her nose anxiously through an opening in the partition and the big horse touched it with his nose a moment, but immediately returned to his voracious search for oats. But the touch of the big nose had only intenfor companionship, and she called more loudly and with greater appeal.

SUDDENLY she felt a slap upon her back and when she almost flounced into her manger in fright, she heard laughter behind her. The man who had slapped her then went round to Queen's eyes fell upon him she recognized him. It was he who had helped the man of the place capture and brand her. The smell of him was most repellant and she backed away as far Twas no longer accustomed burt repellant and she backed away as far around a steading of the back wall of the manger, he pulled on them, dragging her forward till her knees struck the manger, and her head was over his shoulder as he stooped. He held on to the ropes keeping her head immov-

her head away but the ropes were relentless. The evil-smelling hands of her. her owner moved all over her face and she was powerless even to show her resentment. His big thumb forced its ped in between her teeth; and before she could dislodge it, the straps were forced over her ears and fastened around her neck.

to eject the annoying iron from her

of straps, threw them upon her head. her. Under the wagon sat the dog on the pain was so excruciating Queen She struggled desperately to pull his haunches. As soon as he saw her he raised his muzzle and barked at utes both men were obliged to hang

She tried to back into the barn but the man who stood in its doorway struck her with a stone which he way between her teeth and while her threw at her. She dashed forward and jaws were apart a piece of iron slip- reared. Her owner pulled down on the reins and once more the bend in the center of the rider's bit struck her tender palate. The pain terrified her. It seemed as if her enemies were able With teeth and tongue she struggled to strike her from within. She jumped involuntarily but she realized at mouth but try as she would she could man at the bridle immediately jerked

again lost her temper and for ten minon the ropes and the reins as she reared and kicked and balked. But in her enraged kicking one of her hind legs struck one of the rear wheels of the wagon and the pain that shot through her whole body had a quieting effect upon her. While they had her up against the wagon from which the boy and the dog had fled, they placed the saddle upon her.

THE saddle securely fixed, they led her off again, but walking was now difficult and painful. The cinch, the strap that keeps the saddle in place, was so tight that it was almost completely hidden by the skin which lopped over it from both sides. It cut her painfully every step she took. In two places on her back some hard parts of the saddle pressed against the backbone

But all this, miserable as it made her, was as nothing compared with the horror that swept over her when the man suddenly seized the horn of the saddle and threw himself upon her back like a beast of prey. She sprang forward to get away from the farmyard; then on the open prairie she began in real earnest the attempt to throw him. He pulled on the reins till she felt the bend in the bit boring into her tongue. He dug his spurs into her sides. He lashed her savagely with the knotted ends of the ropes. But in her desire to rid herself of the frightful weight she seemed to have lost her sensitiveness to pain. She shook her body as a horse will shake water from him. She reared. She kicked backward. She shook the rear of her body while she braced her front legs against the earth. Then failing in all these attempts, she threw herself to the ground.

He jumped in time to avoid a broken leg. Then thinking that she had conquered she struggled to her feet intending to fly, but to her consternation, she was no sooner on her feet than he jumped back upon the saddle. She was determined to get rid of him and was about to throw herself again when she received a blow upon one ear that almost stunned her. The man had leaned forward and struck her with his hand in which he held his hat; but she thought it was some feroclous bird come out of the air to assist him. She turned in the opposite direction and dashed away. When he wanted able; while her owner, coming from once that every jump inflicted its own the reins and with impatient force. other ear and this time when his wingher to turn back he struck her on the

The Chinch-Bug

By Al. Rice

When all the earth is dry and hot, Beneath the sun a boiling-pot, And dust-dry winds with heat are He likes his "corn-juice" free of gin

In rattl'ing fun: Then comes the chinch-bug to the spot With gattling gun.

We poison him-but what's the use? He doesn't eat all kinds of juice, Perhaps the Devil turned him loose

Bad case the cuss. Perhaps the Devil turned him loose To pester us.

The moon-shine dope that's death to sin He wouldn't eat with sugar in; And "snake of death," Nor even stops to wipe his chin,

Bad cess to them! For shame, for shame!

Or take a breath.

The chinch-bug isn't even game; But travels like malignant flame, So slow and sly, Our curses rest upon the name, We know it by!

not move it to the edge of her teeth. punishment. So she tried very hard They then loosened the ropes and her owner seized them all with one hand. Taking the reins which hung from the bridle bit in the other hand, he sified the burning desire in her heart jumped over the manger. Seeing him she sprang back nervously and he followed her. She started for the doorway and when she got out into the open, she was going a little fast for him. With a vicious jerk on the reins he halted her. The iron in her mouth was bent in the center and the least jerk on the reins forced the bend to the front of the manger and when strike the tender palate with the force of a hammer.

as she could go; but he untied her the joints paining her with the exerropes and pulling their ends together, tion of her first activity in so long a time. A wagon stood not far off with its tongue extended before it. On the seat was a fur robe. It appeared to her like some sort of animal and she was afraid of it. Against its wheel leaned the boy. He was pounding the jumped to the side in fright. The

to control herself, though her every nerve was on edge.

The man then walked forward and pulled on the ropes. She did not know what he wanted, so she braced herself against his pull. Again he jerked the reins and to avoid the force of his pull she moved hastily toward him. At once he moved off again and a few repetitions of this taught her to follow when led. Around and around the yard the man led her and with eyes aflame with fear, her skin quivering with nervousness, Queen hastily foilowed him, desiring to resist but anxiously afraid to do so.

She was beginning to think that that was all they wanted of her when the man in the doorway of the barn came forward with a heavy leather affair from which straps and things hung and dragged on the ground. She was standing quite still, breathing rapidly when this new apparition appeared. As the man swung it upon her she

AL ACRES-It Looks as if Slim's Nose Is out of Joint

By Frank R. Leei MR ACRES, I'M THE NEWS FILM PLL THAT'S A GOOD IDEAR HAVING "WONDER FUL HIREDMAN!" IT JUST GOES TO SHOW, MAN, I WANTA GET A MOVIE THEM WORDS MAKE ME FEEL A FELLER KIN MAKE A NAME OF YOUR WONDERFUL HIM OU HIRED MAN! AS LIGHT AS AIR! GEE! I'VE FER HIMSELF BY PLUGGIN! (COSH! HOPE THAT GUY TAKES BEEN TOO BLAMED MODEST SHUCKS! DID THAT DUDE COME ALL THE CHRISTMAS WAY OUT HERE, AND SUNDAY SUIT TO TAKE A PICTURE OF THAT BUNCH OF SCRAP? BUSINESS OF SLICKING UP

like hat reached her ear, he sent forth a most fiendish shriek.

Away she leaped over the plains as ed. When with his reins he pulled turned in that direction and as soon rushed for the barn-door. as she turned he stopped pulling.

She was finally so worn out running, that she dropped back into a weary walk and as she looked up she was if some awful monster were at her surprised to find herself but a few rods heels. She seemed to get relief in the from the barn, Rebellion was futile. running. Her rider ceased pulling on All her failures proved it to her, yet the reins and ceased poking her sides when the man near the barn-door came with his spurs. He showed no dis- forward to take hold of her, she tosspleasure in any way and Queen began ed her head wildly, gripped the bit beto realize that that was what he want- tween her teeth and reared. Then when he ran off to the side to get away her head sideways she involuntarily from her, hoofs, she fell back and

(Continued next week).

Gossip from Cherry Hill

By O. W. B.

his letter. Also a new idea is born on this place. Well Pete's mother and into the community. All are doing pappy are gettin' rather old an dewell.

Cherry Hill, July 4. Sittin' on the Porch.

DEAR UNCLE DAVID:

Well the Great and Glorious is about over. I'm out here on the porch with him leave his folks in the ditch an go Vera watching the fireworks down at off just for a few more sheckles. It Carey. We can see them real plain from here, an the skyrockets an Roman Candles and the explodin' bombs makes me glad that I'm here an not in France four years ago wen we had to stay all summer till school opens fireworks a plenty an more than I ever want to see again.

but our Community put on a Picnic been teaching our district school this down in Charley Gilkey's grove near year. Never was a finer girl, only an about the finest, most peaceful place makin' comparisons. Well Mary an for such doings that I ever see.

Sunday School Picnic but Charley, wat was in France an sometimes when is a little more progressive than most things began to fly kinda thick around of us, that why it wouldn't be better and the cooties got ornery and the not to limit it to Sunday School but mud in the trenches stinkin' Pete use make it Community, so that's wat we to hone for Cherry Hill and Mary.

is comin fine as silk.

Well we played some games, drank somebody could give them to her. pure water out of Charley's bubbling nice pond, an then we had dinner.

cooked over a fire in a nice brick off his folks back. stove Charley had built for the pur-

one from the Boy's Base Ball Club, an school opens. one from the Literary Society.

talk over community problems an de- an it's about time they did something cide what to do. Well that's a good to spell the load a bit. Pete made the start for one day aint it Uncle? Everybody was interested and stayed till Girl doin' summer school work down it was time to go home for chores and at the college had a hand in it too. we all voted it had been the best Pete says its his conviction that every Fourth of July we ever spent.

He an I "Fit an Bled in the Great folks gets it from now on. Warrh togither" as the old Scotchman says. Well Pete's been down at the

HEY had a different sort of cel- Agricultural College workin' for his ebration at Cherry Hill this degree as I should hav done if I hadn't year. Henry tells about it in married Vera in such a hurry and got pendin' on Pete to come home to work this summer, but Pete had a fine job offered to him for more money an he up an accepts.

> Well it made me rippin' mad to see wasn't like Pete an I wrote him purty sassy but it didn't have no effect leastwise he didn't come home rite then. But he's home now an expects

Well it made me rippin' mad to see Well it took a mite of a woman to We didn't go to Carey Celebration wake Pete up. You know Mary Martin, the crick. That's in Charley's pasture don't tell Vera I said that. She'd be Pete's been purty thick for some time. Well we first thot we'd make it a Pete use to tell me bout her when we

He'd swear if he ever got out of this We didn't invite no outside speakers dirty mess alive he'd be satisfied to but just brought ourselves and famil- spend the remainder of his days on ies an dinner an we had about the Cherry Hill and try to make his folks best time I ever had. You see Uncle and Mary happy. He wrote her as we are getting interested in this Bet- many letters as the censor allowed an ter Community Movement and things then wrote some more he never mailed but kept in case he "went west" an

Well Mary went to Summer School fountain that he has fixed up to that at the AG. College an I guess Pete forspring coming out of the rocks, swung got his folks an thought he'd just have in the swings, played baseball and the a fine time down there with Mary this boys went in swimming for Charley summer. But Mary went down there has dammed up the creek an make a for work an she told him that if that was the way he felt about his folks Say Uncle we didn't have any sup- he'd better forgit her. Well, day or Say Uncle we didn't have any supplied better. It is a supplied better the per atall. I didn't want any an Vera two after Mary went down there Pete what's an hour worth says she ain't going to force anybody come home an ever since he's pitched to wat doesn't want to. Had coffee in like a good feller an taken the load

Pete is pitchin' right in to our compose an then after things was cleared munity affairs too an is going to be a about it. They elected me chairman laid by. First vacation I guess they an then we figured wat we wanted and ever took, an Pete's responsible for wat we needed. Well, we made up a that. They got him one of them Speed-Community Council. One representa- wagons an has built a little bungalo tive from every organization existing on it all fitted out with everything in the community. Runs something comfortable an cozy an they plan to like this, one from the Sunday School, just amble over the country an take one from the Agricultural Club, one their time visiting the old home an old from the Woman's Society, one from friends an no particular destination the Church, one from the School Board, cept to get home some time before

Well I give Pete a long mark for They will meet once each month an that. They aint had no rest for years plans for them an I reckon the little farmer is entitled to a vacation just You know Pete Robertson lives down as much as any feller wat works over the road about a mile from our place. a desk an he's going to see that his

Guess he's right don't you Uncle? HENRY.

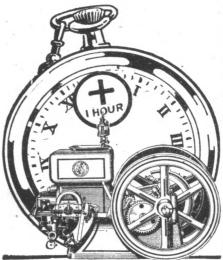


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to a farmer?"

WOULD you pay two cents for an hour's spare time a day? Would up we set down an talked things over. lot of help. Pete's pa an ma are going your wife? It doesn't cost that, even, Well I ain't going to tell everything to take a vacation when the corn is to gain an hour on pumping water alone with a Hercules Engine.

Saves so much time on so many chores!

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Woman's Interests

When Threshing Time Comes

Julia Learns Some of the Many Labor-Savers When Feeding Hungry Men

As she began to hastily rid her hungry men. She served: fingers of the dough, Julia came in Roast Beef from the garden with a pail of big red strawberries.

"I'll answer it, mother. I think it is Jane calling about the picnic," she sang as she hurried to the telephone. But this is what Mrs. Stanley heard:

"Hello!"

"No, this is Julia." A minute's pause.

"Yes, Mrs. Gray, I would be very glad to help you. When do you want me to come over?"

"Yes, I have the berries all picked and will be right over."

As Julia turned away from the tele-

Summer Short Cuts

WITH the extra work of canning and the care of the hired help through having and harvest, coming along with these hot days, there is need for every housewife to exercise all shortcuts in her work possible. Perhaps you have worked out some labor-saver for these hot days that will help others.

Just send a card explaining it. For the best letter telling about the way you save yourself labor and steps during the hot weather, we will award an aluminum preserving kettle. The second prize will be an aluminum double boiler; while the third, fourth and fifth prizes will be aluminum sauce pans.

Address your letters to Martha Cole, Michigan Farmer, Detroit, Michigan, before July 19.

phone, there was a determined look in her expression.

"Mother, if Jane calls, tell her I can't go to the picnic," she said. "I am going over to help Mrs. Gray with the threshers."

The Stanleys had recently moved from the city and were new at the farming game. With plans to marry a young farmer of their community in the fall, Julia was anxious to grasp the opportunity to get some first-handed experience in feeding farm help on the farm. With this in view, the picnic did not enter into consideration.

And so, armed with an apron and a Ford, she was very soon in Mrs. Gray's kitchen assisting her in preparing the dinner for fifteen or more hungry men. It was all a wonderful revelation to Julia. She had lived the greater part of her nineteen summers in the city and small town, and to her the having time, threshing time, and silo-filling time on a large farm was an enormous task, one greatly to be an enormous task, one greatly to be corn. For several years flat sour has dreaded. But that afternoon as she pumped passes through the house tank developed.—Mrs. C. G. returned home, it was with a much hence always fresh. This tank is in changed viewpoint, and she was eager the corner of my kitchen, with a good ble is probably that you let the corn to tell her mother of the new things white porcelain sink, and a cistern stand too long after picking. It should she had learned.

doing the mending and in answer to

imperative jingle as Mrs. Stan- splendidly. She had planned a very put so many things on it at once and ley was in the midst of her usual simple but ample meal, and it seem-Wednesday morning bread-mixing act. ed to appeal to every one of the room table. It was just made of one

Mashed Potatoes

Browned Gravy

Bread and Butter String Beans Cucumber Pickles Radishes Fresh Cherry Pie Lemonade

"The meat she had roasted yesterday, so it had only to be re-heated. I peeled the potatoes and got them ready while she prepared the string beans. I helped make the cherry pie, too, and now I know how to keep them from running over. Just add about one and a half or two tablespoonfuls of flour mixed with the sugar, and they will never run over a bit. Mrs. Gray also added about one-quarter teaspoon of soda to the sugar for each pie, and it didn't take only about three-quarters as much sugar, and the flavor was just as good.

Sweeten Lemonade with Syrup.

"In making the lemonade, we used half oranges and half lemons, and sweetened it with syrup instead of the dry sugar, and this helped to beat Mr. Sugar Profiteer, too. Several of the men complimented her on how good it was, and said that in warm weather they preferred it to coffee.

"It was no trouble at all for us to arrange the dinner on the table, as Mrs. Gray has one of those handy lit- et full of experience."

HE telephone bell rang out its children on the farm, she gets along the wheel trays, or tea carts. We could wheel it right in beside the diningof those old-fashioned washstands like we have up in the back bedroom, painted in white, trimmed in buff and blue. But it saved a good many steps and the draw is used for silverware."

"I am so glad you went," interposed Mrs. Stanley. "You have gained some good experience that will help you when you and Jerry start housekeeping on the farm."

At the mention of her future, a maidenly blush crept over Julia's cheeks.

"But," she continued, "the best part of it all is that there was no extra washing to do."

Save on Washing Day.

"I don't see how she could eliminate that," said Julia's mother, "there must at least have been a few towels."

"No, not even any towels," declared Julia. "She had purchased a roll of paper toweling and the men never complained about using them at all. She had also purchased a large paper tablecloth and napkins. When the lable was cleared, all were chucked into the stove and there was no thought of extra washing on Monday."

"I have missed you today, daughter, with the canning," said her mother, "but I am so glad you went, for you certainly have come home with a pock-

Use More Water

It Will Lighten Honsework and Save Steps

venience in my farm home. It is tage when it is right at hand. strange so many farm homes are not tank of thirty gallon capacity, piped ped very soon .- M. B. F. the water first to this from the well and then on to the barn. All water

CANNOT resist the temptation to plete. Also, one easily uses three describe to you the handiest con- times as much water to good advan-

If more wives would investigate this equipped with water in the house. handy arrangement, I am sure many Nine years ago we put in a pressure more homes would be likewise equip-

Household Service INTERESTED IN GIRLS' ATH-

Can you furnish me with the names and addresses of any managers of a girls' base ball league? Any information you can give me would be much appreciated.—H. T. H.

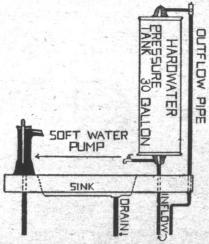
LETICS.

This request comes from one of our subscribers, interested in the development of girls' athletics. Can any of our readers furnish H. T. H. with this information? Do you know of any girls' base ball league that is anxious to play other teams?-Martha Cole.

CANNING CORN.

I have used a water seal canner for eight years and have good canning success with everything but the sweet

If your corn has flat soured the troupump at the other end of the sink, be canned as soon as picked, allowing She found her mother on the porch which has a good underground drain. not more than two hours to elapse be-During the nine years of constant fore it is in the cans. A little experiher mother's question as to what she use we have never had to put on one ence is also necessary in selecting corn had learned that afternoon, she sat cent's worth of repair and I consider for canning. It should be mature and down beside her to tell her all about it. it has saved days of time, besides doc- picked just before it enters the dough "Mrs. Gray is certainly a wonderful tor's bills, of which five or six visits stage and should be processed three



Simple Arrangement for Running Water.

little housekeeper. With the three would fully cover the cost of all, com- hours in hot water bath.

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What a Woman Learned

Our Weekly Sermon-By N. A. McCune

W HEN we think of Mary, the Mother of Christ, it is of a woman beloved of millions. By the Roman Catholics she is regarded with peculiar reverence as being the mother of the world's Messiah. Some one has divided her life into three parts thus: Mary the learner, Mary the mourner, and Mary the worshipper. She had much to learn.

She did not know the certainty of the things which she heard, yet in her simple and trusting heart she believed them. No one else believed the shepherds as far as we know; but Mary pondered over what they said. When the wise men came from the east Mary must have been set to thinking still more, concerning the Babe at her breast.

There were hard things to learn, too. One day she and her husband

lost the Boy in a great city. They searched for him three days, "sorrowing," we are told. When they found him they did not know what to make of it. He was dis-

cussing deep theological questions with the sages. Everyone was amazed, his parents with the rest. They did not understand Him. And yet He was surprised to think that they had thus looked for Him.

A recent writer on the life of Christ says that this whole incident was a rebuke to the parents. "They had left Him to live His inner life alone." Perhaps there is something in it. Like a companion to Him, and He was obliged to consider the questions that pressed on Him without outside sympathy or help.

Again, Mary had to learn. One day she thought He was nervous and tired; worse than that, that He was "beside Himself." She and His brothers went to bring Him home. When it was told Him that His relatives were on the edge of the crowd looking for Him, He replied that they had no more claim on Him than other good people; that everyone who did the will of God was His mother and sister and brother.

Kissed the victim of war and walked out. No word was spoken. There was nothing to say. Silence was the highest eloquence. Was not this true of Mary, as she stood, a mourner, at the cross?

WHAT became of Mary after the resurrection? John had taken her to his home, and there is reason to believe that John belonged to a family the believe that John belonged to a family the believe that John belonged to a family that the description.

THESE were hard spots in life's road for Mary. But we are glad to know about them. It is clear that she had to learn, like other people. She did not understand her wonderful Son. The person who never grows is dead without knowing it. That is one of the weak spots in the church. Many church folk will apparently do anything but grow. If the minister departs from the ancient theological landmarks, it is a subject of complaint. "Us never done it that way," said an old man to a young minister who was trying to persuade the pillars in his church to undertake something new. Not infrequently the preacher himself is averse to the new. Growth is a law of life.

Prof. Thomson, the noted Scotch biologist, says that a snail is capable of a new idea. That seems to be more than can be said of some humans. Fish can be taught. Human beings are expected to push back the horizon of their mental and spiritual world. Many never do. All may.

There is a wonderful picture of Mary and her Child, at the time of the flight into Egypt, by the French painter, Merson. It is called "The Repose in Egypt," and represents the mother, weary with the long dusty journey, lying between the long stone arms of the sphinx, in Egypt, with the Child at her side. The stars are out and all is still. In all the long series of expe-

HEN we think of Mary, the Mother of Christ, it is of a woman beloved of millions. By the man Catholics she is regarded with by life's teachings. Such is the escale reverse as being the mother of greatness.

WHEN we turn to Mary the mourner, there is tragedy indeed. When the infant Christ was brought into the temple, you will remember how aged Simeon came up and blessed Him, and said to his mother, "A sword shall pierce thine own soul also." He was right. The sword piercing became actuality. We can only imagine how she felt as her Son stood trial, and the crowd hooted; or when He was led to Crucifixion Hill. No words can describe that. We are not told how she felt. It could not be told anyway. It must be left to the imagination. "Woman, behold thy Son!" he said to her in the closing agonies of the cross. No words could better express how He felt. And she made no reply. There are times when silence is the only speech possible.

The story is being told in England that the Prince of Wales recently visited a hospital for crippled soldiers. There were twenty-eight beds. The Prince saw twenty-one men. "Where are the other seven?" he asked. He was told that the others were so badly crippled that it would be depressing to see them. But he insisted, and was taken to see six. "But there is one more I haven't seen." He was told that this man was so horribly mutilated by shell that he was hardly human; a mere mass of flesh, a horrible object. His Highness ought not to see such a tragic sight. "But I want to seem him," said the prince. He was taken into the room where the shapeless mass of human flesh lay on a bed. For an instant he turned pale, then stooped and kissed the victim of war and walked nothing to say. Silence was the highest eloquence. Was not this true of Mary, as she stood, a mourner, at the

WHAT became of Mary after the resurrection? John had taken her to his home, and there is reason to believe that John belonged to a family that had considerable means. Very likely she lived with him the rest of her days. She must have been with the disciples in those excited early days of the infant Christian church. when persecution was rife. She would know of James' death, of Peter's imprisonment and release, of the conversion of Paul. No doubt she heard some of Paul's letters read to the church at Jerusalem. She may have wished to go with John when he organized the church at Ephesus. But the Bible tells us nothing more. And it is as well. But the peasant girl who became the woman of gentleness and love is the most famous woman of history.

Here is what another says of her character, with her quietness of spirit; her admirable self-control; her devout and gracious gift of sacred silence. The story of her life and of her relationship to Jesus is consistent throughout and touched with manifold unconscious traits of truth. Such a narrative could not have been feigned or fabled."

SUNDAY SCHOOL LESSON FOR JULY 8.

SUBJECT:—Mary, the Mother of Jesus. Matt. 1:18 to 2:5; 12:46 to 50. Luke 1:26 to 56; 2:1 to 52; John 2:1 to 11 and 19:25 to 27.

GOLDEN TEXT:—Thou shalt call His name Jesus; for it is He that shall save His people from their sins.—Matt. 1:2.



Lily White

"The Flour the Best Cooks Use"

From the Finest Wheats

From the finest wheat one has reason to expect the best flour. From the finest flour one may well expect the best baking.

Lily White is milled from the finest wheat grown in this country and not surpassed anywhere. It is scrupulously cleaned, scoured and washed, and milled by the famous six-break system to a granulation that is perfect. Its volume, color and flavor are just right for the making of appetizing, wholesome breads. From Lily White you may expect the best baking. We guarantee it. You will produce better baking and like it better than with any flour you ever used.

Parker House Rolls made with Lily White

Our Guarantee

We Guarantee you will like Lily White Flour, "the flour the best cooks use" better than any flour you ever used for every requirement of home baking.

If for any reason whatsoever you do not, your dealer will refund the purchase price. He is so instructed.

You are protected while trying out Lily White.

Call your grocer now.

VALLEY CITY MILLING COMPANY
GRAND RAPIDS, MICHIGAN
"Millers for Sixty Years"

PENINSULAR Work Kindred



Here's the shirt for you! The Peninsular work shirt—a leader for 50 years! Join the thousands of satisfied Peninsular customers. The double stitching, pointed neck-yoke and 36 inch length will make a hit with you.

Ask your dealer!

GEO. F. MINTO & CO. Inc.



DETROIT ARTIFICIAL LIMB WORKS
27 West Elizabeth St. Detroit, Mich.

Michigan Farmer Pattern Service

Send fifteen cents either in silver or stamps for our up-to-date spring and summer catalog, showing color plates, and containing 500 designs of ladies', misses' and children's patterns, a concise and comprehensive article on dressmaking, also some points for the needle (illustrating thirty of the various, simple stitches), all valuable hints to the home dressmaker.

All orders for patterns and catalogs should be addressed to Pattern Department, Michigan Farmer, Detroit, Mich., and be sure to state the size wanted.



No. 4405—Ladies' Apron. Cut in four sizes: Small 34-36; medium 38-40; large 42-44; extra large 46-48 inches bust measure. A medium size requires 45% yards of 36-inch material. The width at the foot is 2¼ yards. Price 12c.

No. 4406—Ladies' Under Garment. Cut in four sizes: Small 34-36; medium 38-40; large 42-44; extra large 46-48 inches bust measure. A medium size requires two yards of 36-inch material. Price 12c.

Reduced Prices **BABY CHICKS**



Best Paying, Heavy Laying, Purebred Strains. Tom Barron English S. C. W. Leghorns—25, \$2,50: 50, \$5,00; 100, \$10.00: 500, \$45,00; 1000, \$90,00. Park's Strain Barred Rocks; S. C. Rhode Island Reds—25, \$3.00: 50, \$6.00; 100 \$12.00: 500, \$55.00; 1000, \$110.00. Good strong broiler chicks \$8.00 per 100. Place your order at once: avoid disappointment. Get your chicks when you want them. 100% live delivery guaranteed postpaid. Instructive catalogue free. Prices on mature stock, 8—12 weeks old pullets on request.!

Brummer Frederickson, Poultry Farm

Now is your opportunity to buy laying and breeding stock for next season.

8 Weeks Pullets—White and Brown Leghorns, Anconas, Barred Rocks. These Pullets are all grown from carefully built up laying flocks. They will, lay this fall and winter.

Yearling Hens—White and Brown Leghorns, Anconas, Barred and White Rocks, Rhode Island Reds. First class selected hens, laying and breeding stock for next year.

year.
All stock is guaranteed to be satisfactory to you.
Write to us for description and prices.
STATE FARMS ASSOCIATION
Room 201 Chase Block, Kalamazoo, Michigan.

Whittaker's R. I. Reds

Hatch of July 11th \$14 per 100; \$7.50 per 50; \$4 per 25. Hatch of July 19th \$13 per 100; \$7 per 50; \$3.75 per 25.

Hatch of July 19th \$13 per 100; \$7 per 50; \$3.75 per 25.
Grade "A" Chicks \$20 per 100; \$10.50 per 50; \$5.50 per 25. Prepaid by parcel post and safe delivery guaranteed. Here is your opportunity to improve your flock with Michigan's Best Reds. at rock bottom prices. Order from this ad. and state whether you want Rose or Single comb. Do not delay as July 19th will be our last hatch this season.

INTERLAKES **FARMS** Lawrence, Mich.



A Hatch Eve y Week All Year POSTAGE PAID, 95 * live arrival guaranteed. MONTH'S FEED FREE with each order 40 Breeds chicks, 4 breeds ducklings, select and exhibition grades. Catalog free, stamps appreciated.

Dept. 15, Gambier, O

NABOB HATCHERY



CHICKS of quality from real winter layers, mated by pedigreed males from Michigan Agricultural College.
Inspected and exceeding the power state per college.
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PULLETS AND COCKERELS

Order Now for Early Fall
WHITE LEGHORNS AND MOTTLED ANCONAS
Also Black Leghorns, Brown Leghorns, Buff Leghorns, Black Minorcas, R. C. Rhode Island Reds,
Barred Plymouth Rocks, White Plymouth Rocks,
Silver Wyandottes, White Wyandottes, WE HATCH
eggs from Hoganized flocks on free range on separate
farms, where also our stock is raised.

CRESCENT EGG COMPANY
Allegan Send for Prices Michigan

GREENLAWN CHIX AFTER JUNE 15th White Rox, Barred Plymouth Rox, R. I. Reds, or Black Minorass, 13½c each. White Leghorns, Automas or Broiler Chix 12c each in 100 lots. All chix less than 100 lot 14c. Order now for June, July and August. Our 13 years producing chix that please. Sept. Chix 15c straight. GreenLawn Poultry Farm, South of High School, Fenton, Mich.

Baby Chicks \$12.00 per Hatching eggs, \$1.50 per setting to \$15.00 per 100. we are listing 17 varieties of pure bred fowls; Chickens, Geese, Ducks & Guineas, also breeding stock-Bend for prices and circular. Booking now for early delivery. CLINTON HATCHERY & POULTRY FARMS, Wilmington, Ohio.

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KEEP BEES

Complete Beginner's Outfits with or without bees, Full line of Beehives, Sections, Comb Foundation, Smokers, etc. General Agents in Michigan for the A. I. Root Co. Send for 1922 Co. Send for 1923 catalog. Beeswax Wanted.

M. H. HUNT & SON,



What the Postman Brought

A Few Interesting Letters from Merry Circlers

Dear Uncle Frank:

Helping out! That's me, all right! Listen, boys, I'll tell you all about my big ideas. They're not air castles, either, and I'm not blowing bubbles, as they call it. I'm in earnest this time.

Here is what I'm planning on pulling through this summer. It may sound big for a boy of twelve, but I

well, I'll start now. I'm going to work out and earn money until I can get enough to buy books. I'm going to run the tractor, milk the cows, and take care of them. I'm going to help my father fix his little old bus.

I'll help my mother wash the dishes, sweep the floor, and dust the furniture. I am going to plant a garden, and I'm going to make a garden of my own. I'm going to plant carrots, to

own. I'm going to plant carrots, tomatoes, pumpkins, beans, and I'm going to try to plant celery and peanuts.

After all my garden plants are up
I'm going to go down town and sell
everything I raised, and with the money I've made I'll be helping out. From
your nephew, David Johnson, Gladstone, Mich., R. 1.

You'll be a helper, all right, if you do all these things. I hope you will keep close to the fulfillment of your

Dear Uncle Frank:
We have three cows and three horses. We also have a nanny goat which had two little kids. They are the cutest things I ever saw.

It makes me mad when I see bobbed haired girls with knickers. I have neither. In our school there is one girl besides myself who has long hair,

that is out of fourteen girls.
Hoping to be your niece, Elizabeth
Pionke, Lawton, R. 2, Box 102.

I can't help but be slangy by suggesting that you should be careful not to get the kid's goat when you play with them. It looks like twelve to two in favor of bobbed hair.

Dear Uncle Frank:

Say, Uncle Frank, I will send you a pansy to wear on your knickerbockers, and a comb to comb your bobbed hair back.

I agree with Harold Coles about go-

ing to the asylum.
From your niece, Dorothy Richardson, Alto, Mich., R. 1.

I'll be waiting for the pansy and comb. I can't just get your meaning regarding the asylum. Do you mean that it is the place for me?

Dear Uncle Frank:

Dear Uncle Frank:
Well, Uncle Frank, I am trying one of your contests. I know I won't win because I never do win anything. to make up that "Spring Poem." It I wonder how long it took Rex Ellis was good just the same, so were all the rest. I do love poetry, don't you, Uncle Frank?
Harold Coles is quite hard against "Bobbed Hair" and "Knickers." I am not on his side about them.

not on his side about them.

Well, Nature seems natural again. All the trees are budding and the grass is nice and green, and the wild flowers are blooming. I guess spring is here now. It was a long time coming.

Well, I guess I will say good-bye to Beatrice Mayette, Pinconning, Mich.

It's no use of trying if you know you won't win. Yes, I like poetry, that is, good poetry. I'm glad you appreciate Nature.

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CABBAGE PLANTS Right varieties for paid 100, 40c; 500, \$1.25; 1000, \$8.2, Massillon, Ohio.

Dear Uncle Frank:

I think Harold Coles hit the nail on the head, all right. But paint is all right if put on the outdoor buildings. Knickers are all right if kept in their place. As for bobbed hair, it is not so bad. I have it, so I had not ought to say anything about the others. From another niece, Edith Newell, Hart, Mich., R. 1, Box 32.

Yes, I agree. Paint on barns makes carelessness. Even if it is carelessthem look better. Paint on faces makes them look worse.

Dear Uncle Frank:

I am getting real interested in the department, so thought I would try my luck in the contest. This is my first try. I am a boy nine years old, in the fourth grade. I passed on ninety per

TURN HROUND. This little drawing by Marion Mac-

Kellar, of Decatur, reminds us that the pleasures or sorrows of life come to us largely as the result of the way

cent this year; my lowest mark was

eighty-six.
Will close as this is enough for the first try. Hope to be your nephew, Versel Galley, Reroy, Mich., R. 1.

Good for you! I am glad to know

The most careless thing I ever saw

that boys can get high passing marks.

Let's hear about some other scholar-

we look at things.

ship records.

Dear Uncle Frank:

ness, it isn't the worst thing that could be caused by carelessness. I think, though, that young folks should be careful about kissing.

Dear Uncle Frank:

Today it is raining so I thought I'd drop in and give my thanks for the Merry Circle button and membership card. Thank you very much for them, and I'm sure I'll do what is expected of me as a member. of me as a member.
I think "Work to Win" is a good

I think "Work to Win" is a good motto for the club.

I have tried to be a winner of some of your contests, but failure seems to be in the way so far, but I'll try, try again until I succeed.

Thanks again. Your niece, Rose Sasek, Owosso, Mich., R. 4.

All who do what is expected of them as members make good members. Therefore, you will be a good member. I hope it rains again so that you will write again.

Dear Uncle Frank:

Dear Uncle Frank:

Hello, Uncle Frank No. 2. How's your good health this morning? I hope yours is better than mine, because I'm sick abed. I had the lockjaw and have been in bed since Sunday.

I'll tell you how it happened: I felt just fine Sunday until I started to eat my lemon pie. Then my jaws locked. They took me to the doctor and he couldn't get them open. So he put me to sleep and then pried them open. They said it sounded like a shot gun. My mother said she thought he had broken them, but I guess I'm going to to get better. I hope so, anyway.

My neighbors and friends are so good to me. They bring me flowers and come to see me, and I receive lots of nice letters from them.

I'll tell you, Uncle Frank, friends are the nicest things on earth, except your own folks.

Well. I will close. Your loving niece.

own folks.
Well, I will close. Your loving niece,
Louisa Lamphier, Oxford, Mich., R. 4.

was a boy kissing a girl.
What is Harold Cole's address? I've got something to tell him.

I would like a riddle contest some nate occurrence. I hope you get over time.—Lemon Ade, Sutton's Bay, Mich.

You certainly have had an unfortunate occurrence. I hope you get over time.—I agree with you I think you have a wrong idea of about friends.

What Made Me Laugh Most

By the Prize Winners

By Josephine Wells, Pokagon, Mich.. it all alone. We just flew around so

ing made me laugh most was when my mother told the following: Once when my oldest brother was about three until he was ready to eat. years old my grandmother put his tied him to the tree (for he ran away if left alone a moment). She then for supper tonight?" went into the house. At noon she went to get him for dinner but there were no signs of him there, so she went around to the side of the house, and there he was, tied to another tree. When she asked him how he got there, a week from today." he said ,"Well, grandma, I got tired of tied myself over here."

By Lola Court, Allen, Michigan.

The other day mother and I were talking about what we would do on Daddy's birthday, which is on June 20. Mother looked at the calendar and exclaimed, "Why! today is the twen-

thing about his birthday to him, and plate between them, so they both kissafter he went to work at noon, I went out and ran a chicken down and killed they went home.

NO A3331

The thing that I remember as hav- as to have a regular birthday supper all ready as soon as he unhitched, so he wouldn't know we were doing it

When we sat down to supper Dad playthings out under a shade tree and said, "Well, what does all this mean? How did it happen you have so much

Mother said, "We are celebrating your birthday."

He looked very much surprised at this, then he said, "This is only the thirteenth, and my birthcay isn't until

When we saw we were celebrating staying over there at that tree, so I a week ahead of time we all began to laugh, and every little while Daddy will ask us if we aren't going to have another birthday supper pretty soon.

By Beulah Gale, Pontiac, Michigan-

The thing that made me laugh the most was when a young couple sat on the davenport at a party. They were just going to kiss when one of the neighbor men who was always fooling, We decided we wouldn't say any- stepped up behind them and put a ed the plate. They were so mad that

About the Contest

THE Read-and-Win Contest this week brought the usual flood of letters to my desk. The boys must have been busy helping Dad in the hay field, for the girls won by quite a wide margin.

The winners this week are as fol-

Pencil Box.

Letta Hooker, Paris, Mich., R. 2. Milo K. Chew, Bay Shore, Mich.

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Pencit.
Howard Robinson, Michelson, Mich.
Isabelle Campbell, Pickford, Mich.,

Lola Harwood, Tecumseh, Mich. Maps. Ruth McShea, Rosebush, Mich. Maydah A. Neddermeyer, Fair Haven, Mich. Ellsworth Randall, Inkster, Mich.,

Ethel Thompson, Addison, Mich.,

. 2. Marjorie Kay, Pickford, Mich. The answers for the questions are as follows:

1. Flushing nostrils with salt and water twice daily—a teaspoonful of

How I Earned My First Money

THE summer time particularly gives every boy and girl an opportunity to earn some spending money for their very own. It is a great experience when one first receives payment for an honest effort.

Your letters this week are to tell about "How I Earned My First Money, and What I Did With it." Perhaps your method will be a new and worth-while suggestion to some of the readers of this department.

The two best letters will receive an ever-handy pencil box; the next three, nickled pocket pencils, and the following five our Michigan Farmer maps of the world and New Europe.

Address your letter to Uncle Frank, Michigan Farmer, Detroit, Michigan. This contest closes July 13.

salt to a pint of water—17-829.

2. On page 13-825.

3. Session of laws of 1917, No. 272 -818-6. 4. N. A. McCune-13-825.

*894.28 per head—17-829. Weeds—818-6. Yes—828-16. Pea vine silage—7-819.

9. A new canning bulletin—824-12. 10. Nobody—5-817.

DON'T BE CARELESS.

By Mary Marcis, North Branch, Mich. One day one of our neighbors went to town with his two little girls, and when they were coming home it started to rain. He had to stop at a place on returning. As it was raining he was in a hurry to get home. He took the rope and tied the horses to a pole and left the two children on the wagon. He did not notice how he had tied the horses, but went on to the house to get what he was after.

By this time the rain was falling faster and faster, and, of course, the horses didn't like this and they ed to jerk their heads about until at last the rope broke loose. They started on a run, and this frightened the two girls. They started to scream and at this the horses ran faster.

When they came near our house we heard the children screaming and mother and I ran out and tried to stop the team. They did not stop, but as we were on the east side of our gate they ran in our yard. There we stopped them, an dmy sister Elizabeth got the two children off. They were both sick for a week or so from the shock they got. The father said that it taught him a lesson to be more careful.

Farm Dairying

ORGANIZES FOURTH COW-TEST-ING ASSOCIATION.

OUNTY Agent K. K. Vining, of C OUNTY Agent A. Kent county, has completed the organization of the fourth cow-testing association and is already started on the fifth. The Alto-Kent Association consists of twenty-five herds in the vicinity of Alto. Its officers are: A. Behler, president; R. G. Bancroft, vicepresident; Elmer Yeider, secretarytreasurer; which officers, with C. W. Johnson and Glen Loveland, constitute the board of directors.

HANDLING THE COWS DURING HOT WEATHER.

M ILCH cows should be handled very carefully in hot weather. There is a great deal more danger of injuring cows giving a large flow of milk in hot weather than there is in cold weather.

Cows on good pasture and wellgrained produce a large flow of milk during the summer season, consequently along with the irritation of excessive heat are called upon to perform heavy physical labor. To hurry the cows or cause them to run from excitement is likely to overheat them and produce digestive disorder and sickness.

Many dairymen find it necessary to drive their cows some distance to and from pasture. Where cows are brought up from the pasture at 4:30 o'clock in the afternoon, as most dairymen practice in order to begin milking, the cows are exercised during the hottest time of the day. Every measure of precaution should be taken not to hurry the cows at this time.

In handling the herd to and from pasture it is not unusual for a cow to cause a little annoyance by running out to one side, back to the pasture or perhaps refuses to go immediately into the stable with the rest of the herd. Have patience with her. Do not yell at her and call the dog, but work quietly and talk kindly and she will generally go in without trouble.

Cows handled carefully at all times give a larger yield of milk, keep in better flesh and prove more profitable. -Leo C. Reynolds.

MORE LEGUMES MEAN BETTER FARMING.

A LTHOUGH Michigan is one of the leading producers of legumes, specialists are thoroughly convinced that the acreage could be greatly increased to the advantage of the state. At the present time, statistics tell us that 18.7 per cent of our improved land is growing legumes, mixed hay, clover, alfalfa, soy-beans, sweet clover, dry beans and dry peas. Only two per cent of the total improved land is in clover. It is estimated that for the most economic type of farming fully twentyfive per cent of the improved land should be planted to some kind of legume.

Someone says that Opportunity grabs us. It is the other way around. We must be ready to grab Opportunity.

Heavy laying stock at very reasonable prices. Write us your needs and we will send prices and catalog.

Zeeland Poultry Farm ZEELAND, MICHIGAN



The "Sweetest" Running De Laval Ever Made

The 1923 De Laval Separator which has now been on the market for over nine months, and of which there are already more than 75,000 in use, is acclaimed on all sides as being the best De Laval ever made, and that is saying a lot.

This new De Laval has all the efficiency, quality, durability and the advantages of former De Lavals, plus:

-A self-centering bowl which eliminates vibration, causing it to run smoother and adding to its efficiency and life;

-More uniform separation and less variation in the cream

Still easier running, and
Greater convenience, through
the use of a bowl holder which
is now attached to the supply can support. In addition, this new De Laval has other im-provements and refinements, all of which give its owner the greatest value obtainable in a cream separator.

Saves the Most in Summer Months

A De Laval will soon pay for itself any time, but more quickly during the summer months. Then the greater capacity, easier clean-ing and handling of the De Laval are most appreciated. Quick, easy and thorough handling of milk and cream in hot weather maintains the highest quality of both and often means the difference between profit and loss.

Why not see your De Laval Agent or write us about secur-ing one of these new De Laval Separators? Sold on easy terms, from \$50 and up.

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



"Special Sale of July Chicks"

Here is your opportunity to buy good quality Chicks at these remarkably low prices.

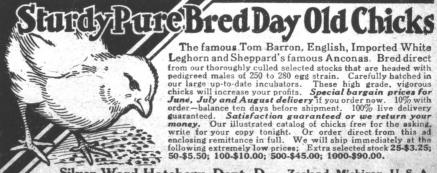
LOOK— Assorted lots of chicks \$70.00 per 1000, \$36.50 per 500, \$7.50 per 100. \$4.00 per 50, lot. Guaranteed live delivery to your door. Write for Special and regular price list and free catalog. Order early direct from ad. W. VAN APPLEDORN, Holland, Mich. R. No. 7,

CHICKS \$7.00 per 100 and up

Barron English White Leghorns, Brown Leghorns and Anconas \$9.00 per 100, .\$42.50 per 500, Broilers (Odds and Ends)

\$7.00 per 100, \$32.00 per 500. Every shipment is sent by prepaid parcel post. 100% live delivery guaranteed. Order direct from this ad, last hatch on July17th.

> WYNGARDEN HATCHERY BOX M. ZEELAND MICHIGAN



Silver Ward Hatchery, Dept. D Zeeland, Michigan, U. S. A.

Wanted an Experienced Truck Gardener
Must understand poultry as well. Full charge of small place. Excellent position and all year around work. MR. BERLIN, 1535 Broadway, Detroit.

PURE BRED FOX HOUNDS all ages. Pups bred es and Rabbits. W. E. LECKY, Holmesville, Ohio

COAL Blue Ribbon Lump. Get our attractive carload prices. Farmer agents wanted Theo. Burt & Sons, Melrose, Ohio.

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Painstaking, modern and scientific methods, coupled with the finest of breeding animals makes possible our enviable accomplishment.

You, Mr. Breeder, would enjoy and profit by a visit to this unique establishment of superlative breeding.

Your correspondence and inspection are invited'

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W. E. SCRIPPS, Prop. SIDNEY SMITH, Supt.

Registered Aberdeen-Angus 10 heifers, 6 bulls from eight to fourteen months. Best of breeding. The growthy kind that make good, Reasonable. Inquire of F. J. Wilber. Clio, Mich.

Registered Guernseys A fine Bull ready for light service, special terms if you wish. J. M. Williams, No. Adams,

For sale Registered Guernsey cows, May Rose Breeding also bull calves \$50 each: Registered A. R. dams.

JOHN EBELS, R. 2. Holland, Mich.

Guernsey Bull for sale. Registered, 2 years old. C ter, P. O. address. R3 Pontiac, Mich, Phone 7183 F 12.

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Registered Holsteins

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

TRAVERSE CITY STATE HOSPITAL Trave se City, Mich.

W.ANTED: Pure bred Holstein cows or change for my \$8500 equity in an 80-acre farm, highly improved and well located. W. H. Schendorf, 953 East 47th St., Chicago, III.

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

A Good Note accepted in payment of finely bred reg of the best, and at prices within reach of all. Write GEO. D. CLARKE, Vassar, Mich.

If you want practically pure HOLSTEIN or GUERNSEY calves, write Edgewood Farms, Whitewater, Wis., before ordering anywhere.

HEREFORDS

10 extra nice Repeater and Fairfax heifers from 14 to 20 months old for sale, also 10 cows.

ALLEN BROS. Kalamazoo, Mich.



BROOKWATER JERSEYS BULL CALVES FOR SALE

From Register of Merit dams and sired by Majesty's Intense 127191 and Brookwater Veda's King 169515. Write for Prices and discription. Herd is on federal accredited tuber culosis free list.

BROOKWATER FARM, H. W. Mumford, Owner,

Jersey Cows and Heifers. Having met with mismy herd of Federal Accredited Jerseys at a sacrifice. They are of Oxford, Eminent, Flying Fox breeding, of the best type and very high production. If you can not come to see them, write, O. S. Bassett, Kalamazoo, Mich.

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

For Sale Jersey Bull Jacoba's Minute Gun No. Hero, Dam Brown Lassie's Ethel. Any one interested write to, E. V. Lamb, Jeddo, Mich.

FOR SALE: Jersey bulls ready cows Register of Merit. Accredited herd.
SMITH AND PARKER, R. 4, Howell, Mich.

Registered Jersey cattle, young bulls, for sale. Tuberculin tested Lake Odessa, Mich.

30 Head of Jersey cows and heifers for sale. Chance to select from herd of 70. Some fresh, others bred for fall freshening. Colon C. Lillie, Coopersville, Mich.

Ruby's Knight 472893, winning 1st Wis. State Fair: 2nd Minn; 3rd Ill. State Fairs, and a winner at International, Chicago: having retained all his heifer calves. We offer a bargain for some one need-ing a high class berd bull. Also have a red yearling, a roan 3-year-old and a red 7 months old, priced for numediate sale

Bellfeuil Bros., Wilson, Mich.

Shorthorns Bidwell Revolution Jr. heads herd. Sire, Revolution, Dam. Maxwalton Rose-wood 3d, 2d Dam. Imp. Rosswood 86th. Now offering one good roan two year old bull out of a Marr Marr Sold dam, also a few cows and heifers safe in call-Prompt attention to correspondence-visitors welcome. State Accredited herd. One hr. from Toledo, O. N.Y.C. By. BIDWELL STOCK FARM, Tecumseh, Mich., Box D

Francisco Farm Shorthorns

and Big Type Poland Chinas. One 2 yr. old bred Heifer, \$200. Two choice yearlings, \$150. each. Three bulls, \$100. up. 3 boars, \$25 each. Lots of spring pig. of March farrow, P. P. Pope, Mt. Pleasant, Mich

Two Scotch Shorthorn Bulls For Sale Union City, Mich.

Richland Shorthorns

Special offer; Twelve Bulls from twelve to twenty four months old-Red, White, Roan, Good size, best of breeding-from good milking dams. Priced for quick sale. Write for particulars,

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

HURON Conuty Shorthorn Breeders' Assn. can supply your needs with high class individuals. Write for list to E. E. Twing, Bad Axe, Sec.-Treas.

For Sale at a Bargain, Cows and heifers from the horns, Representatives of the Oxford, Peri, Young Mary and Phoenix families, All T. B. tested. J. E. Tanswell, Mason, Mich.

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

HOGS

Woodlawn Farm Duroc Hogs mee ments, length, size and quality. Young stock for sale at reasonable prices and fully guaranteed. Write your wants.

W. E. BARTLEY, Alma, Mich

I AM OFFERING BRED SOWS

fall yearling and spring gilts, bred for March and April farrow, that are tops. Mated to O. C. K. Col. 2nd and Orion Giant Col. Write for price list. W. C. TAYLOR. Milan, Mich.

Is It Worth While? A real boar pig sired by Woodford Sensation, Dams of Defender or Pathfinder breeding.

We have them of Sept. farrow, not only showing extreme quality, but greater size than you will expect to find. Follow M 29 to

Kope-Kon Farms, Coldwater, Mich.

DUROC JERSEYS Spring pigs either sex of March hard hard, and May farrow, sired by three outstanding herd boars, It you want size type and quality combined come and see or write us. F. J. Drodt, Morroc, Mich. R. 1

Duroc Jerseys A few Pathfinder Gilts Bred to a good son of Foust's Top Col., E D. Heydenberk, Wayland, Mich

Durocs, April farrow \$12.50 reg. for a short time. staction or money back. B.E. Kies Hillsdale, Mich.

DUROC JERSEYS AND DELAINE MERINGS. OAREY U. EDMONDS, Hastings, Mich

Benjamin's weight, prize winner kind from bloodines of Champions and Grand Champions, now making big money for thousands. I have started more breeders on road to success than any living man. Let me help you. Easy to start. Cost slittle, 3.5. Benjamin R.F.D. 10. Portland, Mich.

CHESTER WHITES WATCH our ad for fall bred sows and gilts.
WEBER BROS. 10 MHe Rd. West Royal Oak, Mich.

Chester Whites Herd headed by The Mon-Two great Big Type boars of the breed. FRED L. BODIMER, Reese, Mich

Chester Whites Gilts bred for fall, also corded free. Albert Dorr. Clinton, Mich.

OCKAND DATE

TON LITTER IN SIX MONTHS.

AM only a woman, and we are doing our first year of farming. My son has brought a litter to a ton in six months. We had no corn, but cooked potatoes and rye for feed.-Mrs. C. E. Leome.

NEW CHAMPION HOLSTEIN IN MICHIGAN.

E MPRESS PRILLY ROSEWOOD, a Holstein cow owned by E. M. Bayne, of Romeo, Mich., has surpassed all former records of butter-fat production for the breed in 305 days as a junior four-year-old, and is declared new state champion by the Advanced Registry. In 305 days she produced 20,746.9 pounds of milk and 650.23 pounds of butter-fat.

SWARDLAND HOLSTEINS.

A LONG the trunk line not far from Blissfield lie the farms of Kinsel & Sons. Their fields are spread out over the best of the rich level land common in that section of the state.

The quality of their neat little herds of Holstein cattle and the businesslike way in which they are handled is worthy of special mention. Well appointed barns, with suitable, not extravagant, equipment are conveniently cattle and their keeper.

The men were not at home on the Saturday afternoon of my call, but I found a pair of wide-awake youngsters who seemed to know Dad's business pretty well, and took pride in telling about the cows, their records and feeds, and in rounding up the slick, well-fed animals before the camera.-Pope.

WILL YOU ATTEND THE WORLD'S DAIRY CONGRESS?

A LL persons who expect to attend the World's Dairy Congress are asked to send in their names to President H. E. Van Norman, of the World's Dairy Congress Association, Star Building, Washington, D. C., as soon as they can possibly do so. The Congress will hold its opening sessions at Washington on October 2-3, adjourn to Philadelphia, Pa., for October 4, and continue at Syracuse, N. Y., from' October 5-10.

In advance of the opening session of the Congress, printed matter is being prepared, such as the abstracts of speeches, which will be available to delegates at the time of registration. In printing these, it is desirable to know for how many requests to provide. Many foreign delegates have already sent in their names.

Committees are at work, planning for entertainment and comfort; so prospective attendants need have no to taking their pens in hand forthwith and getting off their announcement to Washington.

FARMER ANDERSON MEETS NEIGHBOR SPANGLER.

ing machine. He had selected this their milk. You bet your life I see particular morning because it had rain—that point. But I'm going to use the ed the night before and he could go with less interference with his farm work. Anderson was one of those men his mower before he thought of re- cut it out to get the effect of feed.

pairs for it. He wanted it already to go when he was ready.

As he came to Neighbor Spangler's place he saw him mowing his lawn. He pushed out the clutch and applied the brake suddenly and vigorously, at the same time veering his machine just out of the road for it had become a habit with these two men to stop and talk for a few moments, whenever they met. Sometimes it was about current, neighborhood events, just gossip, but usually it was about some question pertaining to their business.

"Say, Spangler, what you going to do about flies this summer? What kind of 'dope' you going to use? Last summer the dope I bought didn't seem to do much good. What did you use?" "I didn't use any."

"That so? Why, man, I thought everyone used some fly repellant now days. It's advertised in all the papers and it makes the cows more comfortable, doesn't it?"

"Yes, it keeps the flies off pretty good, helps about milking. But I got in wrong on that stuff. I was told, and I believed that cows would hold up better on their milk in hot weather if we could keep the flies from tormenting them so much. Then I read that it wasn't the flies that made them drop off on their milk, but because the pasture got short and they didn't get enough to eat.

"Now, Anderson, I'd never thought arranged for the welfare of both the of that. Funny thing, ain't it, but a fellow forgets that dry hot weather cuts the yield of pasture and he's busy and lets her go. Well, when I read that it kinda brought me up with a snub. I made up my mind we'd see about that, so last year I just cut out the fly treatment altogether to make a test.

> "Well, the first thing I did was to put that meadow over there into the pasture. That increased my pasture fully twenty-five per cent, and they kept right up on their flow of milk all through July, but in August they began to shrink, so I begun to feed grain and hay in the barn. My wife said I'd have to buy hay and, by gosh, I did, but we got more milk than we ever did before. Of course, they twitched their tails more when we milked, not having any fly medicine. The cows kept up in flesh, too, better than ever before.

> "I've made up my mind that if you feed your pasture down close in June you got to make it up in some other way, if you get the milk and keep your cows up in flesh. I'll admit I've been careless about this question. I told my wife that that one piece in the old M, F. made me enough money to pay for all the papers in the country."

"What you say is real sensible, peers to me. I've kinda 'let her go Galliger' when we turned to pasture, it's such a relief to git rid of so much work. But I do know, now that you mention it, that my cows dropped off in milk last summer, fly dope or no fly dope."

"Sure they'll do it every time. It's the feed, I tell you."

"Well, you didn't have to put any work into making that hay, either. It's too late now to turn into a meadow for more pasture, they would waste FARMER ANDERSON had to go to half of it, but I'll feed in the barn just town to get repairs for his mow- as soon as they begin to drop off in fly dope, too, you ain't so apt to swear when you milk."

"Oh, understand, I ain't saying anywho didn't wait until he wanted to use thing agin the fly dope, but I had to ed

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BREEDERS of Holsteins are planning a series of tours to start July 24 and to cover twenty-five of the main Holstein counties of the state.

county visiting farms where matters of Holstein interest are to be founda boy's calf, a prominent sire, a wellassociation bunch, a herd of good individuals, cows with creditable A. R. O. or semi-official records, etc. The tourists will halt at noon for basket lunch and a speech or two.

Among the corps of speakers secured for the several counties are D. D. Aitken, ex-president of the National Holstein Association; Earl Cooper, calf club leader, and C. M. Long, manager of field work, both of the Extension Service of the National Holstein Association; E. L. Smith, president, and H. W. Norton, secretary of the State Holstein Association. A. C. Anderson, farmer head of the Dairy Department of M. A. C., etc.

The tours are being arranged by the local Holstein officials and the county agents in cooperation with J. G. Hays, the Holstein field man for Michigan. Full details will be announced later, meanwhile Holstein fans should start grooming the old flivver for the chase.

DAIRYMEN'S LEAGUE HOLD AN-NUAL MEETING.

D ELEGATES representing the sixty-five thousand dairy farmers in the New York area held their annual meeting at Utica, New York, June 21.

The delegates favored the prohibition of the manufacture, sale and importation of oleomargarine and kindred products in the United States the same as the Dominion of Canada in the interest of the health and general welfare of her people has done.

During the past year the gross sales of the association have amounted to over \$80,000,000, an increase of \$20,-000,000 over the preceding year.

The association on April 1, had 64,-351 pooling contracts on hand, and since that date contracts have been coming in at the rate of about 600 a

The treasurer's annual report shows that the assets of the organization amount to over \$19,000,000, of which real estate and equipment make up about \$6,000,000.

The marketing program is now being directed along two lines; first, the development and expansion of the fluid milk business, and second, the development of the evaporated milk business. In the matter of direct sales, the organization reached a new high level on June 13, when 10,257 cans of milk were marketed in New York City. The association has adopted "Dairylea" as the trade name for its dairy products.

The association holds that the big problem yet to be solved is the distribution of milk in the metropolitan district of New York City. Export sales are being promoted. Over 100,000 cases have been sold abroad since January 1. The league milk is now on sale in Germany, England, South Africa, Palestine, Syria, Cuba and Panama.

erated. Of these, forty-six ship milk or cream. Eleven manufacture, case have goods and twenty-five make butter or cheese.

Five veterinarians are employed by the association for examining herds and dairy barns throughout the territory. The central laboratory at Utica keeps a daily check on the character and quality of every product put upon

that the great progress being made by the association arises largely at the production end. Figures clearly demonstrated that there had been a large

HOLSTEIN MEN PLANNING TOURS. increase in the amount of high quality milk being delivered by the dairymen and a decrease in the percentage of milk used for the manufacture of cheese.

Prices for the month of July for The plan is to spend one day in each three per cent milk in the 201-210-mile zone are announced by the league officials as follows: Class 1, \$2.33; Class 2-A, \$2.05; Class 2-B, \$2.40; Class 2-C, arranged barn, a profitable cow-testing \$2.35; Class 3, and the remaining classes are based upon the price of butter.

BACK FIRES.

Do you plan your schedule of work day by day, and as far as possible, live up to it?

Do you have a goal in sight, keep your eye on it, and make your assets, equipment and helpers assist you in reaching that goal?

Do you realize that the man who sat on the log and waited for sweat as a preliminary to work, was entirely outdistanced by the man who hustled after the job and got up sweat doing it?

eterinary.

CONDUCTED BY DR. W. C. FAIR.

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

Acute Indigestion.—I have a mare, about nine years old, that has just had a severe attack of acute indigestion, and her general health is not good, her coat is not fresh. What can I give her to improve her health, also guard against future attacks of indigestion? Also, can a cure he expectguard against future attacks of indi-gestion? Also, can a cure be expect-ed? J. K., Goshen, nId.—Functional derangement of the stomach and bow-els of the horse is very common. When a horse is constantly fed on bulky, coarse food the stomach becomes dis-tended. The distention taking place at the expense of the walls of the stomach, the walls become attenuated, and ach, the walls become attenuated, and when any acute form of disease attacks the stomach, rupture of the viscus is likelier to occur than if the horse had been properly fed, and consequently the stomach in a normal condition. When the food does not digest properly a condition as indigestion becomes established. In a large majority of cases the intestines are involved. Indigestion goes on quickly, the stomach of the animal being very the stomach of the animal being very small in proportion to the size of the small in proportion to the size of the body. This is one of the wise provisions of nature, and allows the horse to undergo more or less severe exertion after a full meal, without any great amount of inconvenience. Simple indigestion is by no means uncommon in the horse, and may be indirectly roused by sharp and projecting ly caused by sharp and projecting teeth, poor quality of food, etc. Acute indigestion is a very common as well as a very fatal disease. A common cause is giving the animal a big feed, and then subjecting him to severe exertion. The exertion of traveling causes the blood to be drawn away from the stomach, where it is needed in the process of digestion. Feeding largely when the stomach is weakened is anwhen the stomach is weakened is another cause of the disease. Sometimes a very slight change of food will cause an attack of acute indigestion. It is important to feed the animal a good quality of food, in proper quantity, at regular intervals. Don't put her to severe evertion immediately after a full vere exertion immediately after a full Eighty-four plants are now being opmeal. It is also a mistake to allow her rated. Of these, forty-six ship milk to drink too much water at a time when working. Avoid the causes I have pointed out. Mix half a pound of bicarbonate of soda, one pound of common salt, and two pounds of Glauber's salt together. Give a tablespoon-

Bone Spavin.—I have a horse eight years old; he came from Montana last fall and I am told he was hurt in car. Lameness seems to be in left hip, very lame when first started, but after working a few minutes he does not limp much. Have never been able to It was emphasized at the meeting find a wound or bruise on this leg and no swelling. G. B., Kinross, Mich.—
Look for small bone spavin, if you find bunch, apply one part red iodide of mercury and four parts lard every ten and substrated that there had been a large

ful in each feed.

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 9 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 8 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 Ballas Minneapolis Oakland



Better Silos-Bigger Profits

The Prosperous Farmer today is the one who is milking cows and feeding stock. Good silage is the most economical feed for livestock and dairy cows. It cuts down cost of production and yields greater profits. World's Standard Kalamazoo Silos make 100 per cent perfect silage. Our Glazed Tile Silos are built of moisture-profits of the Silos have air-tight joints, glazed tile. Blocks have three dead air spaces—deeply grooved, tongued and splined. Shipped resist heat, cold, moisture, vermin, will not burn. No paint, no repairs. Will not warp, decay or blow down. Last a lifetime.

Falama300
Glazed Building Tile**

Modern, permanent, beautiful, economical buildings for your farm. Free information on how to judge tile and how to plan your gaw buildings. Write today,

warp, decay or blow down,
Last a lifetime.

Glazed Building Tile

Modern, permanent, beautifut, economical buildings for your farm. Free information on how to judge tile and how to plan your new buildings, Write today,

KALAMAZOO TANK & SILO CO.; Dept, 223 Kalamazoo, Mich.

COMPLETE DISPERSAL

OF MAPLE AVENUE STOCK FARM HOLSTEINS AT FAYETTE, OHIO, JULY 17, 1923

More animals from this farm have made 30 pounds or more butter, more have been used for foundation stock in new herds than from any other farm in Ohio. 2 great herd bulls, 2 service bulls, 23 cows milking, 23 heifers not bred. Accredited herd. Send for catalog.

I Hope to See You Here.

L. E. CONNELL, Fayette, Ohio.





The Famous Cyclone Dust

J. N. LINT.

Conveyor for threshing machines; also the sliding box Grain Register and Copper Tub Washing Machines. A liberal discount for cash. Write for prices and save Money.

Meyersdale, Pa.

HOGS

O. I. C's and Chester Whites

Gilts sired by Mich. State Fair Gr. Champion 1921, and bred for March and April farrow to Mich. State Fair Jr. Champion 1922, the common sense type and price.

ANDY ADAMS. Litchfield, Mich.

O. I. C. and Chester Whites, Spring Boars sired by Monster Boy, Col. Penby and Hill's Big Buster, Bred gilts all big type reg. free. J. W. Howell, Oyld, Mich.

O. I. C's. Orders booked, for late farrowed spring pigs at \$10 to \$12. each, Registered free. C. J. THOMPSON, Rockford, Mich

O. I. C. Spring pigs, single or in pairs, Pr right. Satisfaction guaranteed, E. C. Badgley, Jackson, Mich. R. F. D. 1.

0.1.C. one last fall boar.10 last fall gilts bred, 100 this spring pigs, recorded free, ½ mile west of Depot. Citz's Phone, Otto B. Schulze, Nashville, Mich. O. I. C. March pigs. single or in pairs, also bred gilts for August farrow, CLOVER LEAF STOCK FARM, Monroe, Mich.

O. I. C's One yearling boar and March pigs.
Young Brown Swiss bull. Milo H.
Peterson, Elmhust Farm, Ionia, Mich. R 2.

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

Bred Liberators Line By Revelation and Peter, The Great, boars. The last word in Poland China Breeding. Bred sows and spring pigs of either sex. Prices right. Vaughan's Seed Farm, Ovid, Mich.

RADIO GIANT

Represents the worlds largest strain of Poland China Hogs. Boars, Sows, Pigs at bargain prices from Mich, pioneer herd. We have bred them big for 30 years. We can furnish what you want JNO. C. BUTLER, Portland, Mich

L. T. P. C.

BOARS READY for service, Spring boars at lon Again) for Sept. farrow. They are priced to sell and shipped on approval. Dorus Hover, Akron, Mich.

Large Type P. C. Largest in Mich.
A few fall pigs for sale. Sired by "The Wolverine" a grandson of "The Rainbow and Big Bob" the greatest yearling boar I ever owned has size combined with quality. Come and see the real kind.
W. E. LIVINGSTON. Parma, Mich.

Large Type P. C.

The Real Kind. A few of those big, smooth, stretchy, bred gilts for sale. Bred for March, April and May farrow. Priced right.

N. F. BORNOR. Parma, Mich

Large Type Poland Chinas

For sale Fall Boars, Gilts bred or open. Herd head ed by two Grand Champion boars, A. A. FELDKAMP, Manchester, Mich.

Large Strain P. C. 2 nice gilts with pigs by side, also pigs at weaning time.
H, O. SWARTZ, Schoolcraft, Mich.

WALLNUT ALLEY Big Type Poland China Boar pigs ready for new homes. Give me a chance to tell you about them. A. D. Gregory, Ionia, Mich. B. T. P. C. Fall Sows, Big Bob and Peace and a son of Alaska. M. C. Mount, Mayville, Mich.

Lone Maple Farm L. T. P. C. Spring pigs ready.
Also yr. boar. Write for description and prices. F. R. Davis & Son. Belding, Mich.

Large Type P. C. Pigs for sale. Reg. quire Sunnyside Farm, Hillman, Mich.

Hampshires A few bred gilts left, Place your boar pig. Pairs ot akin. 10th year.

JOHN W .SNYDER, R. 4, St. Johns, Mich

Handy 8-Inch Pliers

Five-in-One

A tool that will serve you in your repair work. Made from the best grade of open hearth steel. Light, compact, easily carried in the pocket. This tool can be used as a wire cutter, wire splicer, staple puller, screw driver, rod gripdriver, rod grip-per, together with the many uses a plier can be ap-plied to. You will find it a practical article for the auto tool kit.

OUR OFFER. These pliers will be sent you, all charges prepaid, for two subscriptions to Michigan Farmer, at regular rates, each subscription to be for one year or longer. Your own subscription may be counted as one in earning the reward.

Send orders and remittance to The Michigan Farmer, Detroit





GRAIN QUOTATIONS

Tuesday, July 3. Wheat.

Detroit.—No. 2 red \$1.14; No. 2 mixed \$1.14; No. 2 white \$1.14.

Chicago.—July \$1.03\%@1.03\%; September \$1.03\%@1.03\%; December at \$1.06\%@1.06\%.

Toledo.—Cash \$1.13.

Corn.

Detroit.—Cash No. 2 yellow at 91c; No. 3, 90c; No. 4, 88c. Chicago.—July 7878@791/sc; September 74%@743/c; December 62% @62% c.

Oats.

Oats.

Detroit.—Cash No. 2 white 48c; No. 3, 47c; No. 4, 46c.
Chicago.—July 37%c; September at 35%c; December 37%c.

Beans.

Detroit.--Immediate and prompt shipments \$5.95 per cwt. Chicago.—Choice \$7.50; red kidneys

at \$8.15. New York.—Choice pea \$8; red kidneys \$8.

Rye.
Detroit.—Cash No. 2, 68c.
Chicago.—July 63%c; September at
65%c; December 69%c. Toledo.—Cash 66c.

Seeds.

Detroit.—Prime red clover cash at \$10.25; alsike \$9; timothy \$3.30. Barley.

Detroit .- Malting 72c; feeding 68c. Chicago.—62@68c.

Detroit.—No. 1 timothy \$15.50@18; light mixed \$16.50@18; No. 2 timothy \$14@15; No. 1 clover at \$13@14; No. 1 clover mixed \$14@15; straw at \$11@11.50. Feeds.

WHEAT

WHEAI

Wheat prices have declined to the lowest level of the season and almost to the lowest point since pre-war days. Crop prospects have improved recently and unofficial estimates now place the yield at about 20,000,000 bushels higher than a month ago. Canada continues to report prospects of a crop higher than a month ago. Canada continues to report prospects of a crop nearly as large as last year, the Australian drouth has been broken and European weather has become more favorable. Broomhall estimates that exporting countries will have an exportable surplus of 768,000,000 bushels while importers' needs will not exceed 656,000,000 bushels, suggesting a fair factor of safety in favor of the buyer if these conditions are maintained. Producers have sold less new wheat than usual by this time but a rather large after-harvest movement rather large after-harvest movement is almost inevitable as many growers are unable to hold. In the last few days flour buyers have shown more willingness to purchase for deferred slipment and sales for export have broadened since wheat has approached the \$1 mark at Chicago. Some signs indicate that larger export sales are being made than are reported but they have not been large enough to offset the hedging sales of the new crop. rather large after-harvest movement

CORN

Corn prices declined last week, very largely because of better prospects for the new crop. Moisture is ample in nearly all sections and hot weather has forced rapid growth. Industries are buying corn less actively and feeding demand has fallen off, thus neutralizing to some extent the light receipts, and small stocks at terminals.

OATS

New oats will be available before July is over and receipts of old oats and terminal stocks are large enough to prevent any tension. They are selling at an unusual discount below corn.

A few sections report damage to the A few sections report damage to the new crop from recent hot weather.

clover is arriving also. Total receipts are not large. Demand for timothy has declined and prices are weaker on some markets.

WOOL

Opening sales of wool at the London auction which began last week were at a decline of only five to seven and one-half per cent which was better than generally expected. Boston reports a more optimistic tone as a result of the London opening but the market is not strong. In the word of market is not strong. In the west a deadlock exists as most growers refuse to sell at prices which show a decline of five to ten per cent from the peak. In the bright wool states around 46 to 50 cents is the ruling price.

POULTRY AND EGGS

Storage stocks of eggs at the four leading markets continued to increase last week in excess over the same period a year ago so that it is believed a surplus of holdings in the United States of 200,000 to 250,000 cases will appear July 1 as compared with the appear July 1 as compared with the same date last year. Receipts of really fine eggs are becoming smaller which may be a factor in maintaining prices on this grade.

Chicago.—Eggs, miscellaneous 20@20½c; dirties 17½2@18c; checks 17½2@18c; extras 27@28c; fresh firsts at 20½201c: ordinary firsts 19@20c

@18c; extras 21@23c; fresh firsts at 20½@21c; ordinary firsts 19@20c.
Live poultry, hens 21c; broilers 40
@42c; roosters 12c; ducks 23c; geese
20c; turkeys 20c.

Detroit.—Eggs, fresh candled and graded 23½@24c. Live poultry, broilers 45@48c; heavy hens 23@24c; light hens 17@18c; roosters 13c; geese 12c; ducks 20@25c.

BUTTER

Bran \$31; standard middlings \$35; fine do at \$38.50; cracked corn \$41; coarse cornmeal \$39; chop \$35@35.50 per ton in 100-lb. sacks.

Fruit.

Gooseberries, 16-qt case \$1.75; currants, 16-qt case \$2.50.
Strawberries, 16-qt case, Michigan, good \$1.50@2.25.
Cherries, Michigan white \$1@1.25; dark \$2.50; small \$1.50.

cent loss over June, 1922. That the peak of production arrived during the week was the opinion of the trade. Imports of 2,774,000 pounds of foreign butter at New York, weakened that market and kept its prices below those

of Chicago. Prices on fresh 92-score butter on June 30 were:
Chicago 37½c; New York 37½c; Boston 39c; Philadelphia 40c. In Detroit fresh creamery in tubs sells for 35@37c.

POTATOES

The shortage in shipments of new potatoes is still largely offset by a heavy movement from the old crop so that the total market supply is large. Prices have declined further with Carolina Cobblers quoted at \$4.50@5.50.a. barrel in leading cities. Southern Bliss Triumphs are quoted at \$2@3 per 100 pounds in midwestern cities. Southern

PEACHES

Total shipments of peaches from producing sections to June 25 were 1,417 cars compared with 2,788 cars to the same date last year. Georgia is still the pencipal shipper, with Carmens quoted at \$2.50@3.50 per six-lb. basket carrier and Hiley's at \$3.75@4.75 in consuming cities.

GRAND RAPIDS

Early varieties of raspberries began moving to the Grand Rapids market this week. The first cases of reds sold at \$6 each but as the supply insold at \$6 each but as the supply increased, prices worked slightly lower later in the week. Canning factories have been contracting reds at \$2.25 a case and blacks at \$1.75. Sour cherries are in liberal supply with the market ranging around \$1 per case on the market and four cents per pound at canning factories. Sweets are in moderate supply, selling from \$1.25@2.50 per case. Hot-house tomatoes were steady at prices ranging from \$1.40@1.50 per seven-pound basket. Cucumbers were easy at \$1.50@1.75 a dozen. There is a fair demand for poultry during the furniture season but the supply is so heavy that prices poultry during the furniture season but the supply is so heavy that prices have not changed from 18@20c for heavy fowls; 13@15c pound for light;

20@22c for Leghorn broilers, and 30@35c pound for heavy broilers. Eggs were steady at 18@19c.

DETROIT CITY MARKET

Old potatoes have been arriving by rail in increased quantities and as a result the market is a little weakened with prices at \$1.25@1.40 per sack. New potatoes are moving about the same as last week, and the trade is steady to stronger at \$5@6 per barrel. On the municipal markets, supplies are moderate at 70@90c per bushel, with the going prices at 75@80c. The strawberry season will finish this week for the local crop. Prices are up to \$5@7 per 24-qt. case. Cherries are arriving on track and selling at \$1.75@2 per 16-qt. case of Early Richmonds. On the farmers' market they are bringing \$3.50@4 per 24-qt. case. There is a moderate supply of eggs, which are wholesaling at 28@30c and retailing at 30@40c. Hens bring 22@26c wholesale, and 25@30c retail, with broilers at 30@50c. Receipts are moderate and demand good. Veal is in light supply and lower at 14@17c, mostly 14@15c. New cabbage brings \$1.75@2 per bushel; peas \$1.50@2.50; green beans \$4@5.50; gooseberries \$4@4.50 per case; red currants \$4@4.50. Old potatoes have been arriving by

THE FARM BUSINESS OUTLOOK.

The specialists who forecast business trends are still divided in their opinions as to the outlook.

The Harvard Committee on Economthe flarvard Committee on Economics Research is optimistic. It declares that "the business situation remains sound; and we forecast firm or rising money rates for the remainder of 1923. Nowhere is there evidence of a reversal in the trend of the business cycle. After all the important excitations. versal in the trend of the business cycle. After all, the important consideration during the prosperity phase of the cycle is not the short time movement of commodity prices; it is the movement of interest rates. The relatively easy condition of the money market sustains our forecast of good business in 1923."

business in 1923."

The Bokmire Agency says that a high rate of business activity can be expected, at least, up until the end of the present year. It points out that basic conditions indicate a depression early next year, but that some of them are already improving again so that there is now a strong probability that a favorable forecast will be justified a little later on and that the business reaction will not occur.

Moody suggests that plans for the future "should be formulated on the basis of a trade reaction beginning before the end of the present year, and running far into next year," but declares that nothing very serious is indicated.

Babson states that "agents at the says that "agents are the end of the present year," but declares that nothing very serious is indicated.

Babson states that "events of the last two weeks have shaken our faith" and he now forecasts "a sagging tendency in the average of raw material prices in the next few months" and a gradual decline in husiness activity gradual decline in business activity which will be reflected in a period of low prices for industrial stocks which have already dropped about fifteen points from the high point reached in March

Upon certain points opinions are fairly well agreed:

1. That the business reaction if it comes in the next six or eight months will be much less severe than in 1920 and 1921.

2. That retail buying of goods will be maintained at a high rate through the rest of 1923, which implies an excellent consumptive demand for such farm products as live stock, and dairy and poultry products. While the demand for cotton and wool usually de-clines sharply during business depres-sions, these commodities have the ad-vantage of present scarcity.

vantage of present scarcity.

3. That one reason for the termination of the prosperity phase of the present cycle is the fact that agriculture has not prospered proportionately and that prices of farm products being already low may not suffer quite so already low, may not suffer quite so much as prices of finished products in which present high labor costs are so important a factor.

LIVE STOCK SALE.

Live Stock Market Service Tuesday, July 3. DETROIT Cattle.

Cattle.

Receipts 264. Market ste	adv on	good
and very slow on common		0000
Fancy light yearlings	9.25@	9.75
Best heavy steers	8.50@	9.00
Handyweight butchers	7.75@	8.50
Mixed steers and heifers	6.75@	
Handy light butchers	5.75@	
Light butchers	5.00@	5.75
Best cows	5.25@	5.75
Butcher cows	3.50@	5.00
Cutters	2.50@	3.00
Canners	1.50@	2.25
Choice bulls	5.25@	
Bologna bulls	4.75@	
Stock bulls		
Feeders	4.00@	
Feeders	6.00@	
Stockers	5.50@	7.00
Milkers and springers	45.00@9	
V1 0-1		

Veal Calves.

Receipts 429. Market 75c@\$1 higher.

Sheep and Lambs

Receipts 155. Market	steady
Best lambs	\$14 50@15 50
Fair lambs	10.00@14 00
Light to common	9.50@ 9.75
Fair to good sheep	5.00@ 6.00
Yearlings	7.00@ 3.00
	1.00@11.00

Hogs. Receipts 1,382. Market 25c higher. Mixed hogs and porkers......\$7.50

CHICAGO

Receipts 24,000. Market active on better grades, 15@25c higher; plainer grades slow; bulk good and choice 160 HAY

With new crop alfalfa and prairie hay coming on the markets, prices are adjusting to a lower level. Some new

(250-lb average mostly at \$7.25@7.35.

Tops at \$7.40; 260@350-lb average butchers \$7.10@7.20; packing sows at \$6.25@6.50; strong weight pigs active at \$6.40@6.90.

Receipts 5,000. Market active, generally 15@25c higher on most killing kinds. Tops matured steers at \$11.50; weight about 1,400-lb yearlings, showing relatively most advance, in between grades numerous \$9.50@10.50; others about steady. Calves 25@50c higher at \$10@10.50.

Sheep and almbs.

Receipts 4,000. Market active. Fat lambs steady to strong. Sorting light bulk good natives \$15.50@15.75; culls \$8.50@9. Six double decks of prime Idahos \$16.50. Bulk medium weight cover \$5.06.50; evtenne heavies downewes \$5@6.50; extreme heavies downward to \$3.50.

BUFFALO

Cattle.

Receipts 80 cars. Market 25c lower. Prime shipping steers at \$10.75@11; good choice shipping steers at \$10.00 10.50; heavy fat, medium quality \$9.01; medium to good \$9.50; light native steers force quality. (a)10; medium to good \$9@9.50; light native steers, fancy quality \$10.50@ 11; medium to good \$9@9.50; best handy steers \$9@9.50; plain \$8@8.50; handy steers and heifers and grassers \$7.50@8; western heifers at \$7.50@8; light Michigan butchering heifers \$2.50@8; \$7.50@8; western heifers at \$7.50@8; light Michigan butchering heifers \$8.08.50; best fat cows \$6.50@7; medium to good \$5.50@6; grazing \$3.75@4.25; cutters \$3.75@4; canners, good weights \$2.50@2.75; best fat bulls at \$6@7; light fat bulls \$6.50@7; heavy bologna bulls \$4.50@5; feeding steers \$6.50@7.50; stockers \$5.50@6.50; milkers and springers \$65.0125.

Hogs.

Receipts 60 cars. Heavy at \$7.65@ 7.75; mixed and yorkers \$7.70@7.85; pigs \$6.75@7.

Sheep and Lambs.

Receipts 15 cars. Market is strong.
Top lambs \$15.50@16; yearlings at \$9
@12.50; wethers \$7.50@8; ewes \$4@
6.50. Top calves \$12.

July 17-L. E. Conell, Fayette, Ohio.

30@ Eggs

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BEANS.

T has been announced by the Cenplea of the Michigan Bean Jobbers' Organization for a reduction in the stop-over rate charged for inspecting beans at Grand Rapids, Saginaw, Port Huron and Detroit has been heard and the rate reduced from \$6.30 to \$2.70 per car. Under this new arrangement, the six bean inspectors in the state will find it less difficult to examine shipments since all cars can be routed through one of the four terminals for inspection service.

EXCEEDS LAST YEAR'S SHIP-MENTS.

THE sales of potatoes made by the Michigan Potato Growers' Exchange this season will reach the 3,000 car mark, or about 500 more than last year. A uniform and healthy growth has marked the whole history of this big commodity organization.

OPENS OFFICE AT EDMORE.

THE Michigan Potato Growers' Exchange has opened a branch sales office at Edmore to take care of the rapidly increasing business from the Montcalm-Mecosta territory. George Wager, a well-known potato buyer and salesman, has been engaged for branch manager.

RULING A BLOW TO CONTRACT TRUCKING.

T HE opinion reently received by the State Public Utilities Commisholds that contract trucks must operate under the provisions of the common carrier act passed by the last legislature. The attorney-general contends that the operators of contract permits, pay the necessary fees and ing for all kinds of weather.

REDUCE INSPECTION RATES ON be subject to common carrier regulations. Owing to the large number of farmers and other people interested in this opinion, it is expected that a com-T has been announced by the central Freight Association that the plete code of regulations to govern motor vehicle carriers will be drafted by the commission soon.

ELECT DIRECTORS OF LAND BANK.

THE Federal Land Bank of St. Paul has finally reached a permanent basis as contemplated in the federal loan act through the recent reorganization, the election of officers and appointment of directors. The district directors are: E. G. Quamme, H. K. Jennings and Paul A. Preus; director at large, B. F. Faast, Wisconsin; director for the third division, Michigan Mount Pleasant, Michigan. It is anticipated that with this organization, more interest and more satisfactory

Special Notice

All advertising copy of the classified Department must reach this efficient tended for the Classified Department must reach this efficient tended for the Classified Department must reach this efficient days in advance of publication date. and Wisconsin, E. J. Van Leuven, of more interest and more satisfactory results will be secured. The total resources of this bank are now over a hundred million dollars, making it the largest financial institution in the northwest.

MR. PUGSLEY RESIGNS.

M R. CHARLES W. PUGSLEY, for the past two years assistant secretary of agriculture, has tendered his resignation, effective October 1, to become the president of the South Dakota Agricultural College.

In his letter of resignation, Mr. Pugsley said he felt he had made his contribution toward efficient, businesslike administration of government affairs. One reason pointed out by Mr. Pugsley for his resignation was the sion from the attorney-general's office, insufficient salary, which was not enough to enable an assistant secretary to serve long without other in-

None of us can control the weather, trucks must secure common carrier but we can have jobs ready and wait-

CLASSIFIED ADVERTISING

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

Rates 8 cents a word, each insertion, on orders for less than four insertions; for four or more consecutive insertions 6 cents a word. Count as a word each abbreviation, initial or number. No display type or illustrations admitted. Remittances must accompany order.

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

Rates in Effect October 7, 1922 30... 31... 32... 33... 34... 35... 36... 37... 38... 39... 40... 2.64 2.72 2.80 2.88 2.96 3.04 3.12 3.20 3.28

MISCELLANEOUS

LEAF TOBACCO, five pounds chewing \$1.75; ten, \$3.00; twenty, \$5.25; Pre pounds smoking \$1.25; ten. \$2.00; twenty, \$3.50. Pipe and Recipe free. Send no money, pay when received. United Tobacco Growers, Mayfield, Ky.

TOBACCO—Natural Leaf, 4 years old. Satisfaction guaranteed. Chewing, 5 pounds \$1.50. Smoking. 5 pounds \$1.25. Second grade smoking 6 pounds \$1.00. Pay when received, including postage. Cob pipe free. Hancock Pool, Hawesville, Kentucky.

TOBACCO—Extra Smoking, 5 lbs., \$1.00; 10 lbs., \$1.50; 20 lbs., \$2.75. Chewing, 5 lbs., \$1.50; 10 lbs., \$2.75. Quality guaranteed. O'Connor Smokehouse, S-133, Mayfield, Ky.

ONE STATION WAGON for sale, good as new—exactly what you want to go to town—four heavy draft horse harnesses. Inquire Voight Milling Company, Grand Rapids, Michigan.

MONEY TO LOAN ON FARMS, 6% interest. No commission. No mortgage tax. Security Mortgage Corporation, 1018 Majestic Building, Detroit.

ELECTRIC PLANT-for sale, Silent Alamo, 120 Lights. Good running order, Fred Stein, R. 2, Box 130, Inkster, Mich.

WANTED—A good Farm Lighting and Power Plant. Eli Lindsey, Delton, Michigan.

BUSINESS OPPORTUNITIES

FOR SALE Up-to-date Meat Market, will sell or lease the building for same. Doing a good business, reason for selling is on account of health. Box 352, Mason, Mich.

GERMAN Shepherd, Airedales, Collies; Old English Shepherd dogs; Puppies; 10c illustrated instructive list. W. R. Watson, Box 35, Macon, Mo.

RATTERS—Hunters, Watch and Stock Dogs puppies a speciality. Carl Poos, Dearborn, Mo.

FREE to Dog Owners—Polk Miller's famous dog book, 64 pages on care, feeding, training, with ailment chart and Sen. Vest's celebrated "Tribute to a Dog," etc. Also full list Sergeant's Dog Medicines, the standard for 44 years. Just send your name and address. Our free advice department will answer any question about your dog's health free. Polk Miller Drug Co., Inc., 119 Governor St., Richmond, Va.

POULTRY

RHODE ISLAND REDS—Rose Comb Cockerels, hen-hatched, farm raised, Big, thrifty dark colored birds from prize winning strains, \$4 to \$7.50. Two specials at \$10 each. Careful attention to mail orders. Bidwell Stock Farm, Tecumseh, Michigan.

S. C. BLACK MINORCAS, Northrup Strain, Heavy Stock Eggs, \$1.50 for 15; \$8 per hundred. Baby Chicks \$20.00 per hundred. C. J. Deedrick, Vassar, Mich.

PULLETS—English White Leghorns, eight to ten weeks old. Write for latest prices. Pine Bay Poultry Farm, R-4, Holland, Mich.

S. C. BUFF LEGHORNS. Old and young stock for sale. Willard Webster, Bath, Mich.

BABY CHICKS

BABY CHICKS. 15 Leading varieties. 2½ Million for 1923. The kind that lay early. Large, vigorous, fluffy kind. Lowest prices. Send for large catalog. D. T. Farrow Chickeries, Peorla, Ill.

QUALITY CHICKS, prices cut. Leghorns, 100; Rocks, Reds, Orpingtons, Wyandottee, 12c; Assorted, 9c. Prompt free delivery. Catalog. Missouri Poultry Farms, Columbia, Mo.

BABY CHICKS—Six leading varieties, Reduced prices for June. Special attention to small orders, Free catalog, H. H. Pierce, Jerome, Mich.

BABY CHICKS—White Wyandottes, White Plymouth Rocks, Barred Rocks, Buff Rocks, Buff Orpingtons, R. I. Reds, White Leghorns. Durand Hatchery, Fen-ton, Mich., Box 404.

STERLING QUALITY CHICKS—14 varieties. Strong liveable chicks. Catalog free. P. F. Clardy, Box 6, Ethel, Mo.

SELECTED CHICKS from best strains. Extremely low prices after May 25th. Write for circular and price list. Litchfield Hatchery, Litchfield, Mich.

HELP WANTED

WANTED—Man and Wife for Farm, 90 acres; First class field crops; Jersey Cows; 12 acres orchard. Man competent to take charge of work. Permanent position for capable people who can give references. State Farms Association, Kalamazoo, Michigan.

BY P.P.POPE

so much trouble as we have these it both ways. days. At least I hope not. It has been just one thing after another for a month past, and "the greatest of these" is waiting for repairs to come. Delays of five to ten days each time than we had counted on. Hence, we be allowed to mature its seed. are, as one of the neighbors put his

case recently, "hopelessly behind." of plans that will mean the cutting of some fifteen acres more hay, and the summer fallowing of one field that we be late all around.

Dragging the Alfalfa.

seed. It was sown in the spring of

of well-nigh pure alfalfa on the better moving the crop we have set the fare of future generations.

DON'T suppose any one else has spring-tooth harrow deep and dragged

It does not look much like an alfalfa field now, to be sure, but we surely have headed off a lot of grass and weeds that otherwise would have offered rather stiff competition to the repairs had to be ordered, was more oncoming crop of alfalfa which will

An Abundance of Grass.

In a drive across country the last It will no doubt result in a change week we have been much impressed with the wealth and profusion of the earth's natural covering of grasses. Through the counties of Ogemaw, had intended to plant to beans. By Gladwin and Clare there will be thouso doing we should be able to keep the sands of acres and thousands of tons rest of the work up in fairly good of rich grasses and clovers that will shape, and in the end come out as go back to the land this season. Not well or better than if we should insist all of the abandoned acres in this teron carrying out the original plans, and ritory are productive of rich grasses, to be sure, but there are extensive areas that are, and there is surely We have a small plot of Hardigan some way that they can be utilized alfalfa that we have been growing for with profit.

It looks to me like a grazing propo-1922 with seed furnished by the Mich- sition, pure and simple, and the man igan Crop Improvement Association. who can solve the details of the prob-The soil where it was sown is very lem, will find in much of this northern variable and we are learning some val- county a chance to convert enormous uable lessons from watching its devel- quantities of these rich grasses into opment on the different types of soil. prime beef, and milk, and wool, and There has been a prodigious growth mutton. He should see to it, however, that it is prime beef and not scrub land, with a more or less generous ad- beef that is used in the conversion mixture of other clovers, grasses and process; otherwise, the grass may even weeds on the spots not so suit- serve mankind better to return to the able to alfalfa. After cutting and re- land, and thus enrich it for the wel-

The Real Estate Market Place

RATES For Real Estate Advertising On This Page

35c a line per issue on 4 time orders 40c a line per issue on 1 time orders

Special discount given when used in combination with 7 other Capper Publications. Write for special real estate advertising rates on these papers which reach over a million and a half families

65 Acres, Horses, Cows, Poultry,

Growing Crops, Implements.
Twenty minutes drive to 2 large market towns, mail delivered, 52 acres productive loamy tillage, 13 acres wood and stream watered pasture, several hundred cords wood, milk and cream collected, 6 room house, granary, tool shed, aged owner must retire, includes 2 horses, 3 cows, 3 caives, 125 poultry, farm tools, 10 acres oats, 9 acres corn. 4 acres beans, 3% acres potatoes, 2 acres millet hay, etc., Price \$3700, small cash payment, possession at once. Write or see L. E. LOTT. Elmdale, Mich., or MICHIGAN FARM AGENCY, 628 Ford building, Detroit.

So. Mich. Resort Section 40 Acres Equipped \$2500

All growing crops, including 6 acres rye, 4 acres corn, hay, potatoes, vegetables, also 3 horses, 4 cattle, poultry, implements, tools, go to quick buyer; near town, convenient Chicago and South Bend, 1100 feet elevation, many lakes; 35 acres tillable, variety fruit; 6-room house, etc. To settle affairs \$2,500 gets all Easy terms, Details page 18, big filus, Catalog, Copy free, STROUT FARM AGENCY, 427KH Marquette Bldg., Chicago, Ill.

FARMS-SUNNY SOUTHERN JERSEY Many bargains Out. Copy Free. Stocked and equipped. Some require only \$500 cash. Income producing homes. Vineland Farm Agency, 549 A. 1, Landis Ave., Vineland, N. J

Farm for Sale, 122 Acres 3 miles from Lansing. Best of soil and buildings. Equipped with stock and tools. Not able to farm, must see ped with stock and tools. Not able to farm, must sell S. W. HEMPY, Owner, Lansing, Michigan. R. 7.

Sell Your Farm by my quick and easy buyers. Send for particulars. Albert J. Shirley. Box 386. Kalamazoo, Mich.

FOR SALE 120 acre farm 1/2 mile from fences, Write or see owner. MRS. S. McINTOSH, Onaway, Mich.

25 ACRES in Ferry to Sell or exchange for Automobile. Consider anything but an Overland. D. Ward, Ada, Mich, R. 4.

Send for new land bargains. We have what you want. Jenkins and Jones. Ava. Mo.

PAY NO ADVANCE FEE; don't give option or tie up real estate for any kind of contract without first knowing those you are dealing with are absolutely honorable, responsible and reliable.

65 Acres, Horses, Cows, Poultry,

Own a Farm In Minnesota Dakota, Mon. or Oregon. Crop payment or easy terms. Free literature. Mention state. H. W. Byerly, 71 Northern Pacific Ry., St. Paul, Minn.

Poor Man's Chance \$5 down, \$5 month-productive land near town. Some timber. Price \$225-Other bargains. Box 425-Z. Carthage, Mo.

80 Acres Improved \$65 per acre \$1000 cash. 160 acres improved \$87.50 per acre \$1000 cash. THE ALLEN COUNTY INVES THENT CO., Iola, Kansas.

CASH YOUR PROPERTY QUICKLY, location immaterial. Give best price. Universal Sales Agency, Box 43, N. Topeka, Kans.

Want to hear from party having farm for sale.

JOHN J. BLACK, Capper St., Chippawa Falls, Wis.

IF YOU WANT TO LIVE in California write Kings merce, Hanford, California, for free booklet.

FOR SALE Southeastern Colorado — irrigated and non-irrigated farms and company, Lamar, Colorado. Gregg Realty

Sell your property quickly for cash, no matter where located. Particulars free Real Estate Salesman Co., 515 Brownell, Lincoln. Neb

FOR Rent.-Farm, furnished, 115 acres, good build-ings, fruits, meadows, joining Rabysiding on Inter-urban two miles East Lansing, Mich. fall posses-sion, Arnold, Box 54, Lansing, (or might hire)

Farm Wanted Near school; at spot cash price. Mean business. Fuller, Wichita, Ks.

Farm Wanted, Immediately. Send particulars, Mrs. BALDWIN, 1931 Forest, St. Louis, Mo.

Wanted to hear from owner of farm for sale Mean business, J.W. Houck, Tiffin, O.

WANTED buyer for improved Irrigated Farm

RY a Michigan Farmer Classified Liner—They cost little and bring big results.

RURAL HEALTH By Dr. C. H. Lerrigo

SCARLATINA IS SCARLET FEVER.

WANT to point a moral by citing a case of "scarlatina" that has just been brought to my notice. The little chap did not seem to be very ill, and the parents were very much relieved when a "friendly" doctor said it was only scarlatina and would not amount to much. A week later the child had a very bad earache. After much suffering the ears began to give out a running discharge. The pain was somewhat better so they were satisfied to call the friendly doctor on the telephone and receive his assurance that no treatment was necessary and everything would be all right.

Everything was not all right. Six weeks later the ear discharge was still running. A little relative who visited at the house for a day went back to his home and developed a malignant form of scarlet fever. The doctor in charge, searching carefully for the origin, got word of this scarlatina case with the running ears and was easily able to connect his case with that. Then the parents woke to the fact that the "friendly" doctor had done them a very unkind deed, indeed. They were still more positive of this when investigation by an ear specialist showed that the untreated discharge from their boy's ears had resulted in such destruction that he would always be very deaf; perhaps totally.

Never neglect an ear discharge. Do not attempt to treat it yourself as you are likely to do more harm than good, but get good treatment. An ear discharge that originated in scarlet fever is contagious long after all other signs of the illness have disappeared. There is no such separate disease as "scarlatina." Light forms of scarlet fever are sometimes given that name, but they should be called by their true name so that they will be given the quarantine and the attention that such a dangerous disease always demands, no matter how light may seem to be the attack

RUNNING EAR.

My boy has a running ear following earache. How often should I syringe it? Is once a day enough?—J. F. G.

No. Don't syringe it at all. The discharge indicates a ruptured ear drum. If left alone it has a good chance to heal, but the use of a syringe breaks down the repair tissue. If the ear continues to run, after an interval of a week or two, be sure to take the boy to an ear specialist. His hearing may depend upon it.

RED NOSE.

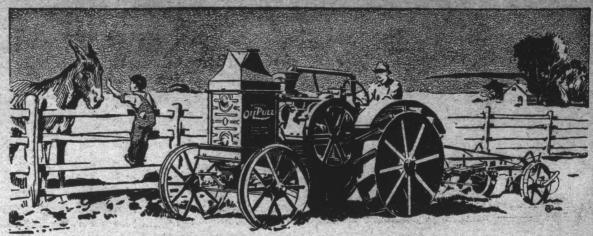
I am going to ask you about my ose. It has had little festers or sores on the inside for eight or nine years; sometimes so sore can hardly touch it, and gets all red on outside. Please let me know what to do for it.—H. B.

After so long a time I scarcely expect that you can clear this up by home treatment. It is a chronic infection such as should have been easy enough to handle in the early days. Get a good antiseptic ointment such as borated vaseline and use freely in the nose. If good results are not prompt go to a nose specialist. He may have to apply stronger remedies than would be safe in your own hands.

CORRESPONDENCE.

Please send me the address of B. B as I wish to write her.-Mrs. A. R. D. Such requests are frequent, but I must remind readers that letters to this column are distinctly confidential in character, and therefore destroyed

as soon as answered.



Like the old gray mule -they never die"

Mr. Wesley Overton, Bridgeport, Oklahoma, owns four OIL-PULLS. In a recent letter he says, "I have put these OIL-PULLS in places where a good horse could not go and they pulled out easily. They are a good investment. I have never found an OILPULL in the scrap pile. They seem to be 'like the old gray mule—they never die."

Long life is only one result that comes from the careful building of the OILPULL. Letters received from every section of the country mention this. But there also are thousands of other letters which point out the unusual dependability—the great saving in fuel—the remarkably low upkeep cost—farmers are experiencing. All are largely the result of Triple Heat Control, dual lubrication and other OILPULL features. We have pointed these things out to you for some time. These letters give the verdict of the farmer himself-the man who has used the OILPULL and knows from experience.

Write for letters from your district

No matter where you are located we can send you letters from your district—maybe from neighbors—who have used and proved out the OIL-PULL. Read these letters. They are interesting. They are convincing. They tell the story of the OIL-PULL from YOUR side. Just ask us to send along the letter. We will include our new booklet on Triple Heat Control and other interesting literature.

"The Cheapest Farm Power"

ADVANCE RUMELY THRESHER CO., Inc., La Porte, Ind.

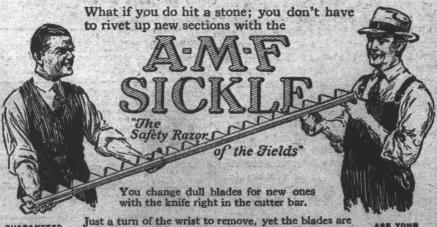
Battle Creek, Mich. Dept. C

The Advance-Rumely Line includes kerosene tractors, steam engines, grain and rice threshers, alfalfa and clover hullers and motor trucks Serviced through 33 Branches and Warehouses





You Change Blades Right in the Machine



locked so tight they cannot come loose. You keep a "dozen" package of new blades in your tool box, and keep your mower working.

American Machine & Foundry Co., 511 Fifth Avenue, New York

One reason for OilPull long life No boiling-no evaporation in hottest weather-goes indefinitely without

weather-refilling.

Oil Cooling-

No freezing in coldest weather—no need of ever draining radiator. No deposit of scale or sediment—circulating system always open-

Oil is a preservative—prevents rust-ing—the OilPull radiator lasts as long as the tractor,

as the tractor,
The OilPull oil-cooling system automatically keeps the motor at the right temperature at all loads—warm for low loads—increasingly cooler from half load to full load. The harder the OilPull works, the cooler it runs.

No cooling fan is necessary—no loss of power—no belt troubles.





