The Only Weekly Agricultural, Horticultural, and Live Stock Journal in the State.

DETROIT, MICH., SATURDAY, JUNE 22, 1918

Is Your Hired Man Sitting on the Fence?

NE of the outstanding developments in the agricultural world within the past few years has been the introduction of the specialist the man trained to do a particular thing in the most effective and efficient way in which it is possible for that thing to be done.

Of course, there has been the usual number of tenacious adherents to the customs of yesterday who have turned their backs on these newcomers-forgetting that it has been the employment of just such highly trained men as these that has enabled big business to make the rapid strides as it has in America. But the expert is here to

most of Michigan the general run of most agriculturists, and this includes the whereabouts of these men and the tle familiar with the opportunities character of their work.

A concrete incident from Kent coun- ance from the college and the state. ty will serve to illustrate: Harvey Johnson was lord and master over a sists that about all the college does is farm in Kent county-a well-groomed produce graduates-whereas its work place, with three hundred broad, roll- is threefold, for besides educating stuing acres of thoroughly fitted land, ev- dents it maintains as well an experiery building and animal bespeaking ment station for the working out of able management.

But even so, Johnson was not wholly service for aiding the farmer directly.

content. His wheat, he observed, was yielding only fifteen to twenty bushels to the acre, while one of his progressive neighbors with an almost identical type of soil was securing yields of twenty-five bushels or better. For some reason Johnson found he simply couldn't bring up his yields, even with liberal manuring and planting of superior strains of grain.

"Must be something else lacking in the soil," he finally concluded.

Johnson had fallen into the habit, when confronted with problems somewhat beyond the reach of his own extensive farm knowledge, of taking up matters with the college. So now he gathered up a number of typical examples of his soil, placed them in bottles and forwarded them to the soils' department of M. A. C. for examination.

"About all your land needs," the department wrote back in a few days, "is a good dose of lime."

was two years ago. Last year the col- the country will find it most conven- forming you that your crop is suffering a letter to the office of farm managelege received this message from him: ient to become acquainted.

to the acre." is by any means an average farmer. with another question: "How can a plants can be saved, he at least can ics, and if you will take the matter up

HE man you employ ought not to waste time chatting with a passerby when he should be working. That is not treating you right. If, on the other hand, your hired man sits on the fence because you have failed to give him work, then you are at fault. The state has provided a corps of men who are specially qualified to help farmers with difficult tasks. Now the man who can help you may be holding down the top rail because you have neglected to issue working orders. Remember, "He that asketh not receiveth not."

These newcomers have arrived upon for in the course of much traveling which exist for the securing of assist-

In some quarters the idea still peragricultural problems and an extension

of submitting a soil sample to M. A. C., find yourself doubled up with a pain with which you are unfamiliar, you the scene so recently, however, that in about the state I have learned that call in the family doctor. If you are a farmer and stroll into your potato farmers are still unacquainted with many a prosperous farmer, are but lit- patch some morning to find your tuber plants in a bad way, it is possible to make use of the extension service of the college by calling in the plant pathologist (plant doctor) or by submitting the brand or trade name of the feed. to him a few diseased plants. In such with the name and address of manufaca case all that would be necessary turers. The same can be done with would be to wrap up a few of the plants fertilizers. This one department of the in a box and mail them to the De- college through its work in this field.

pathologists examine them, and in a other agency created for the protec-

which will enable you to protect your potatoes in the future.

This is only one way in which the college and the extension service can be used. If you are a dairyman with a number of feeds on hand and you are undecided just what mixture of them would make the best balanced ration, an inquiry addressed to the Dairy Department of M. A. C. will probably secure you the information you desire

In fact, expert advice can be obtained from the dairy and animal husbandry men of the college on almost any question bearing upon the breeding and feeding of live stock, whether the animals be dairy or beef cattle, or sheep and swine.

Or if you are considering purchasing some commercial feed and are doubtful about its exact feeding value, it is usually possible to obtain its "pedigree" from the chemistry experiment station by mailing to Prof. A. J. Patton partment of Botany, in East Lansing. has probably saved the agriculturists Upon receiving the specimens, the of the state from more frauds than any

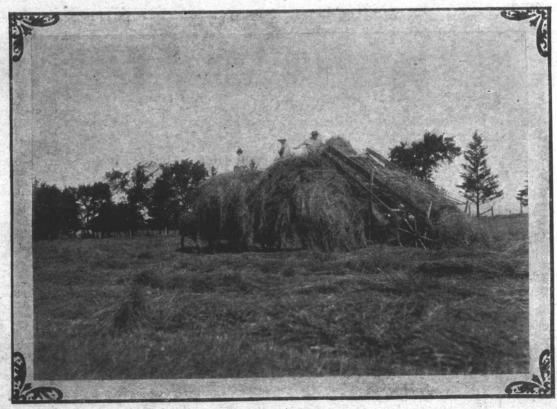
tion of the farmer.

Occasionally it is not feed and fertilizer problems that concern the countryman so much as it is insect pests-maggots in the beans, grubs in corn, or flies in the wheat. For dealing with insect enemies of agriculture, the college maintains a corps of men who are members of the department of entymology. If the scale is becoming too populous in the orchard, or the web worm is taking too many liberties, a letter to the entymologists will bring a prescription which as a rule is sufficient to induce the unwelcome visitors to forage elsewhere.

In truth, the services which the college has developed and placed at the disposal of the farmer are almost without end. If a poultryman desires to secure a demonstration of the practice of culling his flocks, a demonstrator is obtainable; if a farmer wishes to learn a method of farm accounting that will enable him to put his

from blackleg, rhizoctonia, wilt, or any ment will bring results; if the farm is "My yields have jumped five bushels How can the extension service be one of the many affictions to which the a little wetter in spots than is desirused? A query of this kind might be potato is susceptible. If the pathol- able, pointers on drainage can be had Now it can not be said that Johnson answered in a typically Yankee fashion ogist can not tell you how the sick from the department of farm mechan-

(Continued on page 745).



Haying Time

If he was, he would never have thought physician or lawyer be used?" If you usually place you in possession of facts

Johnson acted on the suggestion—that It is with this service that dwellers in day or two a letter will come back in- business upon a more up-to-date basis,

The Michigan Farmer

The Lawrence Publishing Co. **Editors and Proprietors** gress St. West. Detroit, Michigan TELEPHONE MAIN 4525. Congress St. West.

YORK OFFICE—381 Fourth Ave. (GO OFFICE—111 W. Washington, Street, ELAND OFFICE—1011-1015 Oregon Ave., N.E. DELPHIA OFFICE—261-263 South Third St.

LAWRENCE LAWSON LITTELL ...

I. R. WATERBURY..... Business Manager

TERMS OF SUBSCRIPTION: All sent postpaid.

Canadian subcription 53c a year extra for postage.

BATES OF ADVERTISING per line agate type measurement, or \$8.30 per agate lines per inch per insertion. No adv't for less than \$1.35 each insertion. No objec-advertisments inserted at any price.

Standard Farm Papers Association and Audit Bureau of Circulation.

Entered as second class matter at the Detroit, Michigan, post office.

DETROIT, JUNE 22, 1918



CURRENT COMMENT.

Food Administration Results.

stuffs in this country, in order that we community is to be found a satisfac- his business most economically and might more effectively sustain our Eu- tory line of labor-saving equipment up- profitably. The farmer who anticipates ropean Allies and the starving people on different farms. One farmer will his future needs and orders material of Belgium and other lands, to provide have a fairly complete line of labor- or equipment to satisfy them months for our own soldiers overseas and to saving equipment for some special line in advance of his actual requirements keep prices steady and the flow of dis- of production in which he has engaged will be far ahead of his more dilatory tribution even that the poor at home as a specialty. Other farmers in the neighbor in the ultimate results semight be fed; in a word, to make every- same community will have other fairly cured. one's effort count the most for winning complete lines, due to the fact that the war for freedom, little information they have specialized in other direc-

formation, which will enable the people efficiency, but which they have been discussed generally, as proof of such of the country to judge more accurate- unable to afford, due to its high initial decadence. His deduction, we think, is ly with regard to the benefits derived cost as compared with the number of entirely wrong. Instead of these prob-

market is \$0 parently a large part of this difference which we are engaged. is due to a reduction of the margin beis sixty-four cents.

try have been twenty-seven per cent tablished charge for the use of such higher than last year, while the prices to the housewife buying in the market have been thirteen per cent less than hast year. The greatest achievement will encourage rather than tablished charge for the use of such higher than last year, while the prices equipment will encourage rather than discourage its community use, since for intervention in Russia by an interpolation of this kind, where they would not did army.—In the drive between of war materials is suspected by the last year. The greatest achievement ment of this kind, where they would not did army.—In the drive between department of instice.

While the Food Administration has munity basis. undoubtedly made some mistakes and while in some directions their activi- quire expert handling for best results by producers of food stuffs, yet that the this equipment have the man power at have been accomplished is a matter a public service by operating same for for congratulation to the country as their neighbors at a reasonable charge. food administration work who are giv- will be most helpful to a large class of ing freely of their time and ability for farmers in every community and to its accomplishment.

ment of the Food Administration would seem to settle the point that the necessary results have been accomplished Early Shopping this issue will be with a minimum of hardship to producers and a maximum result in the curbing of profiteering.

Community Cooperation.

ly inadequate to relieve the situation. of our farmers may be satisfied.

Greater efficiency in the use of man ery farm operation. Few farms are of Christmas goods. Since the United equipped with a full line of labor-sav- was adopted largely for the conven-States Food Admin- ing machinery for the performance of ience of distributors. Early shopping istration was estab- every farm operation in which such should be made the slogan now as a lished as a war pol- equipment could be used to advantage, means of insuring the consumer the icy to aid in the conservation of food On the other hand, in practically every goods which he may need to carry on as been given out as to the actual tions. A few of the less fortunate or A Pessimist. ful social strata to which besults which were being accomplished. Fore-handed farmers will be handicapour people have declined and our people have declined. The Austrian offensive in northern ped by not having special equipment and cites the many unsolved social and Italy with an enormous number of the condition of any kind which would add to their economic problems which are being troops involved fails to force back from the condition of the condition of the less fortunate or A Pessimist. Full social strata to which are being sunday, June 16.

The Austrian offensive in northern of any kind which would add to their economic problems which are being troops involved fails to force back. From the condition of the results which were being accomplished. fore-handed farmers will be handicap-

shipment was 20,000,000 bushels, the conditions for every farmer to pur-estimated surplus of wheat for export chase all of the labor-saving equip-a desire to correct unjust methods, an land.—Twenty-eight U-boats have been estimated surplus of wheat for export chase all of the labor-saving equip-accumulation of a surplus moral en-sunk by our sailors.—Great Britain actual shipments up to June, 1918, ment which he could use to advantage accumulation of a surplus moral enwere 120,000,000. The ordinary exports in the various operations on his farm, of beef have varied between 1,000,000 it is entirely possible and practical for because the consciousness of her not of beef have varied between 1,000,000 it is entirely possible and practical for because the consciousness of her peoand 2,000,000 pounds monthly, while the farmers of any given community to ple has not been aroused to realize the the largest exports for a single month have a complete line of such equipduring the present year were 87,000,ment. Good war-time economy delive—conditions which would haunt the
mind of the meanest American. We
may well believe that this evidence
may while the largest exports for a single month have a complete line of such equiplive—conditions which would haunt the
mind of the meanest American. We
may well believe that this evidence
marks an advancement rather than a
live and statished the largest exports for a single month
have a complete line of such equiplive—conditions under which those people
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marks an advancement rather than a line of such equiplive—conditions under which those people
live—conditions under which the Austrians in the big drive in the Austrians pounds monthly, while the largest ex- during the season in order that it may marks an advancement, rather than a ports for a single month this year were increase the man power efficiency, and decline in the tendency of our society. thus not only aid in solving the farm One year ago the price of flour on labor problem for that community, but the Minneapolis market was \$16.75 per as well add to the production of food barrel, wholesale, while the present which will be an ever-increasing factor 80. Ap- in the winning of the great war in

Farmers having special lines of latween the price of the farmer's wheat bor-saving equipment will be performand the flour made from it. One year ing a public service by offering their ago this margin was \$5.68 per barrel, neighbors the use of this equipment at while at the present time the margin a rental which will cover the wear and tear on same, and will pay a reasonable In general, according to the Food interest on the investment. Such Administration's statement, prices to charges should be made as low as is the farmer in the markets of the coun- practical, but on the other hand, an es-

tion, however, is in the maintenance of tous use of same. This is a question army seven and one-half miles.our European Allies at a time when which could be profitably discussed in

Some types of farm equipment reresults shown in the above statement their disposal, they will be performing well as to Mr. Hoover and his aides in A community cooperation of this kind the nation and the world in increased The last declaration in the state- food production in the present crisis.

> In another column of found an appeal to a Safe Rule. the farmers of the

country to place their orders for fertli izer requirements at the earliest pos-One inevitable result of sible date, to the end that fertilizer our participation in the distributors may be in a position to crworld war has been a der their goods early and get them defurther draft upon farm livered before the freight congestion ident Wilson. labor, thus making critical what was which will come with the movement of already a serious problem. While the this season's crops. The government of the latest German drive efforts to relieve the situation by the repuirement for loading cars to their is spent while the Allied troops are redirection of city labor toward the utmost capacity as a means of conserving territory near Montdidier.—President Wilson expresses the hope farms have been helpful, particularly ing shipping space is an added reason that the senate will pass the woman's through the United States Poys' Works why endows should be placed early in through the United States Boys' Work- why orders should be placed early in ing Reserve, yet they have been whol- order that the fertilizer requirements

What is true of fertilizer is true in

A reader laments the awhas been given out as to the actual tions. A few of the less fortunate or A Pessimist. ful social strata to which

Food Administration furnishes this in- of any kind which would add to their economic problems which are being While it is impractical under present that they indicate the very opposite-

HAPPENINGS OF THE WEEK.

Tuesday, June 11.

The German attack between Noyon and Montdidier appears to be break ing down before strongly fortified al-lied lines.—Casualties from British hospitals bombed by German aviators number 991.—The Soviet government of Russia is reported as preparing a draft measure to raise troops for opposing the Germans.—Sentences of 25 years in prison have been imposed by a court-martial upon forty-five conscientious objectors from Oklahoma who had refused to wear army uniforms.

to the credit of the Food Administra- hesitate about asking for the gratui- back the right wing of the German ican marines capture Belleau wood. they were absolutely dependent upon local rarmers' organizations, to the end tary critics that German's plan is to us for food, since this was an absolute that the solution of the difficult labor reach Paris.—Forty persons are miss-requirement for the winning of the war. problem may be thus aided on a coming when the British transport Ansonia is blown up off English coast by Uboat.—Contracts for United States war materials are now being given to concerns in the middle states to stabilize ties have operated to reduce the in- and for the conservation of the equip- the labor supply of the country.—Coal come which would have been received ment. In such cases where owners of outlook for Michigan is being generated to reduce the in- and for the conservation of the equip- the labor supply of the country.—Coal come which would have been received ment. ously discussed with opinions on the situation varying widely.

Thursday, June 13.

While the French troops yield ground. while the French troops yield ground, to the enemy on the Oise river, they make additional gains about Montdidier.—American marines turn back five enemy divisions, and hold Belleau woods against repeated attacks.—The number of American fighting men now in France approaches the one million mark.—Italians torpedo an Austrian dreadnaught of 20,000 tons.—A crisis in the form of nation-wide strikes threatens to paralyze Austria's war activities.—The air post record between Philadelphia and New York is broken by Lieut. Culver who makes the distance in foryt-two minutes .- Food Administration asks American people to place themselves on a limited beef allowance until September 15.—Henry Ford becomes a candidate for the United States Senate upon request of Pres-

Friday, June 14.

suffrage amendment at the present session of congress.—War Department announces that a weekly review of events on the battle fields of Europe will be Greater efficiency in the use of man what is true of fertilizer is true in tabor upon our farms is the only possible remedy for the situation in most rial and equipment. We are accustoming the port of Archangel is being considered by the Allies.—France of the salt in the purchase of the port of the salt in the purchase of the port of the salt in the purchase of the port of the salt in the purchase of the port of the salt in the purchase of the salt in the purchase of the properties of the salt in the purchase of the salt in the This slogan part in the great war.

Saturday, June 15.

Austrians start an offensive in northern Italy along one hundred mile front. Major General Liggett has been se lected as corps commander of the first American field army in France.—T French attack Germans near Ypres The Crown Prince's drive against the northeastern approaches to Paris is definitely hatted.—German officially announces that a part of Roumania is to be ceded to Bulgaria.—Manufacturers will be obliged to cooperate with the government in securing sufficient workmen for war plants and the essen-tial industries.—Canada will introduce a system of public saving following the war savings stamps program of the United States

Italians or to break the defenders' fine at any point.—Opinion prevails that this Austrian drive was hastened to check internal disorders in Austria and ly with regard to the benefits derived from this branch of government activity. This statement shows that since days or hours which they could make lems marking a deterioration of the to satisfy demands from Berlin.—Ammoral fibre of our people we believe erica's military program contemplates of such equipment during the season. July 1 of last year, at which time the While it is impractical under present that they indicate the very opposite—1.—Americans are now fighting on Gershipment was 20,000,000 bushels, the conditions for every farmer to pura quickening of the moral conscience, man soil near the border of Switzer-

Monday, June 17. At many points Italians hurl back ican coast are announced, and victims of these attacks now number twenty.— The Bulgarian ministry is reported to have quit.—Lenine, premier of the Bolhave quit.—Lenine, premier of the Botsheviki government of Russia, is planning a trip to Berlin and Vienna.—The
fourth United States Liberty Loan
campaign will be for \$6,000,000.000, and
will probably be floated in October.

Tuesday, June 18.

Austrians failing to make headway in

the Alps concentrate forces on Piave front where they made only small advances.—Americans on Marne are gassed by the enemy.—Turkey claims the capture of Tabriz a large Persian city.—A record-breaking sundry civil bill, carrying a total of \$2,915,019,447 is passed by the lower house of congress without a dissenting vote.—Early returns from state primaries in Minne-sota show Governor Burnquist to be

The County Farm Bureau---What Is It?

By E. C. LINDEMAN

LL workers and those who have given serious thought to rural affairs now agree that if proper progress is made our efforts must go forward on an organized basis. What form of organization is best fitted to carry on a complete program? This is the question which confronts all who are interested in rural progress. The County Farm Bureau is now operating in more than one thousand counties in the United States. It aims to connect and relate the efforts of the United States Department of Agriculture, the various state agricultural colleges, and may help in throwing some light on

ing the communities of the county are doing away with duplication of effort. called together to discuss the plans of the various lines of work.

by farmers and for farmers.

3. The County Farm Bureau is a democratic organization. It is not an instrument of the federal or the state government. It is primarily a volun-

teer organization in which any farm resident of the county may become a member.

4. The County Farm Bureau includes the entire family and recognizes the family as the fundamental social unit. Its program of work cludes activities for men, for women and for boys and girls. Women may become members on the same basis as do

A Farm Bureau Training School was recently conducted at the Michigan Agricultural College. Three specialists from the United States Department of Agriculture gave quite an intensive course of instruction. All members of the Extension Staff receive training which will fit them to assist in organizing County Farm Bureaus. A number of Bureaus will be organized in Michigan during the coming season. How about your county?

5. The County Farm Bureau does all other organizations and agencies not supplant other organizations. It interested in the affairs of rural com- is not the purpose of the Farm Bureau munities. The following brief analysis to take the place of such existing organizations as the Grange, Gleaners, reau in charge of organization. the principles of this new organization. Farmers' Clubs, etc., but rather to 1. The County Farm Bureau is a unite the work of all existing organiza- Bureau in charge of Boys' and Girls' county organization. It recognizes the tions and agencies. It acts as a clear- Clubs. county as a community of communi- ing-house for all rural organizations, ties. Interested farm people represent- thus creating a unified program and charge of finances.

6. The County Farm Bureau is basthe organization. They appoint tem- ed upon a definite program of work. on Soils. porary officers. A membership cam- The members of the bureau decide uppaign is conducted. A county-wide on the vital problems of the county. ject on Live Stock. meeting of all members and interested The most important ones are included persons is called later. At this time in the immediate program of work, ject on Farm Crops. the program of work is presented, per- Each specific line of work is called a manent officers are elected and an ex- "project." The work to be done under ject on Canning. ecutive committee placed in charge of each project is definitely outlined and particular persons are delegated to ject on Clothing. 2, The County Farm Bureau is a carry out the projects. Each officer rural organization. Its membership is and each member of the executive ject on Boys' Corn Clubs. made up of men and women who live committee has a specific task. In turn, on farms and gain their livelihood each project has a delegated leader in ject on Girls' Sewing Clubs. through the business of agriculture. It each community. The following outis distinctly an organization of farmers, line indicates a typical organization subdivided so that one member of the to defray the cost of publication of a with a program of work:

1. Work with men:

Agricultural projects. Work with women: Home projects.

3. Community work:

Boys' and Girls' Clubs, market-

President of the County Farm Bu-

Vice-president of the County Farm

Treasurer of County Farm Bureau in

Executive Committee Members.

One member in charge of the Pro-

One member in charge of the Pro-

One member in charge of the Pro-One member in charge of the Pro-

One member in charge of the Pro-

One member in charge of the Pro-

(Note.—The above projects may be executive committee may have charge of a project on corn improvement, one penses. on hogs, etc.)

local community chairmen are appointed. These chairmen have charge of Farm Bureau activities in their particular communities of the county. Each community may select the projects which it desires. A community leader is selected for each project and he or she directs the work in the community.

7. The County Farm Bureau's program of work is carried out by means of demonstrations. For example, if corn-improvement is selected as a project, a leader for this project is appointed in each community. This leader secures a number of farmers who will carry on a prescribed line of work in corn improvement. The results of all of these demonstrations are collected and used as a basis for further work.

8. The County Farm Bureau employs trained spelialists to assist in carrying out the program of work. As indicated above, there are three main lines of work to be carried out in each county: Work with men, work with women, One member in charge of the Project and work with boys and girls. Most counties begin by employing a county agricultural agent whose business it is to carry out the agricultural portion of the program of work. Home demonstration agents are employed to carry on work with women, and county club leaders are employed to work with boys and girls. In some counties all three of these workers are now employed. The United States Department of Agriculture and the agricultural colleges assist in financing the work of these specialists. Most Farm Bureaus have a membership fee which is used Farm Bureau paper or for office ex-

When the above plan of organization After the county program is adopted is carried into effect there will be in evby vote of the Farm Bureau members, ery county of the United States a coun-

ty-wide organization representing all of the vital interests of the people who live in the open country. It will be an adaptable organization equipped to meet all emergencies. great war has taught us the bitter lesson disorganization. This seems the opportune time for the farmers of America to mobilize their forces for the good of themselves and for the good of the



In this southern Michigan Farm Bureau office are farmers' bulletins, agricultural books, charts, maps, samples of grain grasses, fertilizers, spraying solutions, disinfectants, soil tester, grain etc., which are used by the county agent to make his work more valuable to the farmer.

Most Dollars from Summer-Fed Hogs

By Michigan's Grand Old Swine Feeder, Mr. N. A. Clapp

N the issue of the Michigan Farmer crop of corn can be raised for feed. Feed?"

market on grain at present prices; and be gathered in the pasture fields.

of June 1, C. C. L. expresses an There are three ways in which hogs has to fit for market. Some men seem for profit. According to the old rule opinion that it is, or will be, a are generally fed on the farm in the to have the ability to make hogs thrive which said it was supposed to take 112 difficult task to make hogs pay for the summer time. One is to depend en- and pay for the feed consumed under pounds of corn meal to make a gain of corn feed which has cost \$3.00 per tirely on corn feeds, which is the most varying circumstances, while other twenty pounds, which amount would hundred pounds. The title of the short expensive and least profitable way, as men are never able to make hogs sell today for \$16.50 per hundred, which article is, "Will Hogs Pay for their thousands have proved by experience, thrive under favorable conditions, equals \$3.30, the profits would not be This query is of considerable im- feeds, utilizing some mill feeds with carry it with them and make good re- periments and experiences have shown portance for several reasons. In the the corn feeds, which gives better re- turns for the feed consumed, if given that by the use of a variety of feeds first place, the farmer who has some turns and better profits; and the other a fairly reasonable chance, while oth- while hogs are at pasture, the increase hogs, and I think he is fortunate if he is to allow the hogs a run at pasture ers are what are called "hard keepers," in weights from the same amounts of has, wishes to know if he is going to and feed a variety of grain feeds in and do not make liberal returns under get his money back if he fits them for addition to the green feeds which can good conditions.

the fact that the laboring men of our that any of the methods mentioned son to believe that they can make a

in the second place we are aware of I am ready to venture the assertion fairly good kind of hogs, we have rea- alone. duced to sustain them until another handling the hogs, and also much de- are confined to the pen and fed only are living up to their best judgment,

pends on the character of the hogs one corn there would be but little margin Another way is to use a variety of Some pigs inherit the thrifty habit and very satisfactory. But repeated exgrain feeds used, are very much better than those attained where hogs Assuming that all farmers have a confined to the pen are fed on corn

In this day of enlightenment, intellicountry and the soldiers in Europe can be made profitable under some good profit feeding corn meal which gent, thinking farmers are thinking will need all the pork that can be pro- conditions. Much depends on the man cost \$3.00 per hundred. If the hogs along the lines of feeding, and if they

The stomach of the hog is not large enough to eat grass enough to enable him to any more than live and gain a little if depending on grass alone. In my experience a half grain ration given regularly while pigs are at grass, gives excellent results. The grass bulks up the feed and the gastric juices of the stomach penetrate the feed easily, and digestion is more fully accomplished than when grain is fed alone. And farther, considerable benefit is derived from the green feeds.

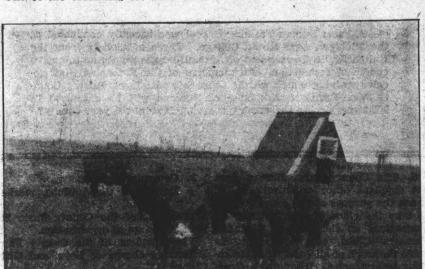
Looking Ahead.

In looking ahead there are many things that ought to make us feel encouraged. There is an unusual area sown to spring grains. If one has barley, peas and oats to grind and feed later in the season, the expense of making gains on the hogs one is carrying through the summer will not be heavy and the profits will be greater.

Another phase of the matter is encouraging: The market does not require that the hogs be loaded down with fat as was the case when the old-

feeds, feeding some grain feeds, and I manded. Medium weights in medium making them comfortable. They should late at night after the sun has disapthink feeling assured that there is a condition are required. A large amount have access to water and if a wallow peared, but need some shelter from prospect for liberal profits on the hogs of corn feeds will not be required to can be arranged for them to roll in the hot sunshine and the storms. An which they are carrying through the fit the hogs for the August and the during the heat of the day it will prove A-shaped colony pen is a comfortable summer on pasture and some grain September markets, which will call for to be a benefit to them. bacon hogs.

Make the Hogs Comfortable.



They Thrive Best when Shade from Hot Sun is Provided.

One of the essentials for successful dle of the day. They will eat of the

are allowing their hogs some pasture fashioned lard type of hog was de-hog feeding in the summer time, is pasture feeds early in the morning and and convenient device in providing Do not compel them to endure the shelter. It can be built with a floor or hot, burning sunshine during the mid-runners so that it can be moved from place to place as occasion may require. It can be constructed at small expense and will last many years.

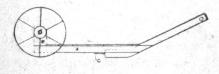
Regularity in Feeding.

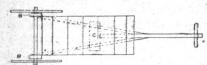
One of the keys to successful hog feeding at any and all times of the year, is regularity in feeding. If the feeder is prompt to furnish the grain feed at the established feeding time, each and every day, much worry and squealing by the pigs can be avoided. It should be remembered that allowing the pigs to worry for their feed reduces the profits. If the feeder is regular in bringing the grain feeds, the hogs will form a habit of regularity in going in search for pasture feeds and returning to the feeding place for the expected grain feeds with great regularity.

It has been stated by the Food Administrator that the American hog must help to win the war. If that be the case let us make the most of the hogs in the summer time in order to do our part in the task of winning

Suggestions for Our Busy Farmers

HANDY MILK CART.





plow wheels. The pieces A are a half inch by four inch elm, because it is necessary that they be strong. The handle is a two-inch by eight-inch piece with the runner end full size, but the handle end is cut down to make it as light as possible, but care must be taken to not make it too weak. The upright hangers B are two-inch by fourinch pieces hung on an iron axle. The brace C is necessary to strengthen the pieces A.

This cart is of sufficient size to haul Since a pregnant brood sow is very two ten-gallon cans or four five-gallon likely to injure herself in climbing R. L. Sunderland.

THE PEPPER BOX SPRAYER.

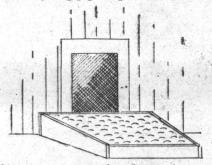
rial is often blown in the face of the inches.-J. L. J. worker; the hands have to come in contact with the material; and, when HOW HE OUSTED THE CUT-WORM. the plants are small, it is a back-break-



the end of a lath. The person applying row and worked the ground up in good rise into the top of the tank. The cooler We find this milk cart convenient walks down the rows and sifts some shape and sowed all that was under water in the bottom of the can would to haul several cans of milk a short over each hill. Even if the grower the plow to buckwheat, which proved thereby flow in, to be in turn heated. The wheels are old corn does possess a good sprayer, when the to be a success. He followed two more This caused a continuous circulation of

A HOG STEP.

Usually the muddiest place about a J. M. Lyon. hog barn is the spot just outside the small doors or creep holes. As this place wears down it becomes a task for the young pigs to get into the door.



It saves considerable lifting .- through a high door of this sort it is well to prepare against this possibility by building some sort of permanent shown above will last a long time. It For the control of insects, many of is made of two-inch stuff, forming a the bottom. the garden plants need to be dusted box that slopes away from the door. with lime, land plaster, or similar ma- The box is filled with small stones or Unless one has a regular broken bricks which make a secure sprayer, this dusting has several disa- footing. The height of the step for the greeable features. Some of the mate- hogs ought not to be over six or seven

cle in the Michigan Farmer some time ago that some portions of Michigan soil is badly infested with wire-worms.

A farmer once called my attention to a large field of timothy grass just before having time. He thuoght it would yield from three and a half to four tons of hay to the acre and I kerosene, turpentine, or carbolic acid, thought so myself. He said that a few as is often the case, it is worse than years previous to this he bought his farm, considering it to be worn out For the grower whose acreage does land. He tried to get crops started in not permit him to invest in an expen- the spring and the wire-worms destroyavoided to a large extent by placing ed. The time came for sowing buck-

the material in a pepper box nailed to wheat. Then he put on the disk har- in the fire box becoming heated would wire-worms.

HOT WATER TANK.

no pressure system water supply, and needing a large quantity of hot water on hand at all times, I rigged up a pipe and connected it with the can at place two or three slats lengthwise two places, passing it through holes on the back side of the stove and making a loop on the inside of the fire box. These holes on the stove are always found on ranges for the purpose of connecting a hot water tank. The places where the pipe passed into the tank were made water-tight by having a lock-nut, leather washer and red lead step just outside the door. The one paste on each side as shown at A in from bottom to nearly to the top of the

The water in the section of the pipe ing up. C. L. S., Walkerville, Mich.

plants are small, the pepper box, on years with the buckwheat. This, he water being heated on the thermosaccount of its small size, will save a said, finished the wire-worms. He gave tatic principle. The water level is nevlot of waste of material, and at the all of his plow land three successive er allowed to fall below the top pipe. same time is easier to carry.-H. L. S. crops of buckwheat, which used up the The lower pipe should enter at the bottom of the tank as shown in draw-The lay of his farm was quite level ing. Water taken from the top is and made up mostly of black loam .- boiling hot, and taken from faucet is naturally much cooler, but just hot enough for general uses .- C. E. Richardson.

Living on a farm where there was PREVENTING COW FROM SUCKING HERSELF.

I saw an article in the Michigan very convenient arrangement. I pro- Farmer asking how to prevent cows cured a common large size ash can sucking themselves. I would like to with a cover. I placed this on a stand say that a very convenient way is to behind the range. I took half-inch place two bows over the neck then

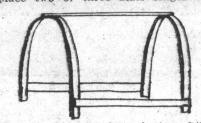
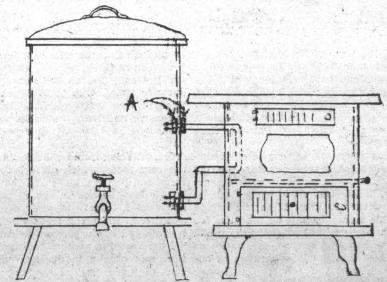


illustration. A faucet was placed at neck. Fasten in under the neck with light straps to prevent it from work-



sive sprayer, these troubles may be ed everything that he sowed or plant. This Drawing Shows Range at Right and Tank at Left, with Pipe Connecting avoided to a large extent by placing ed. The time came for sowing buck.

Dairymen Should Cull Herds Now By W. F. TAYLOR

in the first place, we must cull out dairymen should succeed now than in our poor cows and send them to the the past, for we are a part of our block, because if there are to be any great national army. We are not in profits in dairying they will be small uniform but we are soldiers of agriculfor some time and the poor cow will ture, and upon the way in which we spend our money every day instead of "do out bit" will depend in some degree making money for us.

With an effort all along the line to struggle. get rid of the poor cows the demand for feed stuffs will lessen and prices will IS YOUR HIRED MAN SITTING ON be held in check to some extent. With the poor cows slaughtered, the supply of milk and butter will fall off and prices will gradually improve.

is to become of the consumer. Milk is drainage expert of the college to call the cheapest food on the market today, and put on a drainage demonstration It is strange that the people in the cit- for the entire community. ies do not comprehend this truth. Oleomargarine may be used by grown-ups likened to a bureau of specialistsas a substitute for butter, but it is not men engaged by the state to be used a substitute for butter in the ration of for the benefit of the people of the

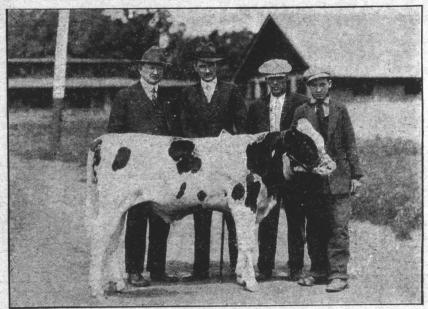
O the writer the future of the knew of another man anywhere whose dairy industry seems more hope- success in feeding was better than my ful than to some others with own I would see him at once and learn whom he has talked. I am satisfied that why. It is more important that we the outcome of this great world's

THE FENCE?

(Continued from first page).

with your county agricultural agent it But, says the man in the city, what is sometimes possible to induce the

As a whole, the college might be



Champion Sylvia Johanna Sells at Record Price of \$106,000.

the child and never can be. Prices of state. It is a rule, however, that endairy products seem high to the con-terprises of what might be termed a these products cannot be furnished.

quantities of the grains essential in disposal. their production will have to be used directly as human food. The falling off work must be done by means of letin production and the consequent rise ters and bulletins. Of the latter the in prices will enable the farmer to pro- college has published a large number

and devoting a larger acreage to the placed upon the mailing list to receive growing of grains, he will answer the all publications of value to him. nation's call for increased food production, in which capacity he is just as remain in darkness about state sercice. important a factor in winning the war Ask your county agricultural agent as the manufacturer of munitions. By and don't oblige this helper who is seeding liberally to clover, by making capable and anxious to assist you, to the best use of the manure resulting sit on the fence while you toil. from even the smaller amount of live stock kept on the farm, by mowing the clover but one year and then plow- the best place for the wagon or the culing it under, he should reap a profit tivator when finished with it for a few from the growing of grains sufficient days. If a regular implement shed is to compensate him for the somewhat not provided the barn is always availsmaller returns from the live stock.

So in conclusion, I would get rid of open and shut the doors. every poor cow as soon as I could find her. I would breed the good ones to Too much valuable time is lost in runthe best sire possible even though I ning back and forth from the village had to drive for miles and pay a lib- blacksmith shop for minor repairs eral service fee. I would feed thought- which, with forage and navil, vice, dies, fully, intelligently and carefully. If I etc., could be made at home.

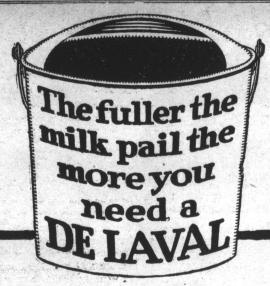
sumer but they must go higher or public nature are successful only in so far as the members of the public co-Gradually to a considerable extent, operate. The best trained plant pathdairy products must take the place of ologist in the world may be retained meat. I am convinced that as a people by a state, but if the people do not we shall have to eat less and less meat make use of him his knowledge is likeuntil the close of the war. This will ly to bear little fruit. It is patent that be necessary for two reasons. First, the farmers of Michigan will be the the production of meats must gradu- gainers by what the state has done for ally fall off unless prices are consid- them only in so far as they avail themerably advanced, and second, large selves of the services placed at their

Of necessity, much of the extension duce both meat and dairy products at upon subjects of importance to every a small profit though in less quantity farmer. If the farmer makes no other use of the college, he ought at least to Keeping less live stock on the farm write in and ask to have his name

The modern farmer can not afford to

All outdoors is a big shed, but not able, all the extra work entailed is to

Every farm should have a workshop.



Your need of a

CREAM SEPARATOR

is greater right now than ever before

These are the days of the full milk pail.

But if you are trying to get along without any cream separator, or with an inferior or half-worn-out machine, the more milk you get the more cream you lose.

And no farmer can afford to lose even a little cream when butter-fat is selling at from 40 to 50 cents a pound.

With butter-fat at present prices, and our country begging us to stop waste, "cream slacker" methods of skimming milk must go.

Get a De Laval right away and put all the cream

There is no other cream separator that can compare with the De Laval in clean skimming, capacity, ease of operation, freedom from repairs and durability.

Order your De Laval now and let it begin saving cream for you right away. Remember that a De Laval may be bought for cash of on such liberal terms as to save its own cost. See the local De Laval agent, or, if you don't know him, write to the nearest De Laval office as below.

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Insects Are Dangerous to Health-**Put Flies, Roaches**



Guaranteed to kill flies, ants, roaches, mosquitos, bed bugs, mites, fleas and many garden bugs. No muss or dirt. Just a fine powder that gets sure results. Thousands of farmers are using Hofstra in home and garden. Money back if it fails.

HARMLESS TO HUMANS

Hofstra is NOT A POISON. Odor-less and tasteless. Can't stain or discolor. Special formula that has them all guessing.

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Enclosed find 50c for big box of HOFSTRA and baded Metal Gun, FREE. My name and address is

Seed Buckwheat \$5

Per 100 pounds. Bags extra at 35c. Young-Randolph Seed Co., Owesse, Mich.

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\$10.00 to \$25.00 clear profit every day made with the Sandwich. Saves \$16 each day in labor costs alone. It be 8 tons more each day than average pi d no extra help.

Sandwich MOTOR Hay Presses



B-V-T-Silo

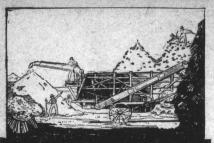
Built of everlasting Brazil Vitrified Fire in cement. You'll never have to rebuild it. You'n neighbor has one. Ask him. Send for Booklet D Brazil Hollow Brick & Tile Co.
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Railroad Traffic Inspectors Wanted. \$125 a month and expenses to start; short hours; travel; three months home study, under guarantee; we arrange for position. No age limit, Ask for booklet L28, FRONTIER PREP. SCHOOL, Buffalo, N. Y.

Dogs

Belgian Hares, Flemish Giants, white rab-bits, guinea pigs, pigeons, ferrets, swine; dogs and pupples of all breeds; young stock specialty. Stamp for circulars. Chas. Ridgely, Canton, Ohlo

Scotch Collie Pups For Sale. Pure bred stock, prices reasonable. O. E. Hawley, R. S. Ludington, Mich. Mention the Michigan Farmer when writing Advertisers



Don't Own or Use a Slacker Machine

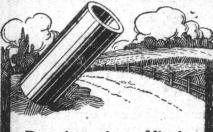
NOW when the nation wants every bushel of grain that you can produce, you cannot afford to lose any of it. Do your bit by saving every bushel—make more money for yourself and produce more for the boys in the trenches. "Hoover-ize" your grain error with a grain crop with a

Red River Special

Loss in the stack is not tolerated by the makers of this machine. It beats out the grain. Other threshers wait for the grain to drop out. That's why the Red River Special saves more grain. Look for the thresherman in your community who owns a Red River Special. Or write us and get prices on the Red River Special "Junior" — the small thresher. Write for circular.

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In Continuous Business Since 1848
Builders Exclusively of Red River Spe-cial Threshers, Wind Stackers, Feeders, Steam and Oil-Gas Traction Engines
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When writing to advertisers please mention The Michigan Farmer.

More Tomatoes by Pruning will appear at each leaf. These are removed as soon as possible, leaving intact all the leaves that grow upon By ANNA WADE GALLIGHER

house kind nor with those shipped from experience as we learned how to prune. the south. But we never fail to have tomato. We use both wheel-hoe and es reach a height of one and a half to Farm in orchards that had been hand-hoe frequently, the latter being used to bring the soil up around the plants, which is very beneficial to their growth. We stir the soil after every

lessly planted. The tomato is not over- enough to make quite a task when No. 1 is a double shovel cultivator particular as to soil but good cultivation at the proper time is an important factor.

Then, there are many ways of pruning, nearly all of which are worse than no pruning at all. Never prune a temate plant (or anything else) by guess. Better let it alone, entirely, than te cut off branches that ought to remain

Method Good for AH Varieties

We do not always grow the same varieties year after year, but always plant some early sort as well as several late, or rather, main-crop varieties. However, we can take any of the standard main-crop varieties and by judicious pruning, produce a crop of tomatoes ready for market several weeks ahead of the same variety unpruned. We have done it with a num- two feet (according to variety), and a brought into good condition before the ber of varieties, early and late.

sary, the space between the rows and tip of the vine is removed. all around the plants is covered with straw. This serves a two-fold purstraw helps to conserve the moisture branch, the tips are all removed. in the soil.

URING the past five years we ter whether straw is used or not, we toes for the local market. We It does not agree with a tomato plant do not try to compete with the hot- to be "worried." We learned this by than twice during the season.

We claim originality for the most impened that they ripened so early in the branches, which appear at the base, efited by pruning. season. These people claim that they are small and stunted looking (as they have been unable to get as nice large usually are) they are removed. We FERTILIZER EXPERIMENTS IN AP. tomatoes anywhere else. Good culti- then leave from four to six good, strong vation and pruning does it. Cultivation side-branches as near the base of the is usually begun a few days after set-plant as possible. Above these all the

intact all the leaves that grow upon the bearing branches. Never strip the leaves from a tomato plant when removing surplus growth. Pruning a tohave been growing early toma- never attempt to change their position. mato plant is easy work, and if properly done need not be repeated more

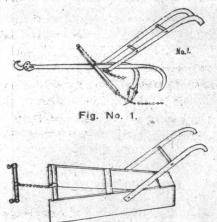
Remember it is the unnecessary growth that retards the development nice ripe tomatoes on the market four portant points in pruning, as practices of the tomato crop. Pruning, as above or five weeks ahead of the other gard- by the writer during the past five directed, will not only cause tomatoes eners in this locality. We have often years. Here is how we do it: We to ripen earlier and more evenly, but been asked, by customers, what kind begin to prune a short time after the will increase the yield at least fifty of tomatoes we raised and how it hap-plants begin to branch. If the first per cent. Late tomatoes are also ben-

PLE TREES.

In a report from the Maine station ting. Nothing will respond any more branches are removed from the main some notes are given on fertilizer exquickly to good cultivation than the vine. When the remaining side branch- periments conducted at the Highmoor

A Potato Planting Suggestion

A tomate plant that is properly set are planted to potatoes each year. This illustrations explain themselves and if has a much better chance to grow and is not enough to pay to purchase pota- followed will eliminate much of the produce a crop, than one that is care- to planting equipment, and yet is drudgery from potato planting.



On many farms two or three acres planted by hand. The accompanying

with one shovel removed. A strip of wood, 60x1x11/2 inches, with chains on both ends should be placed just where the handles join the cultivator to mark the rows, that they may be of uniform distance apart.

No. 2 is a tool to cover the potatoes as they are dropped in the trench dug by the shovel cultivator. It should be thirty-six inches in front and about sixty-two inches at the reverse and with a length of forty-eight inches.

This draws the dirt over the potatoes, forming a ridge above them so that they are planted quite deeply. They should then be gone over with a roller. The results are much more satisfactory than when hand planting is employed .- D. D. Woodin.

sufficient number of tomatoes and buds experiments started by cultivation and When cultivation is no longer neces have set to produce a good crop, the fertilization for a period of three years.

Fig. No. 2.

Make Plant Stocky and Prolific.

When the remaining side branches when the dry weather sets in, (as it main vine and from two to four clususually does here in summer), the ters of buds have formed upon each

This causes a new growth of side-Some varieties of tomatoes will branches. These young branches apstand erect without any kind of sup- pear in a very short time, but not all port. Others will fall over. No mat- at once. Sooner or later a small branch

In one test a number of Baldwin trees all received the same application of standard fertilizer and a portion of pose. No stakes are necessary and are nearly as high as the center or them received an additional application of nitrate of soda at the rate of one hundred pounds per acre. As far as has been observed the additional nitrate of soda has had no effect in forcing the trees into bearing. Another test was begun in 1912 in an orchard of Ben Davis trees in which one plant has received no fertilizer for a period of three years; another plat has received annually a fertilizer, at the rate of five hundred pounds per acre, carrying four per cent nitrogen, eight per cent available phosphoric acid, and seven per cent potash; and a third ment are beset by many foes, spends the winter as a pupa among the plant has received 1,000 pounds of the same fertilizer per acre. Thus far no results which could be attributed to

Swat the Cabbage Worm By DON B. WHELAN

ABBAGES during their develop- ations per year. The last generation Many do not survive the seed-bed to fields. be transplanted, and if they do survive Just as soon as they are set out is the fertilizer have appeared. ed by the cabbage worm.

feed, they are hard to see.

weeks, there being about three gener- through the summer.

both plant as well as insect. old stalks and other rubbish in the

they are liable to attack by the flea- the time to start fighting the cabbage beetle or the root-magget. Escaping worms. The more effective the conthese and right after they are trans- trol during the early part of the seaplanted, if not before, they are attack- son the less worms there will be to bages we have watched over so care-powdered arsenate of lead dusted on wide. fully during the early spring have the before the heads have formed. A spray leaves badly eaten or, a little later, of arsenate of lead and water is good holes through the forming head. Upon if a little soap is added, which will ed for this season. Both Kalamazoo and closer examination a number of small make the spray stick better. Care Kent counties have good roads leading green worms, varying in size, are should be taken about using this after to the Allegan county line and new confound. Owing to their color, which is the heads begin to form, as there is a tracts have been let for seven miles of like that of the leaves upon which they chance of poisoning. When the heads this road through Allegan, with proshave formed the best and safest spray pects that state reward money will be The adult of the cabbage-worm is to use is that consisting of half an available for building the additional six the common white butterfly that is ounce of pyrethrum or Persian insect miles necessary to complete the highseen early in the spring. In the sum- powder in a gallon of water will prove way. mer they gather in moist places along efficient in controlling the "worms." Grading for the six miles of monothe road. It lays its eggs on some Besides this spray is harmless to man, lithic brick pavement between Albion available plant and the larvae emerge One spray will not be sufficient under and Marshall is completed and the in about a week. The entire life-his- ordinary conditions, but the spray will highway will be in use this fall. The tory in summer requires about five have to be repeated at intervals all road between Battle Creek and Mar-

GOOD ROADS IN MICHIGAN.

Muskegon county is building its first work havoc later in the year. Cabbage mile of concrete on the Muskegon-Very often we notice that the cab- worms can be controlled by the use of Grand Haven road. It is sixteen feet

> An improved highway between Grand Rapids and K

shall will be paved next season.

With the Live Stock Men

HE Berrien County Cow-testing Association finished its second year with satisfactory results, according to the report of Louie Weber, tester. Nineteen herds were tested, or about 250 cows, during the full year. In individual records Earl Hemingway's grade Guernsey won highest fat record, with 513.6 pounds. Ed. King's grade Holstein won highest milk record, with 11,813 pounds. M. L. Becker's Guernsey made most profit, or \$115.11. In herd records Ed. King's herd won first on fat, with average of 360 pounds per cow; also first in milk, with average of 9,586 pounds. Young Bros.' herd was first in profit, the record being \$70.06 per head. M. L. Becker had highest testing herd, averaging 5.5. One herd failed to pay for feed. One herd produced milk for ninetyeight cents per hundred, while production cost with another herd was \$2.08. One herd produced fat for twenty-one cents per pound, while with another herd the cost reached forty-four cents.

The Northern Michigan Shorthorn Breeders' Association met June 6 at Petoskey, with breeders present from Antrim, Cheboygan, Charlevoix, Emmet and Grand Traverse counties. There were talks by Prof. Edwards, of the M. A. C., Wm. Johnson, of Indiana, representing the American Shorthorn Breeders' Association, and others. A committee was named to visit different herds and select a number of animals for a sale to be held this fall under the auspices of the local association.

The long drought in the southwest is compelling sheep and cattle men to seek new fields and many of them are coming to Michigan.

W. A. Colt and S. C. Lee, of Colorado, have located on a ranch of 12,000 acres in Chippewa county and by the last of June will have 2,000 sheep there.

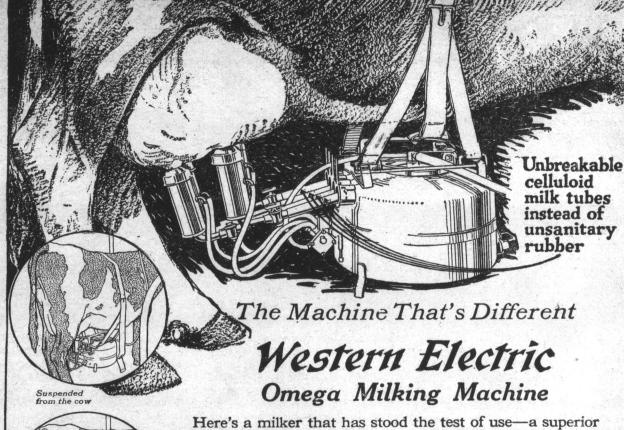
W. B. MacBeath, of New Mexico, has 625 head of cattle on grass in Marquette and Dickinson counties and expects to have 2.000 head there soon.

F. R. K. Hewlett, prominent live stock man of South Dakota, is selling his interests there and moving to northern Michigan. He has taken over the Emblagaard Farm near Marquette and by next year expects to have 40,000 to 50,000 head of sheep there. He says: "With proper handling I believe it possible to lamb out 100 per cent or better from young ewes in Cloverland. Lambs born in May will weigh from seventy to eighty pounds by the first of November. All the tracts of land that I have inspected in Michigan are suitable for grazing sheep."

W. T. Bishop, of Texas, has taken a lease of 7,000 acres in Alger county and will raise cattle on an extensive scale. After visiting the upper peninsula he says: "The country is ideal for grazing. I never saw such grass in my life. Grazing will be a tremendous success in Cloverland and you are opening up a new industry which promises to be one of your greatest enterprises. Your lease option plan is a winner. It proves to us that you have faith in your country and that you are not after our money."

PAY HIGH FOR STOCK PIGS.

While prices for hogs in the Chicago market have undergone extremely large declines recently, farmers have paid fancy prices for pigs to ship back to the country. The other day, while the choicest of matured hogs were selling for \$16.80 per hundred, Illinois farmers actually paid as high as \$17.25 per 100 pounds for 120-pound stock pigs to take back home. This is the first time on record when pigs outsold the best shipping hogs at this season



Here's a milker that has stood the test of use—a superior machine in every respect.

Its many features place the Omega in a class by itself—it will pay you to consider them.

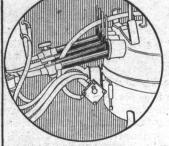
Sanitary to a remarkable degree. Celluloid tubes carry the milk from teat to pail. This does away with rubber milk tubes and lowers the bacteria count.

Adjustable without loss of time. The Omega is easily suspended from the cow. The pail goes where it belongs—under the cow—the pail cannot be kicked over—the teat cups cannot fall off and suck up dirt. The suspended pail is a feature exclusive to the Omega.

Adaptable to any kind of cow—the hard milker, the nervous cow and the cow that holds up her milk. All take to the Omega because of the natural way it milks. It's easy on the cow.

Hand milking is giving way to machine milking because it cuts labor costs and increases milk production. The Western Electric Omega is no ordinary machine, and dairymen everywhere are testifying to its merits.

You can find out about it from our new book—"Better Milk from Contented Cows." It tells all about this model milker—how it is made, how it works, how it will help you. Mail the coupon today.

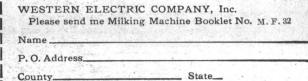


Basily adjusted

You can see the milk flow

WESTERN ELECTRIC COMPANY

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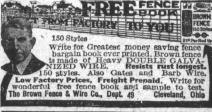
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Rural Clergymen to be Born Again

conducting a short course for pastors country life. this summer the coming of a new type of clergyman in the rural communities also be conducted by the college from of the state—one who in addition to July 8 to 15, while the short course is furnishing cheer to his flock can make in progress. A number of the counhimself of real value to the community try's leading churchmen, among whom in its practical, every-day affairs.

ened by M. A. C. will start on July 8, the University of Chicago, will be in and will run for two weeks. It will be attendance with members of the M. A. out of the ordinary only in its object, C. faculty. for as a short course it will be similar to those which are given farm boys ery clergyman and layman in the state. every winter. Practical lessons, lec- More than two hundred of the country tures and demonstrations relating to pastors of Michigan sat through the

EN who are observing the trend with the idea that the rural pastor of the times see in the an- who would most ably serve his connouncement by the Michigan gregation must be a man equipped to Agricultural College of its plans for know and deal with all the problems of

A conference of rural pastors will will be Dean E. I. Bosworth, of Oberlin The school for clergymen to be op- College, and Dean Shaler Matthews of

The c nference will be open to evagricultural subjects will be taken up, sessions of the conference a year ago.

Sheep and Victory

SHEEP and Victory" mass meeting opportunity," said President Harmon, and upper peninsula war confer- of the Upper Peninsula Development

farmers and men of affairs.

interest wool growers in our cut-over true and practical sense." lands. Sheep raisers of New Mexico three million dollars for good roads, the market center. There are seventy-five savings banks

In response Governor Sleeper said: sheep and cattle men."

"Cloverland today faces its greatest towards winning the war.

ence was held June 12-13 at Esca- Bureau. "There will be scores of westnaba, with every county in Cloverland ern grazers visiting our lands during represented and with Governor Sleeper the summer. We must show them and staff, including officials of Michi- what we have and be open and abovegan, present. The governor and party board in everything. The stranger who were given a hearty welcome and there comes here deserves every bit of moral was a big public reception in their support we can give him. Let's get away from the money grasping idea. The theatre was crowded with peo- Let's pull together. Let's make a bit ple at the opening session, the audi- of sacrifice ourselves for Cloverland ence including representative men of and then sit back and watch it grow. the upper peninsula, the supervisors, The sheep and cattle that will be placcounty and city officials, bankers, ed in Cloverland during 1918 will consume every pound of hay now produc-Colonel R. M. Andrews of Menomi- ed in this section and much more. We nee, opened the conference and he pre. are thus creating a large local market dicted that Cloverland will play a very for hay heretofore seeking an outside important part in winning the war. In market. I therefore appeal to everypart he said: "All other essentials one, lest we fail in supplying the nechaving been provided for by the United essary winter feed, to do his utmost States it now appears that we will win to raise more hay, especially clover the war. The Upper Peninsula Devel. hay. The future of Cloverland's unus opment Bureau grasped this situation ed lands today depends on the attitude and during the past six months has of her people. The stranger within conducted a nation-wide campaign to our gates must be made welcome in a

The next speaker was C. A. Nebeker, alone are seeking 100,000 acres of graz- of Salt Lake City, an authority on ing land, and they produce only a small sheep, who is interested with a numproportion of the wool of the country. ber of western bankers of Utah in the Hundreds of inquiries have been re-sheep industry. He is highly pleased ceived by the development bureau and with upper peninsula prospects. He the dawn of a vast new industry, des- stated that sheep are cold weather anitined to surpass all others in the upper mals, that the wool growth of acclimatpeninsula, is breaking. Cloverland ed sheep in the upper peninsula is comprises one-third of this great state much greater than is that of the westand our low-priced pasture lands are at ern or southern sheep, also that the the very door of the Chicago market wool is much cleaner. Sheep need only 250 miles away. Cloverland is lots of clover hay to winter over on larger than Massachusetts, Delaware and Mr. Nebeker believes that the cost and Connecticut combined, and has of wintering sheep is no greater here more people than Idaho, Wyoming, Ari- than in the west, for in Idaho the sheep zona or New Mexico. There are more men must drive their flocks to the Texmiles of railroad in Cloverland than in as border in winter. The saving on Nevada, Utah or Wyoming. In the freight alone amounts to \$1 per head past four years Cloverland has spent between the grazing lands and Chicago,

Secretary Rowell, of the Upper Pein Cloverland, with savings deposits ninsula Bureau, said in part: "Twelve greater than all the savings deposits in grazers have been located in Clover-Colorado, Kansas, Montana or Oregon. land. There are sixty-seven more who The upper peninsula offers the sheep have set dates for coming here, 131 and cattle men hundreds of thousands have said they were coming and 123 of rich cut-over clover lands for graz- others have said they were interested. ing on a two-years' test free. Can you The crowded-out western grazers are beat that in all the world today?" turning toward Cloverland."

Governor Sleeper presided at the war We are all proud of the upper penin- conference held at Escanaba and T. M. sula, so aptly called Cloverland. In Judson, secretary of the Delta County every war activity you have proven War Board, welcomed the delegates. your unselfish patriotism and it is for- Hon. C. C. Vaughan, secretary of state, tunate for the country that this great responded in behalf of the Michigan cattle and sheep campaign of yours War Preparedness Board; Hon. J. H. has come at a time when this country Winterbotham, of Washington, in beand her allies so sorely need the beef, half of the council of national defense, mutton and wool that your cut-over and Hon. George O. Driscoll, of Ironlands will so abundantly produce. I wood, in behalf of the upper peninsula am happy indeed to learn that already war boards. Committees were named this year more than 200,000 acres of and divisional meetings were held, the your lands have been taken by new-conference closing with a public meetcomers from the finest class of western ing held Thursday evening. The upper peninsula will do its part, and more,



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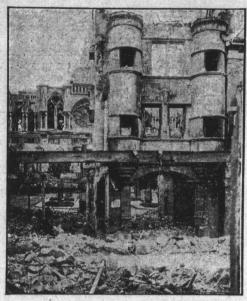
Magazine Section

LITERATURE POETRY HISTORY and INFORMATION



The FARM BOY and GIRL. SCIENTIFIC and MECHANICAL

WORLD EVENTS IN PICTURES



In foreground, ruins of Rheims court house; Cathedral in Background.



Distinguished Service Cross, highest military honor awarded by President.

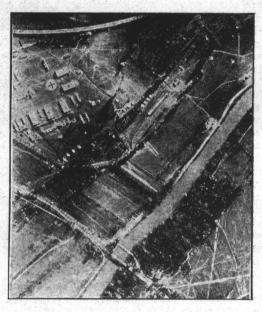
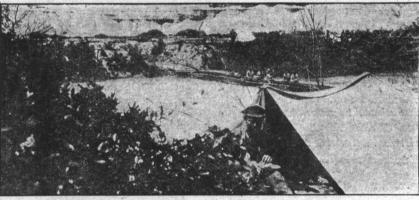


Photo taken from aeroplane shows French hospitals near Soissons.



River Jordan in Palestine. British soldiers are resting on pontoon bridge which they have constructed at this point.—(British Official Photo).

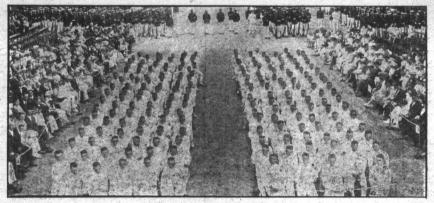


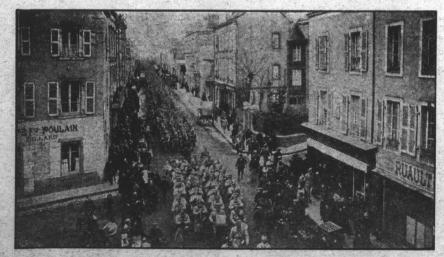
tractor put to severe tests in hauling a field piece over many obstruc-tions, will be used by War Department to move heavy guns.



This overturned tank was captured by Allies in the recent drive. The top of Graduating Class of 1918 at Annapolis Naval Academy assembled to receive the tank was covered with branches to camouflage it.

Class of 1918 at Annapolis Naval Academy assembled to receive their diplomas from Secretary Daniels.

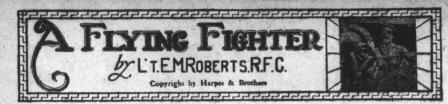






Volunteer Polish American Regiment, trained in the United States, marching through Laval, France, on their way to the front.

French commander's post on Mount Kemmel before the battle in which Germans captured part of the hill after many stubbornly opposed attacks.



(Continued from last week).

CHAPTER IX.

My First Hun.

HE next trip I made aloft was made as gunner in a fighting airplane. We were on patrol for three hours, and I had a busy time of it trying to keep my mind on the gun and flying at the same time. On my next trip I spent a hundred rounds from a Lewis gun at a target and the same day I was sent as gunner on another patrol.

We had been up for an hour, when the pilot spotted a Hun battery and gave its direction to some of our guns. We were then about six miles behind the German line. All went well for a time until I saw another machine at about our own level, to which I called my pilot's attention. Though the other craft was at least a mile away the pilot recognized it immediately as a Hun. He began to tap out something on the wireless key which, as I afterwards learned, was a message to the battery with which we were working to cease firing. The hostile machine was also an observer and the flash from our guns would have shown its pilot where our battery was located.

The thought that there was a Hun in the air and that we might have to meet him gave me a nervous thrill since I somewhat doubted my ability to handle a machine gun. The man in the other machine might be much more proficient than I; and while I had broken bottles on the range, fired on the outline of a Hun plane on the ground for practice, and done other trial stunts I had never before tried issues with a real live Hun.

But I found a great deal of comfort in the fact that my pilot was a good man (he had been decorated for bravery) and I made up my mind that I was not going to disappoint him. He had shown that he had faith in me, and for that reason I had myself well in hand when the German machine came nearer to us.

But it was not our business to fight down the hostile machine. We were observers. It was rather risky, moreover, to take up a fight with a Hun above his own territory, where a forced landing would have resulted in our being made prisoners of war. Consequently we started for home, but Fritz saw fit to follow us.

We were over No Man's Land when finally we turned on him, and I got ready to work the machine gun. I knelt down in the seat and when we were close enough the pilot turned around and gave me the signal to fire. But the Hun was miles past, and I wondered if the pilot thought I was the champion trap shot of the world. There were no synchronized machine guns in those days, and to shoot through the propeller meant of course that there would be a sudden landing since the bullets would splinter its blades to pieces. We came along side of each other and I had put a drum of cartridges in the gun and was in the act of aiming at the Hun machine when something hit a strut alongside of my head. A glance in the direction of the strut showed me that a bullet had gone through. Quick as a wind I pulled the trigger and the little gun began to jump and bounce about on its mounting.

What the effect of my fire would be I was anxious to know. The racket made by the machine gun was deafening, and since its muzzle was directly above my pilot the man had to crouch down into the cockpit. But he, too,

doing and after a few moments he sat up again.

I was shaking with excitement by bullets at a fast rate, but on the Hun plane everything remained in order. The two machines were keeping to a parallel course and I was beginning to bring down our opponents, who were meanwhile keeping up their fire.

lurched forward. Then something de- of me. tached itself from it. It was the form of a falling man.

My aim had been good after all. As I laughingly. saw the body speed towards the ground

falling Hun. There was a smile on his his senses. face as he shouted:

"That's good!"

behind the reserve position.

Hun machine, however. After a while you are a junior. it began to volplane rapidly; finally, it wings left the body of the machine.

work again.

ron also congratulated both of us.

I confess that I was rather pleased Of a sudden the enemy machine ly to take some of the conceit out spinning past us dangerously close.

My excitement reached its height. ed down a bloomin' 'un," he remarked,

It was not long before some of the to the rear of its own line and we also of them remarked that I was a Yankee, Not one of them remained in any pohis own lines, having hit the ground put a stop to the argument, but before

The following week, while on recon-While I was taking the empty am- were flying along merrily when we machine would be out of control, and munition drum from the machine, the were tackled by six Germans. The in that case it would have been the last pilot sent something over the wireless odds were against us, so we headed for trip for both of us. and before long our battery was at our own lines at an elevation of about six thousand feet.

we went home and made a good land- their minds that we should not get ing. The other men crowded around away if they could prevent it, and they us. They had seen the fight and were attacked us. Some of them were tryeager to shake hands with us. I pre- ing to go directly underneath us, so tended not to be excited, but I wanted that they could reach us the better to get up and shout to the world that with their machine guns. One of the I had brought down a Hun in the air, machines got over us. In fact, they and assisted the pilot looking over the overlooked no point of vantage to put machine to find what damage the Hun an end to our career. Finally, one of machine gunner had done to it. We the Huns, who seemed more daring found that he had eight hits to his than the others, made straight for the credit. A ninth bullet had gone through other machine. I began to fire. After now. The machine gun was spitting the pilot's leather coat at the shoulder, a while the tracers hit his engine and The commanding officer of the squad- then he glided to earth. I cursed my luck for having only disabled him.

The other machines were still flying with myself, and at the mess that night around us, though by this time in largfear that my aim was too poor to my brother sergeants contributed not er circles. Although we were now near a little to that feeling. One of them, our own lines, they kept pegging away however, a Cockney, proceeded prompt- at us and some of their bullets kept

Just as we got over our lines, the "Ay, mytes, look at that bloke! 'e Huns made another big try to get-us. don't 'alf fauncy 'isself, 'cause 'e pitch- Our machines separated in order to not give the Germans a chance to attack us together. Two of them went for my Since he had not done even that machine while the other three attackturning over and over again, a sensa- much, I could not see why he should ed the other. I fought my opponents at tion of sickness seized me. So intense put in his jaw, and so I came back long range, hoping to hold them off in was this that I hoped the next enemy at him with. "Well, I don't see any that manner. But they were energetic would get me in order that I might not medals on you for anything that you and daring enough. They closed in on have to go through this agony again. ever did." He lost his temper but the us and the rattle of their machine guns Meanwhile the pilot had seen the rest of the boys soon brought him to could be heard above the roar of my engine, so close were they.

The Huns decided to try other tacother sergeants made me feel that they tics. One of them started to climb The Hun machine had curved back did not like me any too well. Several while the other kept on a level with us. made a turn during which we ascer- and the way of saying it was uncompli- sition very long. Of a sudden the Hun tained that the man had fallen inside mentary. Finally the Sergeant-Major machine which had managed to get well above us, began to dive (and as he he did this I learned that it did not pay did so its gunner landed a bullet in the Something had gone wrong with the to argue with sergeant-majors when shoulder of my pilot, Captain Robert-

I feared that the captain had been hit the ground with such force that the naissance about thirty miles behind the disabled, and was ready to jump into German lines, our machine and another his place. If he lost consciousness the

Captain Robertson remained conscious. He seemed unable, however, When our period of patrol was over. The Huns, however, had made up to keep control of the machine. We began to descend rapidly towards Hun land and I had visions already of being captured and made a prisoner of war.

To find out in what state the pilot was I shouted at him. Instead of saying a word, however, he pointed up at one of the Huns who had just passed us. That signal, as I presently came to understand, was intended to show me that we were to dive to the ground.

A grand nose drive came. It was made at so steep an angle that the oil rushed out of the breather pipes and covered my face. It also blinded my goggles so that I was obliged to waste time in wiping them off with my handkerchief.

But that was soon done. There was a whole drum of cartridges, on the machine, and as the Hun came to my level I let fly at him. I saw him raise himself, then he dropped back in his seat -dead.

With that machine out of the way the pilot pulled ours up once more, and soon we were headed for home.

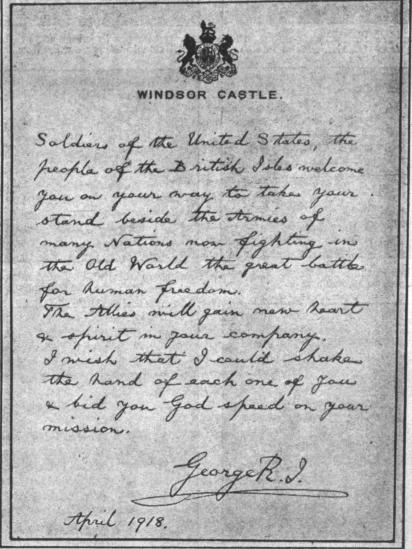
Captain Robertson was getting weaker all the time, however, and I began to doubt whether we would get over the line. In the course of our fight with the Hun machines, we had gone back over the German lines, as I now discovered, and our speed had fallen off alarmingly.

I am not much of a praying man, but right there I said the little prayer my old mother taught me. Meanwhile, I kept my eyes open for the remaining Hun, who was still near us. I hoped that he would decide to stay away for I had only one drum of ammunition left-forty-seven rounds. He was obliging enough to do this.

But now we were again within range of the German anti-aircraft batteries, which began to fire at us. They hammered away industriously, but luck was with us.

We crossed the lines without further injury and landed at a French aero-

King George Welcomes Our Troops to Britain



This is a fac-simile copy of the letter of welcome King George addressed was interested in seeing what I was to our troops when they arrived in Great Britain. (British Official Photo). drome. Though disabled, my pilot made a very fine landing. He was bandaged up by the French and sent by motor car to the hospital. I telephoned to the commanding officer of the squadron to tell him what had happened and he sent another pilot down to get the machine. On our arrival at the squadron My good wife is learning to knit, to aerodrome I was welcomed by the aerodrome I was welcomed by the commanding officer and learned that And look, as she frets in a panicky fit, the other machine which had accompanied us had been helped out of a tight fix by two French machines.

brought down two of the Huns, the third having made a rapid retreat as a My good wife is learning to knit, to captive balloon of ours had observed.

From the same captive balloon my I've had nothing to eat since the knit-ght had also been seen, and its obfight had also been seen, and its observer reported that the machine whose pilot I had shot nad come down with a crash behind the riun lines.

My month of probation was not yet My good wife is learning to knit. over and such time as I did not spend in the air had to be devoted to study. Finally I was sent to H. where at the headquarters of the Royal Flying Corps I was told that I was to proceed to England to get my officer's kit, this being the first intimation that I had been given a commission. Needless to say, I was as proud as a peacock, and the prospects of seeing England again increased my happiness. There was no holding me, and I blew myself to a wine dinner in a little French hotel. I was a stranger and for that reason had to celebrate all alone. The celebration ceased on the arrival of my train.

CHAPTER X. My Commission.

RRIVED in London too late in the evening to report at headquarters so decided to have a look at Piccadilly Circus, which I had no difficulty in finding this time. I also met two boys from home, who were on leave, and the three of us went all over town, finishing up at Murray's Club, which was then open all night.

After a short period of enjoyment, I settled down to business, getting ready, among other things, my officer's equipment. The uniform I now put on impressed me very much more than did the one I had donned in Canada. It was a novelty to have the Tommies and non-commissioned officers salute me. But that sensation soon wore off; there were so many of them that my right arm was nearly paralyzed by night

There is nobody who can take the conceit out of a man as well as one's to hitting me." friends. I had my picture taken in my uniform and sent photographs to some friends at home who promptly discovered that the old uniform had fitted me on my way to France, meeting at the church. "I just come to see of you port of embarkation a pal from my end of the world, James Newton. He was an officer now, but said that he would can't even play a mouf organ." not salute me if I were a general.

I had orders to report to the embarkation officer in France, and he sent me to one of the aircraft parks further the history of the cities mentioned in inland. The commanding officer of the the Bible. squadron to which I had been detailed gave me what seemed to be a chilly the first query. reception.

"I don't know anything about you at all, old chap," he said, as he sized me up. I was dead tired and hungry and did not care whether he knew anything about me or not.

"Well, give me something to eat," I said, "and a bed for the night. Tomor row we can call up headquarters and find out where I am to go."

en when I got there.

(Continued on page 753).

"By the Way"

LEARNING TO KNIT.

At the blood of her loving eye. Knit, knit, lickity split,

Bound and determined to finish her bit, Casting and purling, disdaining to quit, Between the three of them they had My good wife is learning to knit.

knit.

Our home's in an awful mess;

And I won't have, either, I guess.
Knit, knit, doing her bit,
Nothing to eat till she comes out of it—
Was ever a fellow so pesky hard hit?

LOOKED SPEEDY.



The tall, fidgety man hurriedly entered the depot and, addressing a bystander, asked: "Do you think I can catch the flyer for Chicago?"

The man addressed slowly surveyed the other's long legs and, slowly removing the cigar from between his lips replied: "Well, it looks like you ought to, but you'd better hurry, for she's been gone half an hour.'

Don't waste any vinegar on your countenance.

CONSERVATION HINT.

Greater love hath no woman than this: that she keep her mouth shut when she has something on her enemy.

"Papa, what do you call a man who runs an auto?"

"It depends upon how near he comes

NOT MUSICAL.

"I can't stay long," said the chairmuch better. A week later I was back man of the committee from the colored wouldn't join the mission band."

"Fo' de lan' sakes, honey," replied very much surprised to see that I was the old mammy, "doan' come to me. I

> The Sunday-school teacher put to her class a number of questions touching

> "What happened to Babylon?" was

"It fell," said one boy.

"And what became of Ninevah?"

"It was destroyed."

"And what of Tyre?"

"Punctured."

AGAIN.

How dear to our hearts was that good old tired feeling we used to ex-I managed to get some food all right. pect as a symptom of spring. We used but no place to sleep. The command- to lie down and gaze up at the ceiling ing officer of the squadron spent a good and vow that we simply could not do a part of that evening getting in touch thing. They dosed us with gentian with headquarters, and when at eleven and sulphured molasses, and they urgo'clock he had finally managed to do ed us to travel to lovelier scenes; they that I was packed into a motor car and fed us on tonics from bottles and glasssent to the headquarters in question. es, and begged us to try one more It was a three hours' drive to get to plateful of greens. That good old tired my destination, and I was almost froz-feeling, that work-dodging feeling, that splendid tired feeling that came in the



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Proper Kind of Slacker

afternoon, reading or doing fancy play before the bell rings. work, or maybe gadding the streets, most of them. Some, secretly, and and with five working it is soon clean- not half so much as I do a nagging plate weighted if necessary, and at envious, and wished they could do it, night, or put it on the cellar bottom, tween dusting and losing my temper, be over the top. No uneasiness need too. But they couldn't. "What would and can it first thing in the morning. or keeping both dust and temper, I be felt should the solution thicken and folks say?" was too strong for them.

and the girl—this was the good old and a selfish husband, and worse—a of all three." days—went in to "help out." When mother always tired and scolding. If the woman got up again the girl stayed on and they worked together.

"I've always planned every way I could to do my work in the quickest and easiest way," explained the woman, "whether it was the way my grandmade a solemn vow I would not spend food administration: all my time doing housework, and I haven't. I've always had time every day to change my dress and rest and read in the afternoon unless there was sickness. Even in canning time I make it a point not to work every minute.

"To begin with, I have a schedule. I never could get through just working haphazard. Monday I tidy up, mend and put the clothes to soak; Tuesday, wash; Wednesday, clean silver and cupboards; Thursday, iron; Friday, clean the house except the kitchen, and Saturday clean the kitchen and do all the baking that is done for the week. No woman can do all the work expected of her and keep up, so I leave out half what the rest do. My 'man' thought when we were married he had to have home-made bread, but it didn't take him long to decide that he'd rather eat bakers' bread and have a companionable wife, than to have homemade bread and a wife who was always tired out and catty. He used to like rich frosted cakes, too, and he always had stomach trouble. He's found out with a simple sponge cake once a week and fruit or plain puddings for dessert he is just as well pleased and flour, using 11/2 cups rolled oats ground much better as to health. So I've not in food chopper instead of the corn only saved myself a lot of work, but flour. I've saved money and improved our physical condition by cutting out so much baking.

"Washing I've robbed of its terrors by using preparations to loosen the dirt and save rubbing. Paraffin will not injure the clothes, and if melted with the soap and added to the boiler of clothes, half the rubbing is cut out. Of course, I have to rinse with hot wa- dry ingredients, cut in the fat and add ter, but that is easier than breaking the liquid. For individual servings, my back over a washboard. Ironing place dough on slightly floured board, is made simple by putting away at pat to three fourths inch thickness and once all knit underwear, stockings, cut as for biscuit. If a large shortcake vogue for preserving eggs, most of confessed and unforgiven lying heavy bath towels, dish towels and dust is wanted, place dough in well-greased them fairly reliable. Different house- on the wee conscience, a pair of uncomcloths. I've seen some of our women biscuit tin and pat to desired thickness. wives have different formulas and it fortable shoes, even a heartily disliked stand in a hot kitchen on a boiling These shortcakes are light and ten- is hardly to be expected that all should hat that maternal authority says must August day and iron salt-bag dust der. An egg added to rice or corn unite upon one. Some women prefer be worn. Before resorting to medicloths. But not I. I'd rather be on the flour makes a softer dough.

in the little village where I grew dows open. At noon two boys go up- tired out, and all have a little time to July last year kept a full ten months up. At least, the most of the stairs and with one on each side it play. Of course, there are days when in excellent condition, or until the last neighbors said she was—and they could takes only a jiffy for them to make things pile up, but I stop the minute I one was gone. prove it. She didn't work afternoons! them, while the other boy and I whisk begin to feel exhausted. I figure it out And she had a husband and three chil- the dishes out of the way. The boys that the work will be here toromrow, nine pints of boiled water. The soludren and a great big ten-room house, might better be doing that than hang- and if I keep on too long I may not, tion may be mixed while warm but no How any woman could do all the work ing around a street corner, I figure, So I stop and rest, and let the work that meant, and find time to sit around and they still have plenty of time for wait for me. It always seemed wicked

When mother always tired and scolding. If

HERE was an awful lazy woman soon as we get up, and leave the win- each one does a little no one is ever tried. Eggs. put in this solution in to me, for women to work all day long stone crocks on the cellar bottom. Be "When I get fruit to can I always and then entertain the family at night was beyond the virtuous housewives have it delivered late in the afternoon. With a tale of how tired they were and of our town. That is, it was beyond Then we all sit down after supper, how abused. I hate a dusty room, but two or three quite openly, were frankly ed. I let it stand in the sugar over woman. So if I have to choose be- least two inches of the liquid should "You see I work it by letting every- pick the latter. It is surely as neces- assume a soapy condition after a while. A neighbor girl found out how it was body help. I figured it out that an un-sary to feed your mind and soul as to So long as the eggs are well below the done. One spring the woman was ill selfish mother meant selfish children feed your body, so I try to take care

DEBORAH.

Wheatless Shortcakes Some

mother did or a way I just thought up recipes have been worked out in the liquid. The flavor of oat and corn is myself. When I was first married I experiment kitchen of the government

Barley Shortcakes.

- 1 cup liquid.
- 4 to 6 tablespoons fat,
- 1 tablespoon of sugar,
- 1 teaspoon salt,
- 6 teaspoons baking powder,
- 4 cups barley.

Corn Flour Shortcake.

- 1 cup liquid,
- 6 to 8 tablespoons fat,
- 1 tablespoon sugar,
- 1 teaspoon salt,
- 6 teaspoons baking powder,
- 2% cups corn flour.

Rice Flour Shortcake.

Follow direction for corn flour, using 21/4 cups of rice flour instead of corn

Barley-corn Shortcake.

- 1 cup liquid
- 6 tablespoons fat,
- 1 tablespoon sugar,
- 1 teaspoon salt,
- 6 teaspoons baking powder,
- 2 cups barley flour.
- 11/3 cups corn flour. Barley-oats Shortcake,

Follow directions for barley-corn

Corn-oats Shortcake.

- 1 cup liquid,
- 4 tablespoons fat,
- 1 tablespoon sugar,
- 1 teaspoon salt,
- 11/3 cups corn flour,
- · 1½ cups ground rolled oats.

All measurements are level. Mix the

The following wheatless shortcake spoon of soda dissolved in one cup of especially good. The shortcakes made and flakey and similar in appearance to wheat flour

Do not split these cakes as they crumble easily. Pile strawberries or other fruit on shortcake. Add whipped alive mother with a Comanche child. cream, if desired, and serve. These shortcakes can be used instead of pie crust in a great variety of desserts

SUGAR RATIONS.

This season of the year suggests States Food Administration answers their present supplies for the time dance. when they begin to put up summer fruits for winter use.

further limited by the fact that Amer- clock standing on a dresser not far source for sugar, and that source is loud and insistent tick. The clock was improvement in shipping facilities began to gain within a few days. The housekeepers cannot get the pre-war light from a corner street lamp falling supply of sugar.

PRESERVING EGGS IN WATER-

BY ELLA E. ROCKWOOD.

The slightly acid taste of barley may some use other mediums. The use of cause and nature will work wonders in "The beds we all throw open as be overcome by using one-quarter tea- the so-called waterglass, however, is restoring lost nerve equilibrium.

far superior to any of these as a single trial will prove. After giving this method a personal trial I am ready to recommend it over any method ever

Use one pint of the waterglass to eggs should be placed in it until it is thoroughly cold. Keep preferably in sure the eggs are fresh. They may be put in a few at a time if more convenient. Keep under the surface with a surface they will be all right. Housewives will do well to abandon other methods of preserving eggs in favor of this one. Twenty-five cents worth of the preparation will cover from six to

THE NERVOUS CHILD

BY L. M. THORNTON.

Some children are as stolid as from corn or rice flour are very white Comanche Indians, and some are little bundles of nerves that shrink from an unkind word. Nothing is more pitiful than to see the sensitive child with a stolid mother, or a high-strung vitally

> The nervous child is very seldom created nervous; she is made so by environment, and the cause being removed, she is very apt to prove only the sensitive child after all.

Never refer to the peculiarities of a child inclined to be nervous. If she summer fruits, canning, preserving and draws down the corner of her mouth the sugar supply. Three pounds per ignore it; if she puts her finger in her person per month, the voluntary ration, mouth, ignore it unless the habit seems permits little margin for preserving, forming, and then the wearing of a and careful householders are asking, finger cot will remedy the trouble with-"will there be more?" The United out need of reproof. If she has an unpleasant way of walking a step behind that it is endeavoring to supplement you, to your anxiety, ignore it. Better this allotment and provide ample sugar any of these little things than a child for the home canning season. Provi- who, from frequent chiding becomes dent housekeepers, however, can coop- super-sensitive or whose over-taxed erate with this plan by saving from nerves bring on an attack of St. Vitus

One very sensitive little child became suddenly much worse, losing On account of the shortage of ships flesh and starting at the slightest the January and February sugar re- sound. She slept in the same room ceipts in this country were far below with her parents, in her own little bed, those of the corresponding months of and her mother, being of the same temlast year. Our sugar supplies are perament, discovered that an alarm ica and the Allies draw on the same from the little bed had a peculiarly principally Cuba. So even with an removed to another room and the child on another child's face was proving alike mischievous when the trouble was discovered and the position of the bed changed.

If a child becomes suddenly nervous look for the cause. It may be a teas-There are a number of methods in ing companion, some little misdeed unto pack eggs in oats, some in salt and cines, search out if possible, this primal



FOOD DEPARTMENT'S EXPERI-MENTAL KITCHEN.

An experimental kitchen where substitutes for wheat are being tested has recently been established and equipped by the Office of Home Economics. In this kitchen some of the good old recipes which were in use fifty and seventy-five years ago, when corn. buckwheat, rye and barley were in more common use, are being revised and standardized, and new recipes in which wheat substitutes play an important part are tested and standardized. A group of women-laboratory specialists and housekeepers with specitl training-work side by side in the new kitchen. Before a recipe is made public it must not only pass the test of the laboratory specialists but must also meet the test of actual experience in the hands of a housekeeper who studies it for its practical value in the average kitchen.

BUTTER A NECESSITY.

Experiments conducted recently by leading scientists and chemists have tutes, composed of fats and vegetable As a food, butterfat contains cernormal growth in children does not name of Smith. take place.

is a luxury rather than a real food English, its men followed the English necessity.

pounds of lettuce; 3½ dozen eggs; of oysters; 34.3 pounds of tomatoes.

Every housewife should, in her study ily.-Col. Ag. College.

AVOID CANNING COMPOUNDS.

season canning compounds and preserbles will no doubt appear. The United ron eating pork and beans. That led States Department of Agriculture ad- to my being known to the commanding servative. They are usually made with salicylic acid or boric acid as a base. -Salicylic acid is a poisonous substance a rag time record on our phonograph and its extensive use leads to indiges- popularly known as "Casey Jones," the tion. If food is properly cooked and same Casey Jones who went down on stored in sterilized cans, with new rubbers, it will keep without any com- by heart and used to sing it at the

for canning? Strawberry season is us. But my Casey Jones song continhere and from now on canning will be ued to be a feature of the concerts, the order of the day. Estimate how hence the nickname. much you will need, basing the amount ask your grocer for a sugar card.

HOME QUERIES.

Household Editor.-I have an ice box boy, as I soon found out. Household Editor.—I have an ice box which I enameled a few years ago with what was supposed to be good refrigerator enamel, but it smells so strongly of paint I cannot use it. Could you advise me what to do with it, or give me the name of some good enamel that I can put on? I have tried everything out the give "8" Looking in the discount of the strength of the str

doors, unopened? Charcoal is the best on reconnaissance behind our lines. thing I know of to absorb odors. I Our "Archie" guns were hammering at could not give the name of any enamel them and before long one of the Hun in this column. You would have to machines detached itself from the send a stamped and self-addressed en- flock and headed for home. velope for that.

A FLYING FIGHTER.

(Continued from page 751).

At headquarters I met a good old staff colonel, who did his best to make me comfortable, so that soon I was sitting beside a fire and had a glass of Scotch beside me. A little later they had found a nice room for me and I was asleep in less time than it takes to tell it.

During the day I was called into the office of the Colonel and was then given my route orders and instructed to report to a squadron in the south. I had been attached to a squadron in the part of France to which I was going and I wondered whether my orders would send me there again.

I should have liked to get back to that squadron, but it was not to be.

The commanding officer of the squadron to which I was attached gave me to understand that his was the crack organization of the corps, but they all do that. After that he told me minutely what he expected me to do, and, believe me, it was a whole lot.

He seemed quite nice about it, so I made up my mind to do my best.

About a quarter of a mile away from the aerodrome was a little wood into which the Boches were in the habit of putting shells all through the day and night. In the woods was an Armstrong hut which was assigned to me as my given a sure foundation to the dairy- quarters, and my real flying life had man's claim that butter-fat is a better begun. Next morning I was given a food than the many so-called substi- set of maps of the country we had to work in and, from the number issued to me, I arrived at the conclusion that growth-building and life-giving this squadron covered most of France. properties, properties without which I was also assigned to a pilot by the

It was in this squadron that I re-Too many hesitate to buy butter ceived my first nickname; it happened when prices are high, thinking that it in this manner: The squadron, being custom of having breakfast at seven in One pound of butter on an energy the morning, lunch at one in the afterbasis equals: 11.6 pounds of potatoes; noon, tea at four, and dinner at eight three loaves of wheat bread; forty or nine in the evening. The breakfast was very good, but lunch was a cold four pounds sirloin steak; eight quarts meal with canned tongue or a cold ham and salad. In the parts of the world that I came from we have the of economy, give careful consideration habit of calling the midday meal dinto the above facts before she elimi- ner, and it was the big meal of the nates butter from the diet of her fam- day. For that reason I found it hard to get used to this cold meal. I felt the need of something warm in the middle of the day, so I went to A. and there bought myself about fifteen cans With the approach of the canning of pork and beans. The cook used to warm these up for me for lunch, and vatives to use with fruit and vegeta- it was not long before I had the squadvises housewives not to use any pre- officer as "Beanface." The name stuck.

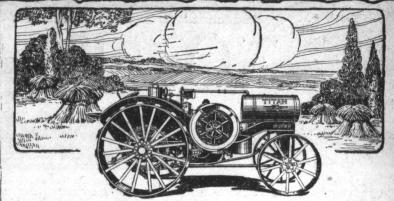
Before long I had another nickame -Casey. That name came to me from the Robert E. Lee. I learned the thing weekly concerts we gave our men. The concert always was a big affair and we Have you signed your card for sugar used to get a batallion band to play for

As I said my pilot's name was Smith. on the quantity you used last year, and I called him "Smithie." His other name I never learned.

Pilot Smithie was a good sort and aside from having a wholesome fear of "Archies," Hun ne was a brave

to get the smell out but have not succeeded.—A. G. Have you left the refrigerator out- ground I saw eight German machines

(Continued next week).



International Tractor Service

WISE tractor buyers insist upon these three features in their machines: The tractors must operate on the cheapest fuel a farmer can buy. They must be so simple that the farmer or his help can learn to operate them. They must do enough good work in the field and at the belt to more than pay for themselves. International, Mogul and Titan kerosene tractors meet all three of these derivations. of these demands

International Harvester tractor owners get, through our 89 U.S. branch houses, a service that enables them to keep their tractors going whenever there is work for them to do. It includes necessary instruction in the care and handling of the machines, both before and after purchase; the supplying of repair parts as promptly as circumstances will allow; and the furnishing of expert help for the more difficult repairs.

Keep this service feature in mind when you come to buy your

tractor. It applies equally to our Mogul 10-20-h. p., Titan 10-20-h. p. and International 15-30-h. p. tractors. It will be difficult for us to furnish your tractor as soon as you want it. The demand is hard to keep up with and shipping facilities are very much handicapped. Send for catalogues now. Be ready for the heavy rush work.

International Harvester Company of America

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nds of experiments

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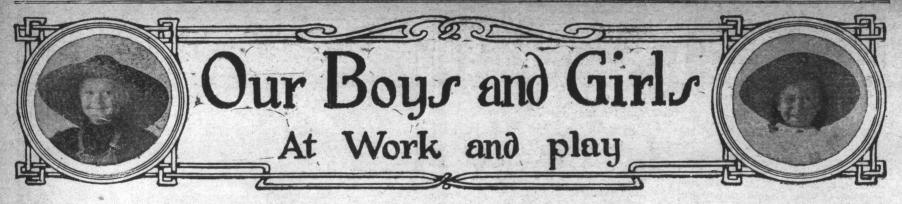
telling the facts on oil stoves— why you want long burners and short chimneys instead of long chimneys and short burners— how I give you 50% more wick— how you can heat vessels quick-er and with less oil—boil water for 26 hours with one gallon of oil. I give you real deep brass burners

I give you real deep brass burners with short chimneys that put the hot flame right up under the cocking vessel. Broad top, crystal glass oil tank, oven lined with asbestos. You cannot compare Boeck's Blue Flame with usual oil stoves. A free trial proves it. Send it back if I am wrong. Write today for low fac tory price and new catalog. Address eck Stove Co., Dept. D, Jackson, Mich.

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How the World's Business Is Transacted - By COMFORT A. TYLER

point a little more.

safety valve for you.

explained it to him he insists that it is make the purchase. not good business for you to make this debt, the chances are ninety-nine in one hundred that he is correct and that you had better pass it by.

Many times you will see something that you want or think at the time you want, and the eager salesman, ever ready to do business, urges you to buy it then and there, and "pay when you can," and perhaps on the spur of the moment it looks easy to you and you may "fall" for it before you have really had time to think just where the money is coming from to repay, or really whether it is a good buy for you at all or not. This habit of borrowing only of your banker will prevent any of these snap purchases or spur of the moment buys, and this in itself becomes an asset to your education.

It is not a good plan to buy on credit of anyone who will sell you, or to borrow money here and there, anywhere that it may be had, first, because it will surely come to the notice of your banker and he will very soon begin to wonder where the end of it all is and too many of us pursue one may hardly

this make you afraid. It is never too and you are wrong. late to mend. Go to him frankly and In any event, I am ready now to county.

YOW I want to talk to our boys start right here—at the bank, never and girls a little more about the going in debt anywhere but with your matter of going in debt. I touch- banker, for he is in the money-lending ed on this point in one of the former business and has studied its every articles but want to emphasize the phase and is in a position to know perhaps better than you yourself know Don't be afraid to go in debt, in fact, what will be wise and safe for you to court it if you please. The only thing do and will advise you perhaps to your to be afraid of is what you go in debt own financial salvation. If you don't for and to whom you incur this indebt- know how much you do owe, rest assured he will know if you owe to him If I were to lay down one hard and only as you should do. You will find fast rule and one that I have person- it the very best safeguard that you ally always adhered to it would be can erect for he will at once ask you never go in debt to anyone but your -what do you want with this money. banker. First, it is good business to Tommy, and perchance when you have do this, and next, it will prove a told him he will point out to you that monthly conferences. it is not a wise thing for you to bor-When you go to your banker and ask row this money, and he will tell you him to lend you some money he is so just as frankly if your credit is good been in Michigan during the past two ters are about to be organized. more than apt to ask you what use and you have offered abundant secur- weeks assisting in the organization of you intend to make of it, and here is ity, as he will if it were not so, if he community canning centers. your safety valve-if, after you have thinks it is not to your interest to

A country banker must and does Saginaw county. Mr. Pressley is now

along right lines, to make you provi- most service to most people.

cess of his life just as surely as the dent and thrifty and to see and know springtime will follow the bleak winter. the needs of others, as well as your-I can look back among the boy and self. To show you very early in life girl acquaintances I have had and in how you may advise and direct some case after case I can see the assur- other person who has not been so forance of the truth of this observation, tunate as yourself, and in turn be a and, too, little friends, I think it really help to them, and this is the final test makes better boys and girls of you, it in life anyway-viz, how to do the most has a tendency to set you thinking good in your sphere and how to render



Boys' and Girls' Club Notes

Conducted by E. C. Lindemann



The Boys' and Girls' Club Leaders' Conference in Detroit on May 28-29 was attended by eighty-five leaders from all sections of the state. It was county. the most successful of any of the

George E. Farrell, of the United States Department of Agriculture, has

Reuben Trippensee has replaced C. P. Pressley as County Club Leader for

Ralph Sill, East Jordan, Charlevoix

J. F. Rutledge, Goodrich, Genesee

Community canning centers are being organized at Battle Creek, Grosse Pointe, Bloomfield Hills, Jackson, Lansing, and East Lansing. Fifteen cen-

There are forty-three poultry clubs now in operation in the state.

The annual school for club leaders will be conducted at the Michigan Agricultural College, East Lansing, from July 9 to 13. Persons interested should write to Dean E. H. Ryder.

Upper Peninsula club leaders will hold a conference at Marquette during the week of June 24. All interested persons are invited. Write to R. N. Kebler, Marquette, Mich.

Following are some new songs which were used at the Detroit Club Leaders'

> Are you gard'ning? Are you gard'ning? Boys and girls, Boys and girls.
> Food will win the War,
> Food will win the War.
> Hoe your row, Hoe your row.

> Are you canning? Are you canning? Boys and girls, Boys and girls. Food will win the War, Food will win the War. Can all you can, Can all you can.

The Kaiser looked over the Ocean; The Kaiser looked over the Ocean; The Kaiser looked over the Ocean; The Kaiser looked over the Ocean To see what he could see, To see what he could see,
To see what he could see,
To see what he could see,
The Kaiser looked over the Ocean to
see what he could see.

We're coming Uncle Samuel, with our brave little band; Fred Godlove, Iron River, Iron On the right side of Hoover we now take our stand. We'll raise all the food that ever we

can, And what we can't use we'll learn how to can.

Down with old Kaiser Bill, Down with his gang.
And when we get 'em down, we'll keep 'em down, down, down. (Note.—Clap hands in place of last

'em down, down, down. And when we get 'em down, we'll keep 'em down, keep 'em Keep 'em down, down, down, down.



The Old Swimming Hole.

Sometimes you may feel a bit hurt if ing 679. realize one's self just how deeply in- he does not fall in readily with your volved one has become until some day views of the matter and advises Duthie have joined the staff of club The Michigan Boys' and Girls' Clubs; we are brought up with a snap, facing against lending you the money, but workers for the state. They will speth Michigan Boys' and Girls' Clubs; the fact that we have more obligations don't get angry, just let it rest a few cialize in canning club work for the As busy as they could be, As busy as they could be. due than we can care for and then we days, think it all over carefully, and summer.

As busy as they could be,
As busy as vice, which is good, and have not been sire, he from the cold logic of busiconsulting with your banker, don't let ness sagacity. Probably he is right county.

tell him just what your needs are, tell make a venture guess and take a him exactly how you are situated and chance on the success of the farmer county. what your obligations are-do not con- boy or farmer girl that starts out first ceal one single dollar of indebtedness, with a savings account in the bank county. for if you are to seek his assistance at when young, who adds a little somethis rather late day he is entitled to thing to that account every month no county. know, and you are entitled to tell him matter how small-it's the system that every single bit of business obligations counts for the beginning, never goes county. you have incurred, and if you are in debt except to his banker, makes a worthy of enough credit to help you friend and confidant of the banker and pewa county. by, he will no doubt grant it, but how gives heed to the advice offered-that much better it is to start right-and boy or girl will make a business suc- county.

have a feeling of insecurity as to your have the best interests of his custom- at Camp Custer. Club leaders and responsibility and then again with the ers at heart all of the time. I have club members may write him in care careless methods of business that all rarely known an exception to that rule. of Company G, 337th Infantry, Build-

Miss Emily Castle and Miss Eva

Milton Townsend, Dearborn, Wayne

Frank D. Martin, Petoskey, Emmet

Ray E. Cheney, Ewen, Octonagon

B. H. Belknap. Grand Marais, Baraga

Gunderson, Ironwood, Iron ounty. two downs as variation).
Guy Gamble, Sault Ste. Marie, Chip. And when we get 'em down, we'll keep

John Kuder, Wakefield, Gogebic

POULTRY QUERY DEPARTMENT.

Tuberculosis.

Tuberculosis.

I have been breeding fancy stock for some time and have always fed good wholesome food. I have kept the coops as sanitary as possible and well ventilated. Have had very healthy fowls for some time but now something is wrong with them. My very best hens will be laying right along and from all appearances are in the best of health. All at once they will get lame and will gradually get thin. They are rather notional about what they eat, and do not drink any more than the well heas do. As they get thinner the droppings get yellow and greenish, and sometimes there is dairrhea. Some will die very soon after becoming lame, with their comb and wattles looking as if they were in perfect health; others will limp around until they are so poor that I kill them. All that I have opened, and I have opened nearly every spotted liver and when cut into it is full of little round bunches, some as small as a pinhead and some as large as a pea. None of the other organs seem to be affected.

After careful thought, we are led to believe from the symptoms you give

After careful thought, we are led to believe from the symptoms you give that your fowls have tuberculosis. In this disease the liver is the organ which shows the effect more than any other, and when it has the raised-like nodules from the size of a pinhead to that of a pea, one can be quite sure that tuberculosis is the disease. The spleen, which lies near the liver, is also usually quite enlarged, and qccasionally the intestines will show these cheese-like nodules. Several other diseases affect the liver, but none of them have these characteristic raised spots:

The lameness is due to tuberculosis in the joints, and the yellowish and greenish diarrhea is also an indication of this trouble. I would suggest that you kill all the birds that are thin or show indications of being in any way abnormal. Place the rest of them in a sanitary, well ventilated coop, which should be on new ground. Then theroughly renovate the old coops by collecting all the droppings and litter from the floors, scrape the walls and ceiling, cleanse all hoppers, drinking fountains and roosts and saturate everything in the hen house and yards with a reliable commercial coal-tar disinfectant prepared according to the directions given by the manufacturers. Be sure to do a thorough job in disinfecting and repeat the application in

It is also advisable to board up all spaces under hog pens, corn cribs and other outbuildings where hens may stray. Fill in with dirt all sink holes and hollows and put in crops where ever possible all places where chickens have been allowed to run. Be sure to burn or bury very deeply all the fowls you kill. If the old coop is so built that it does not allow of proper ventilation or permit of sunshine, remodel it so that these defects are remedied.

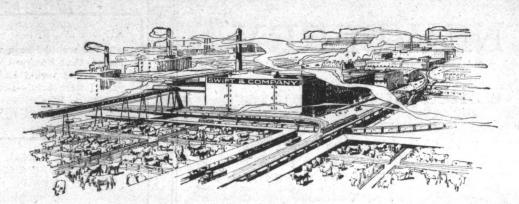
We would suggest that if you are still in doubt, consult a local veterinarian before taking any drastic action.

Cottage cheese made without season ing is one of the safest and best foods poults. It furnishes protein in abundance and they thrive on it amazingly. The turkey mother may be trusted at large with the late hatch and will range the fields with the young where they destroy great numbers of insects. A regular feed at night will bring them home.

In order to keen vermin in check in the poultry-house nests, perches and walls should be frequently cleaned and thoroughly disinfected. Hens will not lay if they are tormented at night by mites, and during the day by lice. Cleanliness in the pen is essential to success in poultry raising.

Hens and chicks require a large amount of water during warm weather. See that the drinking fountains are filled with fresh water every day.

Give the growing chicks access to shade if possible. The orchard or corn field makes an ideal place to rear



A business that is as big as its job

KEEPING a nation of over 100° million people regularly supplied with meat and meat products is a big and complex job.

And a still bigger job when to it is added the needs of the American soldier here and in Europe and of the Allies as well.

It is a job of converting the live stock of the West into meat and meat products and distributing them in perfect condition over long distances to the consuming centers the North, South, East, West and abroad.

A job of supplying with unfailing regularity products that in the main are perishable, in the exact qualities and quantities needed, to the smallest out-of-the-way village as well as to complex and congested metropolitan centers.

Only organizations like that of Swift & Company, with its highly-

specialized methods of meat-dressing, its hundreds of branchdistributing houses, and its thousands of refrigerator cars, could have handled such a job efficiently and at a minimum of expense in the present war emergency.

Today American meat and meat products are the recognized standard of the world.

And the economy with which these products are produced is indicated by the fact that today the meat of a steer, dressed, is sold for less than the cost of the steer on the hoof! The proceeds of by-products, made out of what once was waste, have made this possible.

The size of the job has dictated the size of America's packing industry. And America's packing industry has proved itself to be equal to its job.

Swift & Company, U. S. A.

A nation-wide organization with more than 20,000 stockholders



POULTRY



Hatched for **Cents** Each

They do. Let us prove it to you. We will hatch your eggs at 5c per chick hatched, and for less if you get a poor hatch. We furnish container for eggs to be sent us and boxes for your chicks. Both sent parcel post.

Our Capacity --- Two-thirds of a Million or 40 Tons of Eggs Every Three Weeks

We also sell purebred Barred Rock, White Rock, White Leghorn, Brown Leghorn, Buff Leghorn, White Wyandotte, Rhode Island Red, Black Minorca and Ancona chicks. Lowest Prices. Safe delivery and satisfaction guaranteed. Send for catalog.

THE SMITH STANDARD CO., 1967 W. 74th Street, Cleveland, Ohio

BRED-To-Lay S.O.W. Leghorns and Barred Rocks. BEggs, \$1.25 for 15, \$2 for 26, \$3.50 for 50. ALPINE POULTRY FARM, B.2, Grand Rapids, Mich.

HOMESTEAD

send for circular and price list. Pullets and Hens

Do you know that the chicks hatched by cost you 22 cents each?

We have a few S.C. White Leghorn and S.C. Black Minorcas one year old pullets, now laying, that will give eggs thru this Summer and next Winter and that will make fine breeding stock for next Spring. Send for prices in six, twelve, or twenty-five. Black Minorca Cockerels to mate with the linens. HOMESTEAD FARMS, Bloomingdale, Mich.

BARRON ENGLISH 240 EGG

BARKUN ENLLISH 240 Ett
strain White Leghorns. Heavy winter Layers. No
better Leghorns in laying ability, type, size and very
vigorous and hardy. Bed to lay and pay. No SHOW
stock. Winners at all laying CONTESTS. 1900 yearling hens for sale at \$1.25 each. Special summer
prices. Also 3,000 pullets at \$1.50 each and up, as to
age. 1,000 choice breeding oookerels March hatch
large vigorous males from 256 egg-bred hens
for next year's breeding pens, buy NOW and save
money. \$1.25 each special prize if ordered now for
Sept. delivery or later. Write us your wants and
send for circular. Devries Leghorn Farm & Hatch
ery, Box 222A, Zeeland, Michigan.

BREEDING COCKERELS
Bred-to-lay S. C. White Leghorn and Barred Rocks.
Would advice ordering early, Price reasonable, Write us
your wants. Sunnybrook Poutkry Farms, Hillsdais, Mich.

FOR SALE-8. C. White Leghorn Chix \$12 per 100; hens \$1.25. Ferris 200 to 264 egg strain. Herbert Hammond, Williamston, Mich.

FARMS Chicks Chicks Chicks

250000 for 1918

Strong chicks from pure bred farm stock, that as hatched right. Have chicks of utility and exhibitic quality. S.C. White and Brown Leghorns, \$10,50 per 10; Barred Rocks, \$13,00 and \$15,00 per 10; Barred Rocks, \$13,00 and \$15,00 per 10; R.C. and S.C. Reds, \$13,15 and 15,00 per 100; White W andottes, \$14,00 and \$16,00 per 100; S.C. Aneonas, \$13, and \$15,00 per 100; S.C. Black Minorcas, S.C. Bai Orps, and White Rocks, \$18,00 per 100; Odds and End \$10,00 per 100. Guarantee safe arrival. Ship by passed in the safe per 100 per 100, Guarantee safe arrival. Ship by passed in the safe per 100 per 100

Hubers Reliable Hatchery, 333 West Fremont Street, Fostoria,

BABY CHICKS

\$5.50 per 50; \$10 per 100. S. O. White and Brown Leghorns. Bred for egg production. Safe arrival guaranteed, Express or parcel post. Oxfalogue free-Wolverine Hatchery, Box 202. Zeeland, Mich.

Barred Rocks EGGS FROM STRAIN with records to 290 eggs a year; \$2 per 15. Delivered by parcel post, prepaid. Circularfree, FRED ASTLING, Constantine, Mich.

BUFF Leghorns-All stock and eggs at reduced prices for the remainder of the year. Buy now for next year. Dr. William Smith, Petersburg, Mich.

Chicks from our Bred-to-Lay White Leghorns. Fer-ris and Young strains \$10 per 100: from our Barred Rocks, Thompson strain, \$15 per 100. RUSSELL POULTRY RANOH, Petersburg, Mich.

Choice Chicks; June and July Brown or heavies at 14c, Also Minorcas, Anconas and Buff Leg-horns at 15c. Orescent Egg Company, Allegan, Mich.

Additional Poultry Ads on Page 759

NEWBERRY

United States Senator

The Man Who Does Things



Now as never before this country must have in the United States Senate able men, experienced men, men far sighted and unafraid.

TRUMAN H. NEWBERRY is such a man. He is always to be depended upon. He is not a dreamer, but a worker, a man who does things. He is a business man of rare judgment. He is unhesitating and well-balanced. His breadth of vision, his ability to handle large affairs, and his sense of justice and fair play splendidly qualify him to serve in the United States Senate and to help solve the big problems arising and to arise out of the war.

Truman H. Newberry

Commander Newberry is now serving in the Third Naval District. He is going to continue to stay by his work and to do all he can to help win the war. His friends are actively presenting his qualifications to the people of Michigan as a man who would make a splendid United States Senator. Men of all walks of life are behind the movement because Truman Newberry would be a Senator who would stand squarely for right, for justice and for

Published by The Newberry Senatorial Committee A. A. Templeton, General Chairman Paul H. King, Executive Chairman

(Advertisement)

The Farmers of Michigan Lose Annually

More Than \$2,500,000.00 Worth of Live Stock Horses, Cattle, Sheep and Hogs

FROM ACCIDENT AND DISEASE

The animals are destroyed and their cash value lost not only to the farmer but to the communty, the State. This amazing sum of money can be saved to the farmers and the State if they (the farmers) will but avail themselves of

The Michigan Live Stock Insurance Company

organized expressly for the purpose of indemnifying owners of live stock against death from any cause. We want agents to carry this great message to every farmer.

Colon C. Lillie, Pres. and Sup. of Agts.,
319 Widdicomb Bldg., Grand Rapids, Mich.

Harmon J. Wells, Sec. and Gen. Mgr. Graebner Bldg., Saginaw, W. S., Mich.

BREEDERS' DIRECTORY.

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

We Offer a Few Special Bargains In S. C. White Leghorn cockerels, Rambouillet rams, Hampshire pigs (either sex) and Holstein bulls. A good chance for a small investment to reap the benefit of a large expenditure of capital and years of expert breeding.

Flanders Farm, Orchard Lake, Mich.

CATTLE.

Wildwood Farms

Breeders of Best Strains of **Aberdeen Angus Cattle** and Duroc Jersey Hogs

Several young bull calves on hand, three of which are of serviceable age, out of Black Monarch III, three times Grand Champion, Michigan State Fair. Also several AI Brood sows. Will be glad to correspond with you by letter regarding stock. Write

SIDNEY SMITH, Supt. Wildwood Farms, Orion, Michigan W. E. SCRIPPS, Proprietor.

WOODCOTE ANGUS TROJAN-ERICAS & BLACKBIRDS (BLACKCAPS) only. The most fashionable strains of the breed. Great care given to matings and pedigrees. Every animal BRED IN THE PURPLE. Breeders and feeders of many INTERNATIONAL WINNERS. WOODCOTE STOCK FARM Ionia, Mich.

Registered Guernsey helfer born Oct. 1917.
Her half sister has record of 479
lbs, fat and nearly 1000 lbs, milk with first calf. Also bull calf eligible to register. Cheap.
G. A. WIGENT, Watervilet, Mich.

Cloverly Angus Good quality bulls of serviceable age and younger. Inspection invit-Geo. Hathaway and Son. ... Ovid. Mich.

For Sale-Three Aberdeen Angus Bulls ready for prices reasonable. LANG BROS., Davison, Michigan

GUERNSEYS must reduce herd, so offer Glenwood breeding also bulls, all stock of A. B. breeding, herd tuberculin tested, T.Y. HICKS, Battle Creek, Mich.

Registered Guernseys Two choice heifer caives, \$300. One bull calf with above \$75; this bull calf is no relation to heifer caives J. M. WILLIAMS, North Adams, Mich.

Guernseys—2 Registered bull calves. Good breeding, cheap for quick sale, note accepted in payment. Hicks' Guernsey Farm, Saginaw, W.S. Mich.

Queraseys 45 Registered head, all th. tested. Nora's heads our herd, Bo fh his half siters sold averaging \$1950 each. His bull calves are booked ahead at reasonable prices. Avondale Stock Farm, Wayne, Mich.

For Sale Registered Guernsey bull cal-your May Rose breeding. R. 2, Holland, Mich.

Guernseys-For sale, animals of both sex from A.R. cows.

CLUNY STOCK FARM

When you need a herd sire remember that we have one of the best herds in Michigan, kept under strict sanitary conditions. Every individual over 6 mos. old regularly tuberculin tested. We have size, quality, and production records backed by the best strains of breeding.

R. BRUCE McPHERSON, Howell, Mich.

I Always Have Holsteins To Sell

If wanting Registered cattle write me your wants before placing your order elsewhere. L. E. CONNELL, Fayette, Ohio

OAK Leaf Farm. Herd sire Lenawee Pontiac Cal-amity King offer Registered Holstein bull calves from A. R. O. cows and the above sire whose dam holds the milk and butter record in the state of Ind. 7 days milk 796.3, butter \$2.52—315 days milk 23782.3, but-ter 926, 725. E. H. GEARHART & SON, R. 4, Marcellus, Mich.

Letters from Our Readers

KIND READER:-

We would like a word from you regarding any of the important issues that confront Michigan farmers. Whether you think as we do or not, we would be glad to know your opinion. In writing make your letters brief-short ones are more interesting. Sincerely yours,

THE EDITORS.

AGRICULTURE SHOULD BE TRIED.

For one who has an optomistic view of the hope that agriculture may be placed on a just, constructive, conservative basis by wise business foresight, Mr. James N. McBride has the best and most advanced thought on the on the subject.

But it is the opinion of many farmer the old habit and practice of exploiting boost than to knock, but when it comes agriculture will continue in spite of all right down to getting results, and wakwell meant and noble efforts to pre- ing the people up to a raw deal, then vent it, until impoverished soil and fa- the hammer beats the tin whistle all maine conditions compel serious attent to pieces. When everything is running tion. Famine, the emptiness of the smoothly and when the powers in confolly of exploitation pretense, and trol of affairs are on the level and dothe natural compensation for the na- O. K., but when the politicians and tion's treatment of agriculture.-Jonn middlemen try to give us the wrong E. Bell, Lapeer County.

TOO MUCH GRAFT.

Our schools are one of our targe one district to another.

someone says that wouldn't be fair to terwards.—S. L., Eaton County. the printers. It is considered perfectly fair for the state to buy hundreds of acres of land and work it with convict labor, and for all the state institutions to own large farms and have them worked by the inmates, and for the state to keep herds of thoroughbred cattle in competition with the private do it.

If your farm happens to be so situated that you are interested in a public drain, one of the useless items of expense you will be up against is advertising, which frequently is twentyfive per cent of the total cost of the drain, and is absolutely useless. The advertising repealed.

-N. N.

FARMERS THINK FOR YOUR-

brother farmers, particularly the po- five bags of grain.

BELIEVES NATIONAL BOARD OF poses as our friend. If not now, some time in the future, you may be certain he will use the privilege to exploit us. -A. W. Smith.

BELIEVES IN THE HAMMER.

- enjoyed reading W. F.'s letter in your June 1 issue very much, but can't say that I agree with him entirely. I subject, and his proposal to establish think he must-have written same right a National Board of Agriculture" on after having eaten a big dinner-or the lines he suggests, should be tried. making a good horse trade. He seems His proposal contains the best thought pretty well contented and satisfied with the world in general.

Now, I believe in boosting, too. In students of the subject that, naturally, fact, it's a great deal pleasanter to "great promise and no fulfillment" is ing their best, then the serenade is end of the poker to hold, it's time for us to get our little hammers and do some thumping where it will do the most good.

I agree with W. F. in regard to the items of expense. We have always main issues, and believe that the real been in the grip of the book trust. trend of the government as well as the They have prevented our having uni- spirit of the people in general, is to form text books, much to the detri- wards fair play all around, but the ment of the scholars, as well as to the facts are that the middleman, the poligreat expense parents are put to in tician, and the profiteer, are organized buying books when they move from and in a position to put their side of a question before the proper authori-A member of the prison board says ties at the proper time and before inif the state could do its own printing, jurious legislation is enacted, but us it would clear up the deficiencies for farmers who, as a rule, are unorganizthe support of all prisons, and he could ed and who seldom hear of such legisfurnish text books for which we now lation until too late, can only make pay \$1.25 for seventeen cents. But our opinions known by a big kick af-

THINKS LAW ON GRINDING FEED NECESSARY.

It is coming now to be a frequent practice when a farmer takes a grist to the feed mill to be ground. for him to lose from three to five times the breeders, but farming, of course, is not regular charge of ten cents a bag for a competitive business and anyone can grinding. Farmers who weigh their grists before and after grindin are apt to quit if they have a similar experience to one recently had by the writer.

I took two bags of old corn broken up to get more in the bags, and three full bags of oats to be ground together, including the cobs. Ordinarily I should have had six full bags in my return remedy is to have that law in regard to grist. They put this grist in six bags, but when I reached home all six were Now, all the useless expenditures put in five bags, which could be tied must eventually be paid by the con- easily. In other words, we took 409 sumer, and add to the cost of living. pounds of oats and corn to the mill and received 328 pounds, or a loss of eighty-one pounds.

My grist, therefore, cost me as fol-I paid ten cents per grinding, or fifty cents for the grist. I You do right in giving farmers an lost eightyone pounds of grain. which opportunity to air their opinions. I at \$3 per cwe. would add \$2.43, making have one that I want to get before my a total of \$2.93 for the grinding of the

tato growers. It seems to me that we Unless we farmers are careful. this potato raisers paid dearly for the past kind of profiteering is likely to be pracwinter's experience. Had we gone on timed against us. If a law is necesand marketed our 1917 crop as we usu- sary for our protection, it would seem ally do instead of getting excited and wise for farmers to insist upon our calling the other fellow names we legislators taking appropriate action. would have been many thousands of To those who have feed ground for dollars better off today. One thing we their live stock, it would be well to Parham's Pedigree Stock Farm offers Reg. Holstein oattle, Chester White Swine,
extra bargins in calves and fall pigs. Bulls half price.
R.B. PARHAM, Bronson, Mich.
right to think over to the fellow who being cheated.—W. H., Reading, Mich.

Flanders Farms Dispersion Sale

Holstein-Friesians

At the Farm

Orchard Lake, Mich., June 26, 1918

An Opportunity for the Dairyman and Breeder

This sale which comprises the entire Flanders Farms herd of sixty-five head will include: A 31-lb. cow—two 30-lb cows—a 29-lb. three-year-old—a 24-lb. three-year-old—a 20-lb. two-year-old daughter of the great Rag Apple Korndyke 8th-a 19.90-lb. two-year-ol | daughter of King Segis Pontiac Alcartra from a 35.61-lb dam. Twin daughters of King Segis Pontiac Alcartra from a 20.75-lb. daughter of a 36-lb cow, both have made over 15-lbs. butter as junior two-year olds. Another 152-lb. 2-year-old by the same bull and from a 27-lb. cow. Several others with good records and bred in the purple—All but twelve are from A. R. O. dams-Eight are from dams with records 30.28 to 35.61 at 4 years-Three from 29.31-lbs. three-year-old-Fourteen others whose dams have records ranging from 20-lbs. as a junior two-year-old to over 28-lbs.—Thirty two are sired by that great young sire King of the Pontiacs Segis-"The Best Individual Son of King of the Pontiacs"—whose dam is Hilldale Segis, a 33-lb. daughter of King Segis.—All females of breeding age have been bred to King of the Pontiacs Segis-A son of Pontiac Apollo, he by Hengerveld De Kol, from a 31lb. daughter of Pontiac Burke. Several young sons of King of the Pontiacs Segis from high record dams. Maplecrest De Kol Ogden, a son of Friend Hengerveld De Kol Butter Boy from a 28-lb. daughter of Pontiac To Stay From This Sale Will Be A Loss To You. Aaggie Korndyke.

Special Notice

There will also be sold at the same time and place fifteen head of registered and high grade Percheron horses in-cluding the famous Flanders Farms brood mares, stallion and colts. Some of the very best in this country.

FLANDERS FARMS,

W. E. Flanders, Owner

Thos. Clement, Supt.

Col. B. V. Kelley, Auctioneer S. T. Wood, Sale Director Liverpool Sale & Pedigree Co., Inc., Sale Managers

Tuberculosis Guarantee

The Flanders Farms Herd has been under Federal supervision for several years. Every animal over six months of age has been tuberculin tested and will be GUARANTEED FREE FROM TUBERCULOSIS FOR SIXTY DAYS.

The young bulls we have for sale are backed up by many generations of large producers. Buy one of these bulls, and give your herd a "push". Full descriptions, prices, etc. on request. McPherson Farms Co., Howell, Mich.

A Few Fine Bulls For Sale Bigelows Holstein Farms, Breedsville, Mich.

\$50 Liberty Bond gets 1 mo. old grandson of Pontiac Maid 3)1.5 lb. Other granddam sister to grandsire of 42 lb. 4 yr. Herd free tuber. Apr. adv. for females. Terms. M. L. McLaulin, Redford, Mich.

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

Has a few fine bulls for sale. Are offering one this week from a 21.79 lb, Jr. 4 and sired by Pet Johanna Sir Harlog whose daughters are just coming fresh, one at 24 years has a 25 lbs. record.

This youngster is 3 mos. old finely narked, straight and weighs 350 lbs. his full sister has just made at 1 year II mos. 17.64 of butter, 456.5 milk 7 day. Priced Cheap.

F. A. BARNETT & 30NS, Rochester, Mich.

The Pontiac Herd

"Where the Champions come from" Offer Bull Calves sired by sous of Pontiac Korndyke, Hengerveld DeKol, Pontiac Dutchland, or Admirat Walker Pletertie.

Do you want a Pontiac in your herd?

Pontiac State Hospital, Pontiac, Mich.

HOMESTEAD FARMS

A Federation of Interests Holsteins -- A herd of high class Holsteins; Young Bulls, Calves, Bred Heifers and cows. Will you write to us for full description and photographs? HOMESTEAD FARMS, Bloomingdale, Mich.



The Traverse Herd Great Values In Bulls

from A.R.O. Cows with records up to 30 lbs. Let uskno w your wants. We will send extended pedigrees and prices. TRAVERSE CITY STATE HOSPITAL, Traverse City, Michigan.

Want Yearly Records?

Our new sire has four sisters whose semi-official records are 677, 742, 913 and 946 pounds of butter in one year respectively at 2 to 3 years of age. His dam is a daughter of Friend Hengerveld De Kol Butter Boy, four of whose daughters have records over 1900 pounds and she is also a granddaughter of Pontiac Aaggie Korndyke, with six daughters above 1900 pounds of butter in one year.

Peaceland Stock Farm, Three Rivers, Mich. C. L. Brody, Owner Charles Peters, Herdsman

Holstein Three bull calves born Sept. 21, Oct. 6, and Dec. 25, that are straight, deep bodied, well grown. Good A.R.O. backing both sides, W. B. READER, Howell, Mich.

H OLSTEINS of quality. Bull calves from dams with records high as 31 lbs. in 7 days. Also collie pupples E. A. HARDY. Rochester, Mich

Holstein calves, 25 heifers, &2 bulls 1-16ths pure, 5 weeks old, beautifully marked, \$2 each, crated for shipment anywhere. Buy only the best, EDGEWOOD FAIMS. Whitewater, Wis.

HEREFORDS

6 bull calves for sale, Perfection Fairfax and Prince Donald breeding. ALLEN BROS., PAW PAW, MICH.

Herefords Bob Fairfax 494027 at head of herd. 14 bulls for sale all ages either polled or horned. EARL 0. McCARTY, Sec'y Mich. H. B. Ass'n, Bad Axe, Mich.

Choice Bulls ready for service. Also heiters of Reyal Majesty. Come and see them or write for particulars. THE WILDWOOD HERD, Alvia Balden, Capac, Mich., Phone 143-5.

Maple Lane R. of M. Jersey Herd. For sale one of four-year-old cow, also bull calves and heifor calves sired by a grandson of the Pogis 99th of Hood Farm. IRVIN FOX, R. 3, Allegan, Mich.

For Sale Jersey Bull
Goldie's Foxhall No. 161985. Dropped March 22, 1917.
Solid color, black tongue & switch. A fine individual
large of his age, will sell cheap. Also a young cow &
several bred heifers, all of solid color.
NEWMAN'S STOCK FARM, R. J. Marlette, Mich.



For Sale Registered Jersey Cattle both sex. Smith & Parker, R. 4, Howell, Mich

JERSEY bull and bull calves for sale from R. of M. cows, also heifers and cows of all ages.

O. B. WEHNER, R. 6, Allegan, Mich.

Lillie Farmstead Jersey Cattle. Several heifers bred to freshen next fall. Also a few heifer and bull cal-ves of choice breeding. Colon C. Lillie, Coopersville, Mich.

Jerseys for sale Ready for service bu'ls
Majesty, breeding. WATERMAN & WATERMAN
Meadowland Farm,
Ann Arbor, Mich.

For Sale Affue, dark, solid color Jersey bull Royal Majesty and out of R. of M. cow, C. & O. DEAKE, Ypsilanti, Mich. Shorthorns Scotch and Scotch Topped and reasonable. GEO. D. DOSTER, Doster. Mich.

2unki Haku2 For Beef and Milk.

Registered bulls, cows and heifers-Good Scotch and Scotch-Topped for sale. In prime condition. Modern sanitary equipment. Farm 10 minutes from N. Y. C. depot, 1 hour from Toledo, Ohio. Automobile meets all trains. Write

BIDWELL STOCK FARM, Box B, Tecumseh. Mich.

Richland Farms

Shorthorns

IMP. Lorne in Service. Grand Champion Shorthorn Bull of Mich. Weoffer for sale a choice collection of young bulls by some of the leading sires of the breed. You cannot afford not to own one of these bulls at the prices we are asking for them. We invite correspondence and inspection.

O. H. PRESCOTT & SONS,

Farms at Prescott, Mich. Office at Tawas, City, Mich.

Francisco Farm Shorthorns

We maintain one of Michigan's good herds of Scotch and Scotch Topped cattle. They are well bred, properly handled and price reasonable. Come and see; we like to show them.

P. P. POPE.

Mt. Pleasant, Mich.

Shorthorns. Three scotch bulls ready for service. Price reasonable. W. B. McQUILLAN, R. 7. Howell, Mich.

Shorthorns Maxwalton Monarch 2nd, 387322 haif brother to 5 Grand Champions in service.

HN SCHMIDT, R. 5, Reed City, Mich.

ON of Harthorth Welfare heads our herd of milk-Sing Shorthorns Comprising Chifley of Clay bred cows, young bulls ready for sale and service, write us Liddel Bros., R. 2. Qlinton, Mich., Macon Phone.

Shorthorns -- Sired by a grandson of Cyrus Clay. No stock for sale. Conklin. Mich.

Dairybred Shorthorns of best Bates Strains, young stock of both sexes for sale. Mason, Mich.

SHORTHORNS

heifers & young bulls for sale at farmers prices; catalog mailed free. Horrieton Farms, Hart, Mich.

Shorthorn Cattle of both Sex for Sale W. W. KNAPP, Howell. Michigan.

For Sale Shorthorns of Quality Scotch and Scotch Topped descendents of Archers Hope, Avondals, Maxwalion Sulton and White Hall Sulton by the Oscola Co. Shorthorn Breeders Ass, JOHN SCHMIDT, Soc. Reed City, Mich.

Grand Traverse Shorthorn Asso. Beg. stock for M. E. DUCKLES, Sec.. Traverse City, Mich.

Cattle For Sale 2 can show you any number 1, 2 and 3 years old from 600 to 1200 lbs. Isaac Shanstum. Fairfield, Iowa, R-3

Roan Bull Calf For Sale, 8 months old.

J. E. Tanswell, Mason, Mich.

2 Bulls Ready for Service

At Farmers' prices.
Long Beach Farm, Augusta, Michigas

Registered Berkshire gilts and sows for fall farrow-ing, 3 boars and spring pige, either sex. CHASE STOCK FARM, R. 1, Marlette, Mich.

Duroes. Choice spring pigs out of selected sows and stred by our best herdeboars. They are of the big type, strong boned, smooth and of excellent quality and include some of the most popular blood lines such as Orion Cherry King, Top-Col. Defender, Brookwateretc. Prices reasonable. The Jennings Farms, Bailey, Mich.

50 Duroc Sows and Gilts for fall farrowing, bred to Orion's Fancy King 83337 the biggsst pig of his age ever shown at International. I mile N.E., of town. Visitors welcome national. I mile N.E., of town. Visitors welcome advantage in week. Newton Barnhart, St. Johns, Mich.

Duroc Jerseys For Sale Herd boar and spring pigs. Write Wells Parish and Sons, R. 3, West Olive, Mich.

DUROC JERSEYS

Additional Stock Ads. on Page 759

THE BURE

FIRST EDITION.

The markets in this edition were revised and corrected on Tuesday afternoon, June 18.

WHEAT.

General market conditions remain unchanged. Receipts amount to really nothing, and trading is greatly restricted. Regarding the new crop, harvesting has already started in the southern and southwestern sections. The quality of the grain promises to be very good, the aggregate yield of which is estimated at nearly 600,000,000 bushels. The United States visible supply decreased 325,000 bushels last week to 821,000 bushels as compared with 23,758,000 bushels a year ago. Export clearances of flour and wheat Export clearances of flour and wheat from North America totaled 1,584,000 bushels compared with 2,841,000 bushbushels compared with 2,841,000 bushels the previous week, and 8,595,000 bushels for the corresponding week last year. At Detroit No. 2 red wheat sold at \$2.70 per bushel at this date in 1917. Present quotations are:

No. 2 red wheat.....\$2.17

No. 2 white......\$2.15

No. 2 mixed.......\$2.15

CORN.

The volume of business in the corn markets was considerably increased last week with values substantially ad-vanced. While a considerable amount vanced. While a considerable amount of corn has reached market centers during the past few months, only a comparatively small percentage of it has been of good quality, in fact, much too little to take care of the demand for the better grades. Dealers also expect an immediate restriction in deliveries of country elevators due to the eries at country elevators, due to the early arrival of haying and harvesting. The new crop is developing under almost ideal conditions, and farmers thus far have been able to cultivate the crop well, with the exception of a few isolated communities. The North American visible supply decreased 450,000 bushels to 14,804,000 bushels. One year ago the local price for No. 3 corn was \$1.73 per bushel. Present quotations here are:

quotations here are:

No. 3 corn \$1.50

No. 3 yellow 1.60

No. 4 yellow 1.50

No. 5 yellow 1.35

No. 6 yellow 1.25

At Chicago the trade is fluctuating on higher levels, with cash prices as follows: No. 2 yellow \$1.70@1.71; No. 3 yellow \$1.63@1.67; No. 4 yellow \$1.50

1.55; July corn closed at \$1.45%.

OATS.

While the government reports suggest a crop of over one and a half billion bushels, prices made gains during recent days. This perhaps was due largely to the influence of more liberal export buying. The United States visible supply decreased 1,782,000 bushels last week. Standard oats here at this date a year ago sold at 72c per bushel. Present quotations are:

 Standard oats
 79

 No. 3 white
 78½

 No. 4 white
 77½

limited inquiry at the old prices. a limited inquiry at 1 Quotations there are:

Mich. pea beans, h. p. .. \$10.00@11.00
Red kidneys ... 9.50@11.50
Brown Swedish ... 8.50 9.00

HAY.

Further additions to local stocks and a quiet demand is working prices to a lower level. Here are the latest

No. 1 timothy....\$18.50@19.00

mand is gradually improving. For better grades the market looks rather good. Inferior stock is not wanted.

Quotations are:
No. 1 timothy....\$18.00@18.50
No. 2 timothy....\$18.00@17.00
No. 1 light mixed 16.00@17.00
No. 1 clover mixd 15.00@16.00
No. 1 clover 14.00@15.00

POTATOES.

The volume of old potatoes moving is much reduced, Michigan still being the heaviest shipper. While a slightly easier feeling obtains in some markets, the situation is generally steady at unchanged prices. The early Irish potato crop in Virginia is reported as not more than 75 per cent of a yield on one-half the acreage of the last crop. The condition and prices paid per cwt. by jobbers for Michigan stock U. S. Grade No. 1 at various market centers as reported by the local office of the U. S. Bureau of Markets, are as follows:

BUTTER.

The butter trade is not following its usual course. At this season prices usual course. At this season prices usually sag and give the storage men a chance to lay in supplies. This season however, values continue to hold firm and even advance during the period of heavy production. Current consumption is unusually large and purchases for military use are taking care of nearly all the remaining stocks. Storage of the season prices are the season prices and supplies the season prices. nearly all the remaining stocks. Storage men are now beginning to get anxious and have started buying in competition with others. Detroit board quotes fresh creamery firsts at 41½c; do extras 42½c per lb. Chicago prices have advanced to 36@42½c, with the market holding steady. The New York trade is firmer with creameries ranging from 42½@45¼c. Philadelphia is paying up to 49c for fancy creameries.

particularly in centers nearest producing sections, have been in an upward direction. The trade is firm and consumption is generous. Production is increasing and the movement is large from producing districts. Local prices for flats are 21@24c; daisies 22½c; limburger 21@22c. In Chicago Young Americas quoted at 23@23¼c; daisies double 22c; do singles 22@22¼c. New York trade firm with fresh specials selling at 23¾@24c; do average run 23½c; full creams bring 22@25c in Philadelphia.

BUFFALO.

Tuesday, June 18, 1918.

Pigs sold here today at \$18, while other grades brought \$18,50. Dry-fed cattle continue steady with yesterday's market, while grassers are \$1 lower than the sales last week.

WHAT THEY DID AT BUFFALO ON MONDAY.

As production decreases, the price of eggs moves upward. Receipts at primary market show a general falling off, except in a few instances. At Detroit prices are now ranging from 32½ good dry-fed grades were steady of the good dry-fed grades were steady of the good dry-fed grades were steady. This trade is again inactive, with the price of \$1.95 for cash No. 2 at Detroit, and the trade showing a weaker tone at Chicago.

BEANS.

There is no change in this trade. The outlet for navy beans seems just as restricted as it was a month ago. Farmers and country elevators are becoming anxious to deliver their surplus, which encourages the easy feeling among those who buy. The local price for cash beans is steady at \$10 per cwt. The Chicago trade reports a limited inquiry at the old prices.

At Detroit prices are now ranging from 32½ @35c to jobbers, with current receipts in new cases bringing the top price. The Chicago market rules steady at prices slightly advanced over those quoted a week ago, firsts being 30½ @32¾c; ordinary firsts 26½ @30½ c at mark, cases included 29@32c. The trade is also steady in New York, with values for fresh gathered extras at 39 @40c; do storage packed 37@38½c. In Philadelphia the trade is firm, with western extra firsts quoted at \$11.55 per case.

WOOL

Chief of the Wool Division Louis

Chief of the Wool Division Louis Penwell, states regarding the estab-lishment of prices by local dealers to the grower, that this cannot be deter-mined with any degree of certainty, and cannot be anything more than an estimate. He says the buyer should leave himself a sufficiently liberal mar-gin to make his allowed profit, and gin to make his allowed profit, and then the whole matter will be finally adjusted at the end of the season, he being limited to a profit of 1½c per lb.

Standard 17.50@18.00
Light mixed 17.50@18.00
No. 2 timothy 15.50@16.00
No. 1 clover 12.50@13.00
Pittsburgh.—At this point hay receipts show a falling off, while the de-

@25 per ton.

GRAND RAPIDS

Dry weather is cutting short the strawberry season and prices continue high, berries retailing at 20@25c per quart. Grain prices at the mills are as follows: Wheat \$2.07; rye \$1.75; oats \$2c; buckwheat \$1.25; corn \$1.70; beans \$8.50. Hay worth \$18@20. Eggs are quoted at 32c. Some of the sheep owners are selling their wool at 65c. The farmers cannot see why the price The farmers cannot see why the price should be just what it was last year when feed and everything else during the past winter almost doubled in

LIVE STOCK DETROIT

Tuesday, June 18, 1918.

Dry-fed cattle are steady. Grassers rule 25@50c lower.

Best heavy steers\$14.00@17.00

 Canners
 6.50@ 7.25

 Best heavy bulls
 10.00@11.00

 Bologna bulls
 8.50@ 9.50

 Stock bulls
 8.00@ 9.00

last week

Receipts today were 205 cars. The good dry-fed grades were steady, others 50@75c lower than Saturday.

Cattle.

Cattle.

Prime heavy steers ... \$17.55@18.35
Best shipping steers ... 16.50@17.50.
Plain and coarse ... 15.00@15.50
Native yearlings ... 16.00@16.25
Best handy steers ... 15.00@16.00
Fair to good kinds ... 13.25@14.25
Western heifers ... 13.75@14.50
Handy strs and hfrs mixd 12.50@13.00
Best fat cows ... 12.50@13.00
Butcher cows ... 10.00@11.25
Grazing cows ... 7.50@ 8.00
Fancy bulls ... 12.00@13.00
Butchering bulls ... 12.00@13.00
Butchering bulls ... 10.50@11.50
Common bulls ... 9.00@10.00
Best feeding steers ... 9.50@10.50 9.50@10.50 Medium feeding steers .. 8.00@ 9.00 \$65@ 150

Calves.
Receipts 2000. Market rules strong at the following prices: 6.50@ 8.50

Top lambs\$18.00@18.50 Yearlings 15.00@16.00 Wethers 14.00@14.50

CHICAGO.

Cattle.
Tuesday, June 18, 1918.

Estimated receipts today were 23,-00. Market for stock selling above 7c is steady, with other kinds slow and lower.
Good choice prime steers \$16.65@

Good choice prime steers \$16.65@ 18; common and medium butchers at \$12.35@16.65; hefiers \$8@15; cows \$7.90@14.75; bulls \$8.50@13; common and cutters \$6.75@7.90.
Good calves were steady and others unevenly lower.

Estimated receipts 31,000. Early sell-

Estimated receipts 3.,000. Early seling was full steady with Monday's close. Packers are buying slowly. Tops \$17; bulk of sales \$16.60@16.95; heavy \$16.60@16.70; mixed and light \$16.75@16.95; packers' hogs \$16@16.30; medium and mixed \$16.25@16.75; roughs \$15.60@15.90.

Sheep and Lambs
Estimated receipts are 8,500. Sheep are steady; lambs strong at 25c higher.
Best lambs \$17.25@17.75; spring lambs \$19.50@20; sheep \$11@13.50.

THE SITUATION AT CHICAGO ON MONDAY.

June 17. 1918.
Our special representative in the Chicago Stock Yards reports as fol-Cattle.

Today's total 33,000
Total last week 142,091
Total previous week 82,389

Total previous week... 82,389
Total week year ago..111,806
Hogs are active today and mainly
10@15c higher, with sales at \$15.75@
16.95 for rough heavy packers to the
prime light shipping barrows. The
best heavy shipping hogs sell about a
dime below top figures. and pigs sell
mostly at \$15.50@16.85.

Shorn Lambs

Shorn Lambs.

Last week saw prime clipped lambs advance to \$18.50, with a much lower closing. Spring lambs sold this morning at \$15@20, whereas at one time last week the top was \$20.50. Inferior pative climed lambs sold down to \$12. native clipped lambs sold down to \$12 recently. Sheep are scarce.



guarantee.

Dr. HESS & CLARK

Veterinary.

CONDUCTED BY W. C. FAIR, V. S.

Cow Gives Bloody Milk.-I am anx-Cow Gives Bloody Milk.—I am anxious to know of a cure for my cow that gives bloody milk. D. A. H., Marian, Mich.—Apply one part tincture arnica and eight parts water to bruised part of udder three times a day. Rough milking is one of the common causes of cows giving bloody milk.

of cows giving bloody milk.

Indigestion.—Weak Heart.—I have a bull calf nine months old that was wintered on roots and straw, kept in a comfortable barn where he had exercise. During the cold weather he seemed to shiver, but my other cattle, receiving same food and care, were seemingly comfortable. He is now running on good pasture with the rest of my cattle, but is not hriving. In moderately cool weather he frequently pants with month open and tongue protrudately cool weather he frequently pants with mouth open and tongue protruding. He is seemingly quite uncomfortable when weather-is warm. I forgot to say that his appetite appears to be good. G. H. B., Levening, Mich.—Give him 30 drops of fluid extract of nux vomica, 20 drops of fluid extract lobelia and 2 drs. of Fowler's solution at a dose in feed or drinking water two or three times a day.

or three times a day.

Warbles.—I have a cow that has lumps on her back about the size of a quarter. These bunches have small holes and pus can be squeezed out. This cow is fed chopped eats twice a day and is running in good pasture. day and is running in good pasture.
D. F. F., Clare, Mich.—The grubs should be squeezed out and killed, then apply to wounds on back one part coal apply to wounds on back one part coal tar disinfectant and 20 parts water or apply equal parts oxide of zinc and boric acid once or twice a day and the skin will soon heal. If you are sure that the bunches contain pus, first apply a few drops of peroxide hydrogen which will free cavity of pus. It is perhaps needless for me to say that the peroxide should be dropped into the cavity.

the peroxide should be dropped into the cavity.

Indigestion.—Urinates Too Often.—I have a twelve-year-old mare which, when plowing, is inclined to perspire too freely and occasionally staggers. This same mare is troubled with worms and I have thought that her kidneys act too often. A. G. I., Utica, Mich.—Mix one part ground nux vomica, one part powdered sulphate iron, one part salt and three parts ground gentian—give her a tablespoonful at a dose in feed night and morning.

Blind Staggers.—I have a seven-year-old Percheron mare which, while working, is inclined to toss her head, move sideways and very often backs as if having a fit; however, after allowing her to stand still for a few minutes she seems to be all right. This mare has a good appetite and so far as I can tell is in a healthy condition. Some two months ago she showed lameness in left hind leg; there was soreness on inside of thigh which disappeared, and lately she is showing lameness in the right thigh, but less lame than heretofore. Subscriber, Linden, Mich.—Give her 1 dr. of bromide of potash, 40 drops of fluid extract of nux vomica and a tablespoonful of cooking soda at a dose in feed two or three times a day. Apply camphorated oil to inside of right in feed two or three times a day. Apply camphorated oil to inside of right thigh twice a day.

LIVE STOCK NEWS.

Less Beef Consumed.

The consumption of beef throughout the country has undergone a great falling off recently, cheaper vegetables being largely substituted for high-priced meats. Choice beeves carrying much weight are getting very scarce, and not many of the cattle marketed in Chicago are weighing as much as 1000 pounds. The demand from surrounding states for good stockers and feeders is urgent, with a scarcity of choice lots, a few of which have sold for \$13.60 to \$13 per hundred pounds.

Spring Lamb Market.

Spring lambs from Kentucky and Tennessee are beginning to move to market, but the movement is unusually late, as sheepmen everywhere are The consumption of beef throughout

late, as sheepmen everywhere are awake to the importance of making their flocks a choice as possible at this period of extremely high prices. Most of the good-sized consignments of spring lambs reaching the Chicago market thus far have come from California, and they have sold on the whole very well. The southern spring lambs are described as never better in quality, and the lambs are averaging heavier than usual, while in numbers they are said to show a small increase over last year. A further increase is expected by another year as thousands of breeding ewes were shipped into Kentucky and Tennessee last year from the corn belt states. late. as sheepmen everywhere



HOG FEED CHEAPER

Kiln Dried Mahogany Corn

is being used extensively by hog feeders with very satisfactory results. It can be bought approximately soc cheaper than No. 2 Yellow, and the feeding value compares very favorably. Our corn is very dry, around 12% moisture, so there is practically no danger of it getting out of condition even in warm weather.

We have a special grade of Kiln Dried corn that we can offer as low as \$1.25 bushel (\$46.40 ton) F.O.B. Jackson in any quantity desired. Bags chargedextra 20c each with same refund, when returned. Corn guarantzed satisfactory or money refunded. Mail check for your summer supply, J. E. Bartlett Co.. Jackson, Mich.

J. E. Bartlett Co., Jackson, Mich. Michigan's Largest Shippers Feed and Grain.

A Chemical and Mechanical Education Free.

This summer The Dow Chemical Company will star a course of training for young men between seventeen and twenty-one interested in learning either a trade or getting fundamentals of a chemical engineering education. The educational requirements are that the boys should have finished the eighth grade. A high school education is still more desirable. The young men spend three hours a days in the Company School under competent instruction and the rest of for the time spent it schools sweld in the Palant. Compensation will be allowed for the time spent in schools well as the property of the time spent in schools well as the property of the time spent in schools well as the property of the base a family to help or not, to avail himself of this opportunity. For further information write to W. H. Clark, The Educational Department. The Dow Chemical Company, Midland, Mich., stating your age and education and an interview will be arranged if possible.

Is Your Truss a Torture?

Are you suffering from rupture without any hope of relief? Get the Brooks Rupture Appliance on free trial and know the comforts of a sound man.

The automatic air cushion clings closely without slipping or chafing. Guaranteed to comfortably retain the hernia. Draws and binds together the parted tissue and gives Nature a chance to knit them firmly.

As specialists of 30 years experience we have perfected a comfortable, sure relief from hernia in the Brooks Rupture Appliance. Endorsed by thousands of physicians. Sent on trial to prove its worth. Made to your measure. Durable—cheap.

Write today for measure blanks.

BROOKS APPLIANCE CO.

BROOKS APPLIANCE CO.
494 State St. Marshall, Mich.



Two Giants of the Great Lakes

Regular steamer service between Detroit and Buffalo. The two Giant Steamers of the Great Lakes—City of Detroit III and City of Cleveland III—make daily trips between Buffalo and Detroit, leaving Detroit at 5 p. m., leaving Buffalo 6 p. m. Daily service is also given between Detroit and Cleveland. The steamers Eastern States and Western States leave both points at 10:45 p. m., arriving at destination early the following morning. Four trips weekly are made between Toledo, Detroit, Alpena, Mackinae Island and St. Ignace over the Coast Line to Mackinae. (Railroad tickets are honored on all D. & C. steamers.



CULL BEANS

Machine picks one dollar per bu. . Girls picks one dollar and a quarter treck Grand Ledge. Samples sent if desired. W.L. IRELAND & CO., Grand Ledge, Mich.



Pulverized lime rock for "sour, soils. WE SELL YOU DIRECT. Shipment from our Muskegon, Mich, yard. Write for sample literature, analysis and price.

LAKE SHORE STONE COMPANY,
P. O. Box 175.

Pulverized lime rock for "sour, soils, we seem and subsequent for sample literature, analysis and price."

Milwaukee, Wis.

We are paying good premiums for eggs not over four or five days old, direct shipments from the farm. Shiplans.

AMERICAN BUTTER & CHEESE COMPANY, Detroit, Mich.

HAY Ship To The Old Reliable House Daniel McCaffrey's Sons, 623.625 Waterle Bldg., Pitteburgh Pa.

We want your entire crop. Write for rub-ber stamp. The E. L. Richmond Co., Detroit

FOR Sale rabbits. Fine Rufus Red Belgians. High class bucks & does. 2 & 3 months old, not related \$6 per pair. Brookfield Rabbitry, Owendale, Mich.

Farms and Farm Lands For Sale

150 Acre Farm, Crops, \$1800 Borders River and Private Lake

Sorders River and Private Lake stocked with 11000 trout; boating, bathing, fishing; 150 acres dark loam land divided into level machine-worked fields, river, lake and spring watered pasture; estimated 1000 cords wood, 50;000 ft. timber, apple orchard-8-room house, veranda, 41x56 ft. barn, silo, ice house, carriage house, other buildings with piped spring water; ½ mile milk station, mile school, on improved road convenient to depot, 2 villages. To insure quick sale owing to loss of wife owner includes crops price only \$1500, \$700 down, easy terms. All details page 3 Strout* Big Catalogue of this and other farm bargains many with stock, tools, growing crops included; mailed free.

E. A. STROUT FARM, AGENCY, Dept.101, Union Bank Bidg., Pittsburg, Pa.

FARM FOR SALE

Long Beach Farm 259 A. on shore of Gull Lake Kalamazoo Co. 2 houses, large dairy and other build ings very complete, 39 A. alfalfa, 70 A. grain a grand location for a dairy farm. Small payment, long time F. S. RENFIELD.

To Exchange for farm or city property. Country store and fine home barn, garage, fruit, small railroad town, fine farming country, former occupant did \$500. w-kkly business COOPER & GOVER

For Sale or exchange 3 cottages in Detroit for Howell, Michigan, Address Howell, Michigan, Box 113, R. F. D. 3

POULTRY

Fowlers Buff Rocks Booking order \$4 for 30; \$5.50 for 50; \$8.00 for 100. B. B. FOWLER.

Ferris White Leghorns A real heavy laying strain, trapnested 17 years, records from 200 to 264 eggs. Get our special summer prices on yearing hens, breeding males, eggs for hatching, 8-week-old pullets and day old chicks. We ship C. O. D. and guarantee results. Catalog gives prices; describes stock, tells all about our farm and methods; results you can get by breeding this strain. Send for your copy now—it is free. GEORGE B. FERRIS 934 Union, Grand Rapids, Mich.

IMPROVE YOUR POLLTRY My Bred-to-lay Young's Strain S. C. White Leghorn and Ancona chicks are great money-makers. 100,000 strong, husky chicks @ \$11 up per 100. Chicks sent by mail. Arrival and satisfaction guaranteed. Prompt shipment. Get my catalogue at once.
W. YAN APPLEDORN, R. 7. Holland, Mich.

Hatching Eggs-Plymouth Rocks (all varieties) An-conas, Pekin and Rouen Ducks, Sheridan Poultry Yards, Sheridan, Mich

Tohn's Big beautiful hen hatched Barred Rocks, good layers 30 eggs 33, 100 38, hatch guaranteed. Prepaid by mail Photos circulars, John Northen, Clars, Mich

Laybilt S. C. W. Leghorns

Large, great layers pure white.
Dry-Old Chicks last hatch June 25th, \$12 per 100 prepaid.
Choice 2 Year Old Hens large and vigorous will lay till late fall, \$1.00 each. Yearling hens, \$1.25 each. 8 weeks old pullets \$1.00 each.

Everfresh Egg Farm, Ionia, Mich.

M ammoth Pekin Ducks from best stock in America. Eggs \$1.50 per 11. Rose Comb Brown Leghorns from Madison Square and Mich. & Ohio Fair winners. Eggs \$1.50 per 15. Mrs. Claudia Betts, Hillsdale, Mich.

Pine Crest White Orpingtons, hens and pullets \$3.00 per 100.

\$12 per 100.

MKS. WILLIS HOUGH, PINE GREST FARM.

MKS. WILLIS HOUGH, PINE GREST FARM, Royal Oak, Mich.

DHODE ISLAND BEDS and Plymouth Rocks Males.

5 to 12 lbs. according to age \$3 to \$8: P. R. hens weight 5 to 10 lbs., eggs 15 for \$1.50; 100, \$8: Mammoth Bronze Tom Turkeys \$4 to 38 lbs. according to age \$6 to \$25, 10 eggs \$4. J. Morris & J. Barsan, Vassar, Mich.

R. I. REDS, both combs. Chicks & strain in Michigan. Write for catalog.
INTERLAKES FARM, Box 39, Lawrence, Mich. SILVER Spangled Hamburg eggs \$7 per hundred: \$1.75 per setting balance of season. White Hol-land Turkey eggs \$4 per 12. RIVERVIEW FARM, Vassar, Mich.

SILVER Golden & White Wyandottes. Four Golden cockerels \$2.50 each. Eggs 15, \$2.50; 30, \$5 by P. Post prepaid. C. W. Browning, R. 2, Portland, Mich.

S. C. Brown Leghorns, Heavy layers, Eggs 15-\$1.10, 30-\$2.00, 45-\$3,00, 100-\$5.50 prepaid by mail, FLOYD ROBERTSON, R. 1, Lexington, Indiana Single Comb Black Minorca eggs \$1.50 per sett ing this month, two settings \$2.50 R. W. MILLS, Saline, Mich.

White Wyandotte eggs for hatching also baby-chick out of choice stock; send for a 1918 circular.
DAVID RAY, 709 Norris St., Ypsilanti, Michigan.

HOGS

Duroc fall boars sired by Orimson Oritic T., Satisfaction and Brookwater Principal, priced right. Bredsows all sold. M. C. TAYLOR, Milan, Mich.

Choice Durne Jersey Gilts For Sale.

DUROCS service boars, brod sown J. H. BANGHART, E. Lansing, Mice

Duroc Jerseys for sale. Service boars & spring plag-also Shorthorn bulls, calves, milking Strain, CHAS. BRAY. - - Okemos, Mich.

Duroc Jersey's—Fall boars of the large heavy boned type. Gilts bred to Junior Champion boar for June farrow, also Spring pigs pairs not akin. F. J. DRODT, R. I. Monree, Mich.



HAVE started thousands of breeders on the ro-success. I can help you. I want to place one hog-g great herd in every community where I am not already ented by these time early developers—ready for market withs old. Write for my plan—"More Money from He months old. Write for my plan— More Money from Hogs 5. S. BENSAMIN, R. F. D. 10, Pertland, Michig

Chester White Pigs

Excellent type and quality 2% to 3 months old, either sex. Price \$25.00 each. Pedigree free, also express paid. L. C. SELLECK, Breckenridge, Mich.

Chester Whites, spring plgs either ser, trios not akin from strictly big type mature stock at reasonable paices. F. W. Alexander, Vassar, Mich.

Spring Pigs for sale. Pairs and tries not akin.
J. D. CRANE & SON, Plainwell, Mich.

Crandell's Big Type O. I. C's Champion herd everywhere shown in 1917. Herd headed by five champion boars. Our sows won Senior, Junior and Grand Champion prizes at Illinois, Missouri, Ohio and Michigan 1917. Special prices on all spring pigs. Get our catalog it is free.

log it is free, Crandell's Prize Hogs, Cass City, Mich.

BRED GILTS and SERVICEABLE BOARS C. J. CARL JEWETT, Mason, Mich.

Last fall gilts all sold, have a good lot of last spring ligs from 3 sires good growthy stock. Farm ½ mile west of depot, Citizens Phone 124.

OTTO B. SCHULZE,

Nashville, Mich.

O. I. C.'s all sold except some fall gilts. Order C. J. THOMPSON, Rockferd, Mich.

O. I. C.'S Big type serviceable boars. Spring far-rowed boar pigs. Bred gilts to farrow July and Aug. G. P. ANDREWS, Dansville, Mich.

0. 1. C's. Large type, spring pigs bred from State Clover Leaf Stock Farm, R. 1. Monroe, Mich.

0. I. C. Spring Pigs, big heavy boned fellows, weighing from 40 to 51 lbs. and bred gilts. F. C. Burgess, R. 3, Mason, Mich.

A Great Opportunity We are offering one of our herd sires, Big Type Poland China Yearling Boar. His sire a prize winner at Kansas State Fair. His dam a prize winner at Missourd Iowa, Kansas and Nebraska State Fairs. A spleadid individual and perfectly marked. Spring pigs for sale,

HILLCREST FARM, Kalamazoo, Michigan FOR SALE
Smooth Jumbo a grandson of Peter Mouw's old boar
Smooth Jumbo a 500 lb. yearling. A top notcher fit to
head any herd. Also some nice bred gilts at \$50.
If you get one you will have to hurry.
J. C. BUTLER, Portland, Michigan.

Large Type P. C. no public sale this year; 50 sows and Lagilta all queens of the breed go at private treaty. W. J. HAGELSHAW, Augusta, Mich.

Nothing for sale at present. Spring pigs C.E. GARNANT. Eaton Rapids, Mich.

Large Type P. C.

Bred gilts and boars all sold nothing to offer at present. W. E. LIVINGSTON, Perma, Mich. EONARD'S Bred sows all sold, fall pigs, orders book-led for spring pigs at weaning time. Shipped C.O.D. E. R. LEONARD, St. Louis, Mich.

P. C. Sows For Sale. Bred for April farrow, Prices reasonable.
A. A. WOOD & SON. Saline, Mich.

L. S. P. C. all sold out, except the largest farrow. H. O. SWARTZ, Shoolcraft, Mich.

Large type P.C. Some choice Sept. gilts ready to band for Aug. and Sept. farrow.
Wm. J. CLARKE, R. 7, Mason, Mich.

Mm. J. CLARRE. R. 1,

Dig type P. C. Big boned fellows from Iowas greatest herds, special prices on spring boars and choice berd gilts. E. J. MATHEWSOV. Burr Oak, Mich.

Hampshire Pigs only for sale now, a bargan.

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

HORSES

Percherons, Helsteins, Angus, Shropshires, Durece DORR D. BUELL. Bim ira, Michigan. Percheron Stallions and mares of reasonable prices; inspection invited.

F. L. KING & SON. Charlotte, Mich.

J. M. Hicks & Son, R. 2, Williamston, Mich.

FOR SALE Two Percheron stallions: two Percheron old. E. J. ALDBICH, Tekonsha, Mich.

Shetland Ponies, Fox Hounds, Young Coon W. E. LECKY, Holmesville, Ohio.

SHEEP

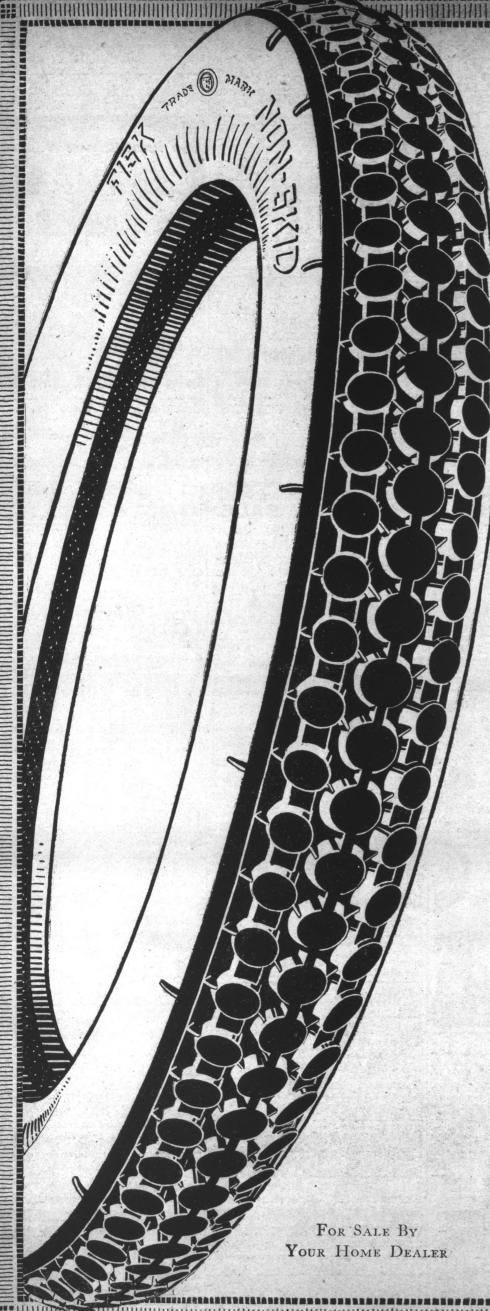
KOPE-KON FARMS.

Hampshires & Shropshires. It's a wise man who orders his ram for Augus delivery now,

About July 1 we will offer for sale choice shropshire Rams.

R. 8, Fowlerville, Mich.

Some Good Bracking Ewes and registered RAMS
Barnard Sheep Ranch, R. 5, Clare, Mich.





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FISK Non-Skid

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