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Something of Interest to You on Page Two

# A Word from the Editors

# We've Got to Cooperate to Solve the Farm Labor Problem

EVERY substitute for man-labor must be considered. Perhaps you have figured out some method or contrivance which has helped you in your work. If so, tell the rest of us about it, so that we can make use of it. To stimulate interest in this important matter

We will pay two dollars each for the twenty-five best labor saving suggestions;

And one dollar each for all others we use.

Here's a chance to do your fellow farmers good and get paid for it besides. If you can illustrate your ideas by photos or sketch, so much the better.

All that is necessary to make you eligible for this contest is that you be a subscriber to the MICHIGAN FARMER.

You will find an addressed envelope in this issue,—use it to send in your subscription, and send your labor saving idea with it. If you are a subscriber, hand the envelope to some friend who is not a MICHIGAN FARMER subscriber. Tell him about this contest,—he may have some ideas the rest of us ought to know about. Tell him about the new features which start in this issue. We will send sample copies to friends whose names and addresses you send us.

Send in your contest letters before January 15th, because the contest closes then. Let us hear from you

> THE MICHIGAN FARMER Detroit

HIS page has been reserved to tell you the new features we are introducing in the MICHIGAN FARMER, and of the increased usefulness of our practical departments

usefulness of our practical departments.

The world-wide demand for food makes greater efficiency on our farms imperative. We gain in efficiency by adopting the little ideas suggested by the experience of others. The greater the number of these available, the greater will be our opportunity for advancement.

The Practical Departments

The MICHIGAN FARMER has already written five hundred progressive farmers for their experiences. We are also appealing to all of our readers for worth-while ideas. Besides, county agents, extension workers and other rural leaders are sending us suggestions resulting from their wide experiences and observations. This vast fund of information will be made available to you in the practical departments of the MICHIGAN FARMER.

Send Your Problems for Solution

Not only are we gathering these experiences on how things have been done, but we likewise appeal to our readers for a statement of their problems. In our wide acquaintance will be persons who can assist in the solution of these problems. These questions and answers will be featured in the MICHIGAN FARMER because of their bearing upon the efficiency of our farmers during these critical times.

For Home Efficiency

But efficiency in the field is no more important than efficiency in the home. Little hints and suggestions will be gathered from the experiences of our household readers, domestic science experts, teachers, etc., and published in our women's department. Here will also be published practical articles on cooking, sewing, and other household activities. Renewed interest in knitting and sewing has led to the introduction in this department of a special Needlework Service. Conservation day suggestions will be a feature of coming issues to assist the housewife in complying with the demands of the Food Administration.

Our Boys and Girls

Then we have a still greater obligation. A prominent social leader recently said that the destiny of our nation was dependent upon whether we can retain our young people on the farms or not. We recognize this as a vital necessity, and have established a special boys' and girls' department to interest them in the farm, the farm home and the rural community. Boys and girls in our own State have accomplished remarkable results in growing crops, feeding animals, canning, sewing, baking, etc. For instance, one boy grew 142 bushels of potatoes on a quarter of an acre of land. Another showed his father how to grow corn. And a girl holds the Michigan bean championship. Articles on how these crops and many others were produced will be a feature of this department.

Other Attractive Features

"How the World's Business is Done," a series of articles by the well-known Farmer and Banker, Comfort A. Tyler, will make some very interesting reading for our boys and girls. Then the 25,000 Boys' and Girls' Club members in the State and the thousands of others who will soon be initiated into the local organizations, will be delighted to learn that the page dealing with this very important work is to be in the hands of that matchless worker and Club organizer, E. C. Lindeman, Michigan state leader of Boys' and Girls' Clubs.

These are some of the things provided for our readers during the

These are some of the things provided for our readers during the coming year. In considering them, however, we do not want farmers to lose sight, for a single moment, of the fact that the primary object of the MICHIGAN FARMER is to aid in the practical work of making the farm pay in the broadest sense of that term. Nevertheless in adding these other features we are giving our subscribers a journal that will interest and instruct every member of the farm home.

THE EDITORS.

# A New Department for Our Boys and Girls

WE'VE started a "Boys' and Girls'" department that's going to have heaps of interesting things in it for you. We want you to use this department in every way possible. Besides the many interesting features we have already secured for it, we would especially like to have you write your experiences on the farm. We are so eager to have you do this that

We will give one dollar each to the fifty boys or girls who send us the best stories of their experiences.

Just write your story as if you were writing it to a friend. Your own way of telling the story usually is the best way. Send some pictures with it if you have them, as pictures are always interesting.

There is only one requirement necessary for entering this contest,—one of your family must be a MICH-IGAN FARMER subscriber. If there is no MICH-IGAN FARMER coming to your family, you can still take part in this contest by getting someone to subscribe; or if the subscription expires soon, urge a renewal. Tell the folks to use the enclosed envelope to subscribe.

Keep your eye on our "Boys' and Girls'" department. Tell your boy and girl friends about it,—they'll be interested. We'll mail them sample copies if you will send us their names.

And don't forget to send that prize letter before January 15th, because the contest closes then.

THE MICHIGAN FARMER Detroit

# Two Great Serial Stories for Mich. Farmer Readers



The Hero and Heroine.

"Inside the Lines"
By Earl Derr Biggers and Robert Welles Ritchie

"The Grizzly King"
By James Oliver Curwood

EVERY student of current literature will tell you that these authors are among the very best in America today. Prominent publishing houses rejoice when they are able to close a contract for a book from any of them. The Michigan Farmer therefore feels that it has scored another victory in the story line by securing for its readers the above serials to add to its list of good stories.

"INSIDE THE LINES" is a war narrative depicting the intricate spy systems that the warring nations of Europe are obliged to contend with, incidentally relating an international romance that is fraught with the most baff-

James Oliver Curwood's "THE GRIZZLY KING" takes the reader through unexplored fastnesses of the Canadian Rockies and gives a most fascinating account of a giant grizzly's first experience with man.

Not one member of the family should miss a paragraph of either of these two great stories. Both start in this issue. Turn to pages 571 and 581.



The Grizzly King.

# The 1917 International--- A National Food Camp

meeting with lavish praise from the cision was a popular one. thousands of stockmen and visitors which thronged the ringside and exnew record for the show.

tered around the historic fat steer con- 1916. In all Mr. Hall had on exhibithem on a small feed of corn, oats and gave the calves all of the clover hay test, which was this year won by Merry Monarch, a pure-bred Shorthorn, bred and shown by Purdue University of Indiana. The winner of the Grand Championship is a steer of wonderful quality and finish, as will be noted from the accompanying photograph.

### How the Grand Champion Was Fed.

Speaking of the record made by this steer, Dean Skinner, of Purdue University, described the manner in which he was fed as follows:

"Merry Monarch was dropped in pasture the summer of 1915 and run with his dam until snow came," said he. "He never had an extra nurse cow and was not pampered at any time. The first winter found him with his stall mate, who was a close second, in a big box stall munching clover hay, corn silage and receiving a light ration of cracked corn, ground oats and a little oil meal.

"The following summer he continued to receive the same grain ration while running on a bluegrass pasture. About the first of January, 1917, his grain ration was gradually increased. He was fed twice daily until June 1 and since then has received three feeds daily, consisting of cracked corn, ground oats, a little ground barley. About September 1 cooked rye was fed in the evening, while the amount of corn was gradually decreased.

"During the last six weeks his ration consisted of six to eight pounds of cracked corn, three to five pounds of ground oats, a light feed of cooked rye, about ten pounds of good corn silage in two feeds and a little clover hay once daily. The gains on this steer were gradually averaging from forty to sixty pounds per month during the past six months. This steer was never off feed and during the past two years was used in the judging classes of the college throughout the college year."

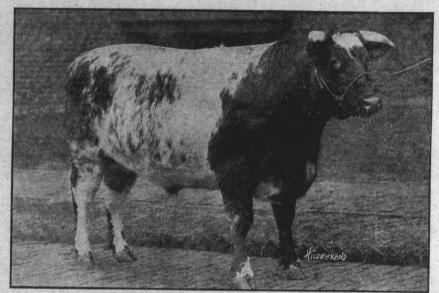
Merry Monarch is a Secret, by Lavender Sultan 345171. He weighed 160 pounds at the ringside at two years and five months of age. Something of the character of the competition which he encountered is evidenced by the fact that this steer did not win the championship in the Shorthorn steer classes, that honor going to a yearling Shorthorn steer of similar breeding also exhibited by Purdue University. This institution won all firsts on steer exhibits in this breed, all of them being sired by Lavender Sultan, a grandson of the famous Whitehall Sultan.

HE 1917 International Live Stock champion, in the words of Capt. Rob- tion seven loads of Angus steers, com- clover hay, gradually working them

#### The Grand Champion Carload.

hibition stables throughout the week. lot classes was won by Edward P. Hall, this contest. Final figures for attendance are not of Mechanicsburg, Ill., with a wonderavailable at this writing, but it is con-ful load of Angus yearlings. This is fidently predicted that it will reach a the fourth time that Mr. Hall has won ting them as follows: As usual, the interest of visitors cen- ing previously won in 1910, 1912 and after they had been weaned. I started the calves. After the frost came, I

#### How the Champions were Fed.



Merry Monarch, Grand Champion Fat Steer at the 1917 International.

# A Great Shorthorn Show



Maxwalton Commander, Grand Champion Shorthorn Bull at the International.

HE exhibit of Shorthorns at this His sire is the celebrated champion of line-up of steers for the premier honor, of opinion of many annual visitors at by S. G. Eliason, of Montevideo, Minn. over the 350-pound limit.

the contest narrowed down to Merry the International. Undoubtedly, the In this same class second place went In Class 248, for hogs weighing 200 Monarch and Liberty Bond, whom exhibits in the Shorthorn breeding to an entry of Anoka Farms, of Wau-pounds and under 250 pounds, G. E. many critics thought to have a strong classes was one of the attractive fea- kesha, Wis. The competition in the Phillips, of Delavan, Ill., took the first claim to the grand championship. How- tures of the entire show. Herewith is other Shorthorn breeding classes was prize with a lad of Duroc-Jersey hogs. ever, the Canadian judge, Capt. T. E. presented a cut of the grand champion just as keen, breeders and critics alike In Class 249, hogs weighing 150 pounds Robson, found this runner-up some- Shorthorn bull, Maxwalton Command- joining in the statement that the av- and under 200 pounds, D. M. Brown, of what lacking in depth and smoothness er, shown by F. A. Gillispie & Son, of erage high quality of the exhibits was Delavan, Ill., took the blue ribbon with of covering which would have put him North Muskogee, Okla. Maxwalton the best ever seen in any American his Duroc-Jersey hogs. at the head of the line, The grand Commander is just past four years old. show.

Exposition, aside from being the son is "a wonder for depth and smooth- prising 130 head. These were all pure- to a full feed of corn, with about one-world's greatest live stock show, ness, and is in the pink of condition." breds but not registered and were in third of oats. This feed lasted over the deserved the slogan which has this This is the second time Purdue Univer- such excellent condition that with the winter. In April, when the grass was year been given it as "the nation's food sity has won the highest honors of the seven loads he won the grand cham- ready, I took the oats away from them, camp." In every department of the show in the fat steer contest. Merry pionship, the reserve championship and and started feeding cottonseed meal, show the entries were more numerous Monarch was recognized by all critics the third best load. Mr. Hall gives corn on grass, gradually increasing the and of even better quality than usual, as an outstanding steer, and the de- much credit for his winning to the co- cottonseed meal ration until the operation of Angus breeders in his own calves were getting two pounds a day. and neighboring states, from whom he On July 1, I started giving the calves The grand championship in the car- secured the animals to be fitted for molasses feed, and kept increasing it until they were getting two pounds a day. This ration was continued until-Mr. Hall described the method of fit- the end of the feeding period. I had a patch of sorghum, and as soon as it this honor at the Interantional, he hav- "I got these cattle in October, 1916, was ready for feeding, I gave it to they would eat. On September 1, I supplemented the corn, cottonseed meal, and molasses feed with ground barley, it making up about one-fourth

"I had the calves eat all of the commercial feed they would, but still gave them all of the corn they cared for.

"On my farm at present I have 130 head of calves which were picked from Angus breeding herds. These calves will be fed out for the show next year."

The seven loads of cattle exhibited by Mr. Hall won him a total of more than \$2,000 in prizes awarded in the show ring.

#### Fat Hogs.

In this section of the show the Berkshires were winners of premier honors. In the fat barrow class Hood Farm, of Lowell, Mass., "brought home the bacon," with the grand champion barrow and the grand champion pen of barrows, both of Berkshire breeding. The grand champion fat barrow was a senior yearling, fitted to the pink of perfection. The grand champion pen were also yearlings.

Reserve grand champion fat barrow went to the well-known Hampshire breeder, R. C. Runkle, of Littleton, Ill., on a senior yearling of notable smoothness and quality. The reserve grand champion pen of barrows went to Ohio University on yearling Duroc-Jerseys.

The absence of several old-time exhibitors from the breeders' ranks left the way clearer this year for the colleges, and they made the most of the gap. In Poland-Chinas this was particularly true, and here the biggest gains, annexing championship single barrow, the champion pen going to the Iowa State College on junior yearlings.

The champion Duroc-Jersey barrow came from the Ohio College and won in a strong field. Chester Whites were more largely in the hands of breeders than any other breed, except Hampshires, and champion pen of barrows was won by an Indiana breeder, J. K. Milner, of Thorntown. University of Ilinois got the champion barrow. In Hampshires breeders got both championships, pen going to Simon Albrecht, of Tiskilwa., Ill., and single barrow to R. C. Runkle, of littletown, Illinois.

In the carlot classes for fat hogs the year's International was one of champions, Avondale, and his dam Im- Berkshire breed scored another victhe most spectacular in the his- ported Roan Lady Thirty-six. The tory, the championship being won by a In the contest for championships by tory of the show, and the crowd at the grand champion won in a class of ten load of Berks, bred, fed and exhibited ages the champion Shorthorn steer lost ringside when these grand classes were aged bulls from which Judge W. A. by T. E. Berner, of Augusta, Ill. Beout to Liberty Bond, a grade Hereford being judged showed the popularity of Dryden, of Brooklyn, Ont., said the sides winning the premier awards of calf shown by W. L. Yost of Kansas. this breed among International visit- picking of a winner was one of the hog show, this load took first in Merry Monarch, however, won the ofs. Such a grand exhibition of reds, knotiest problems he has confronted in Class 247, which called for hogs weighchampionship in the two-year-old class whites and roans has never competed his extensive experience as a Short- ing 250 pounds and under 350 pounds. by a narrow margin over a splendid in the ring of this or any other show in horn critic. The chief competitor for There were only three classes for hogs pure-bred Hereford from the Kansas America, if indeed anywhere in the grand championship was the rich and in the show, the weights ranging from Agricultural College. In the splendid world. This represents the consensus mellow senior bull calf Sunrise, shown 150 to 350 pounds. There were no hogs

(Continued on page 564).

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CURRENT COMMENT.

The Farmer and the War.

bor conditions and during the past losses. year unseasonable weather, isolated as he is from war activities and the fevered hastening of needed preparations, it is difficult to bring home a realization of the crisis which the country is facing, and the responsibilities and obligations of the farmers of the country in connection with the war. One has, however, but to meet an intelligent observer who has visited the war zone, or a returned soldier from the front, to have these facts impressed upon him in a way not to be overlooked or forgotten. In the not distant future the truth will be brought home to all of us in this way, yet there is a possibility that this process may be too slow for the most desirable result of prosecuting the war to an early and successful finish which will preserve the honor of our nation and make the world perpetually safe for democracy.

If every reader of the Michigan Farmer could have been present at the recent meeting of the Michigan State Association of Farmers' Clubs at Lansing, and listened to Dr. Wilbur, chief assistant of National Food Adi too, our system of crop rotations may of the larger meat animals, and with have gotten the right viewpoint regarding the responsibility and duty of Amtaking up storage room or deterioration for a third Liberty erican farmers in helping to bring this ing further by exposure to the elements.

Materials of all kinds, but particular-the farmers of Michigan and the Unit-ty steel and some other commonly us-

during the coming year America's ment should be at once torn down, pos- isfactory conditions to the producer mum.

greatest contribution to the war must sibly useful parts saved for the repair of live stock. Nationwide campaigns than in men, and that not only the sold for junk. armies but the civilian population of The amount of material which would son that these lines of production our allies must be fed and clothed and be again turned into useful channels promise the quickest returns otherwise enabled to exert their full by the general adoption of this suggesline until our armies may be massed appreciated, and is too important a cattle from localities where there is a in force to aid them. He further em-factor under present conditions not to shortage of feed to areas where feed phasized the fact that unless the re- be given the attention which it merits. stuffs are relatively abundant. Various ditions which now obtain in the devas- ted to present needs on the farm should secretary's annual report, but the large sections of the United States, the end that they may contribute some- its unquestioned importance in the and that at no distant date.

but rather because they do not realize ant than ever before. the situation in which we as a people which confront the farmers of Michigan and the country are many and varied, but it is our duty rather to minimize them or their effect upon the all important problem of increased production by doing our very best, no matter how unfavorable the conditions with which we are confronted, rather than to exaggerate or bemoan our hardships.

Patriotic action rather than criticism other than of a purely constructive nature should be our line of action. The problem of increased food production will be a more serious one for the farmers of America next year To the average man than it has been this, but let us apliving on a farm proach it with the same spirit and the and responding to same determination to win with which the call for increas- our boys will go to the battle front. It ed production of food stuffs as best he is only by such united support that

Materials.

many cases be surprised at the quan-however, is that the number of hogs the British officials eliminated salitity of material lying about which on the farms at the present time is esents that were difficult to hold without might be made more useful if again timated to be greater than it was at sacrificing a large number of men, and might be made more useful if again timated to be greater than it was at turned into the regular channels of the beginning of the European war. trade. Farm equipment is constantly The number of hogs varies from year

power in holding the present battle tion is much greater than is generally for the transfer of large numbers of quired aid is given to enable the ac- Implements which remain serviceable other phases of the nation's agricultated countries mentioned may easily be offered for sale to other farmers, meat situation is, as above noted, givthing to the campaign for increased present emergency. Not, we believe, because of any in- food production in which suitable maherent lack of patriotism or loyalty, chinery and equipment is more import-

Aside from the patriotic reason for are placed at the present time, there turning all idle materials found on the remain many farmers as well as many farm into useful channels, there is an people of other callings who permit the excellent business reason for the same personal business hardships or difficul- course. All kinds of material will comties which the war has already brought mand a higher price now than ever beto them to overshadow the larger is- fore in the memory of the present gensues which are of greater importance eration, and it will be profitable as well to them in common with all mankind. as patriotic to take steps toward turn-Truly, the difficulties and handicaps ing it to some future profitable account.

> Secretary Houston's Report.

In his annual report just made public, Secretary of Agriculture

Houston points out the year's results in agricultural production, aggregate more than 5,500,000,000 bushels of cerresponded generously with increased production, the results do not justify invaders last week in a final effort to any let-down in activities, but should inspire us to greater efforts for the coming year.

In summing up the live stock situation a very creditable increase in the number of cattle is noted, with about a corresponding decrease in the num ber of sheep and a still greater demay under the handicap of difficult la- they will be able to win with minimum crease in hogs. It is estimated in the report that the number of hogs, which If the average farmer during recent years has shown an up-Conservation of would take an inven- ward tendency, decreased 4,000,000 in tory of unused equip- 1916, or from 67,453,000 to 62,747,000. ment, he would in An encouraging feature of the outlook, wearing out and breaking down. Then, to year far more widely than is true

be in food stuffs and materials rather of other equipment, and the residue for increased production of hogs and poultry are contemplated, for the rea-

Extensive plans are also under way complishment of this result, the con- but may not be of a size or type adapt ure are, of course, taken up in the be brought home to the farmers of either at auction or at a fair price, to en primary consideration because of

#### HAPPENINGS OF THE WEEK.

Foreign.

Last Thursday morning, Halifax, Nova Scotia, was nearly destroyed by the explosion of a munition ship's cargo in the harbor. The Norwegian ship Imo rammed the Mont Blanc, causing the high explosives aboard the latter to let loose. The concussion was so great that buildings in that part of the city nearest the harbor were leveled city nearest the harbor were leveled to the ground, while surrounding cities and the country for a distance of fifty miles felt the effects of the disaster. No official report has been made upon the number of dead, but estimates vary from 2,000 to 4,000. Officials state that from twenty to twenty-five millions of dollars will be required to reliave the unfortunate people. Aid is relieve the unfortunate people. Aid is being rushed with all possible haste

from this country and Canada.
The European War.—Stubborn fightbreak through the defenders' line and gain a position in the plains beyond, before the winter snows make further-operations impossible. Thus the battle of Asiago is virtually suspsended with the enemy checked if not defeatwith the enemy checked if not defeat-ed in his main design to reach the Bretna Valley. English troops are fighting around the heights of Montel-lo on the upper Piave river. On the eighth a fleet of Italian airplanes at-tacked the Teutonic positions, drop-ping 2,000 bombs which observers re-port did extensive damage—During port, did extensive damage.—During the past few days things have been quiet in northern France. However, last week, following massed attacks last week, following massed attacks by the Germans on the Cambrai front, now much of the new British lines in this sector rests upon the famous Hindenburg line built by the Germans. Dispatches state that the railroads in the Rhine district of Germany are crowded with trains of troops and artifletic state of the state of tillery moving toward the west. Civilians are not permitted to travel and the front is closed.—In Mesopotamia British and Russians are driving back the Turks. Reports indicate that in Asia Minor the Russians have not the Turks. Asia Minor the Russians have not ceased operations here, as is the case along most of the front in Europe. The Palestine campaign is progressing favorably to the British troops.—The Bolsheviki government of Russia is now considering proposals for the arrangement of an armistice with the central powers, during which time terms for peace are to be deliberated upon. Political parties opposed to the extrempeace are to be deliberated upon. Political parties opposed to the extremist element now in power, are organizing a new rebellion to crush the Bolsheviki faction. Konilorf and Kalendines, with constitutionalists and imperialists, are together in this action to thwart the government's armistice

National.

The cold weather is causing great zero over a majority of the northern states.

It is predicted at Washington that the economic situation between the United States and the northern Europe neutral countries will be amica-bly settled so that these countries will and every blessing which makes life any kind of implements or equipment. tention to the large production of feed soon be able to secure food from Amin any sense worth the living.

Under these conditions every worn out, stuffs this year, and to the fact that board that reshipment of rations to Dr. Wilbur empahsized the fact that hopelessly broken or obsolete impleting the same should conduce to more satterns and to the same should conduce to more satterns and to the same should conduce to more satterns and to the same should conduce to more satterns and to the same should conduce to more satterns and to the same should conduce to more satterns and to the same should conduce to more satterns and to the same should conduce to more satterns and to the same should conduce to more satterns and to the same should conduce to more satterns and the same should conduce the same should be same should b

## We Want Your Cooperation

In this issue is an envelope enclosed primarily for the convenience of the large number of our friends whose subscriptions expire soon. However, of our many readers whose subscriptions do not expire for some time we ask the cooperation of putting these envelopes to good use.

Your neighbors will be interested in our plans to make the Michigan Farmer of greater service to the Michigan rural family. Tell them about our new features-let them read the anouncement on page two. They undoubtedly realize the necessity of keeping informed in these strenuous and ever changing times and will appreciate your bringing these practical features to their attention. Please hand the enclosed envelope to someone you have interested.

We thank you for your cooperation in this matter.

ministrator Hoover, he would quickly be changed so that equipment once the cooperation of producers the numdeemed necessary remains idle, either ber can be increased with correspond. proposals. ing the responsibility and duty of Am- taking up storage room or deteriorat- ing rapidity.

the farmers of Michigan and the Unit- ly steel and some other commonly us- to 1917 was 13,000,000. When this is committees ed States are striving to meet the de- ed metals, are very scarce and high in taken into consideration along with mand for increased food production, price at the present time, due to the fact that there has been a net de-he contrasted their lot to that of the immense quantities of such materials crease in the live stock maintained for sands of people are without heat in he contrasted their lot to that of the immense quantities of such materials crease in the live stock maintained for sands of people are without heat in farmers of Belgium, of Northern required for war supplies, and the abthe same period it would attract serious their homes. Police reports for the France, of Roumania, of Poland, of solute necessity of giving war needs attention, even under normal condicity of Detroit indicate that fully 2000 Northern Italy, and other devastated first consideration. This shortage of tions when the demands for meats and families faced the cold spell with no sections of Europe's wide-flung battle metastic property of the form equip. The farm equip. The farm equip. The same period it would attract serious their homes. Police reports for the contract of the same period it would attract serious their homes. Police reports for the form equip. sections of Europe's wide-flung battle material will be felt in the farm equip- fats were not as rigid as is the case at front. He brought home the fact that ment field quite as soon as in any, in the present time. wherever war exists, there the farmer fact, it has already been felt by every It has been observed that there is

loses his all, his home, the safety and farmer who has had to purchase new a close relationship between the properhaps the very lives of his family, machinery during the past year, in the duction of live stock and the supply and more than likely his own liberty increased price required to purchase of feed stuffs, and the report calls at-

# Help Hoover with Broilers--- By R. G. KIRBY

equate supply of meat of all kinds.

Red Meat Short.

our allies require more than ever be- er sources. fore. We are advocating in every household, every hotel and restaurant, pork and mutton. While we want increase in the latter, we must have a quick response in poultry products. There is a great waste of poultry feeds from every household and every farm. It requires little labor: Cannot the poultry raisers of the country help us by providing the increased supply we

It's Up to the Farm Poultry Raisers.

The large commercial poultry plant will have its own problems of production which will not be discussed here. In general the increase in poultry products must come from the farm and a large production of broilers early next year will be of great help in reducing the meat shortage. The writer disagrees with Mr. Hoover in two of his statements. He suggests that there is poultry production this spring by rec- proper feeding methods are used. ommending it as a vocation requiring

The farmer is the man to produce the time for marketing. the increased supply of poultry. How shall he do it? In the first place, broilers to be the most profitable must until the oldest of the hatch are about be vigorous and early hatched. This sixty hours old. This will insure the means foundation stock of a good lay- younger birds being plenty old enough ing strain so that an abundance of eggs for food assimilation. Some breeders will be produced during January and have advised feeding at twenty-four February as well as in March and Ap- hours old. In that case we find that ril. The eggs for hatching should be many chicks which come out late will from hens. It is next to impossible to be fed too soon and this will result in raise the finest chicks from eggs laid death. The brooder house floor is the by pullets. Some breeders do very well daily playground of the early hatched in producing broilers from Leghorns. broiler chicks and it must be kept in a dottes and Reds.

sary. The farmer with a dry cellar chaff. large enough for incubator work is Green food is too frequently neglectlucky. Some breeders obtain good re- ed by the farmer feeding early hatched Broilers that have been poorly fed fourteen days. Some that have been

HE present situation indicates ferent rooms of the house. It is often ed in the litter will waken up the markets. It pays to fatten them. We profit on the farm. Many large poultry ing devitalized chicks than in the late food. plants have suffered severely from the spring or summer. The machine may high price of poultry feeds and some of run ten or twelve degrees too low for are important in the chick's ration. the feed consumed and reduce the exfarmers possessing the evidence that for a short time and it may ruin the fluence in keeping down bowel trouble. to take on fat. Some breeders allow birds have been given proper care. The the best prices and the pullets from or it will cause trouble and we had to develop a frame and then they conthe spring they are large enough to especially when they are confined to The farmer should remember that In a message to the American poul- gather a great deal of their own food, the narrow limits which are often nec- milk is one of the most valuable and try Association and the producers of If they are confined and forced for a essary during cold weather in the late necessary elements in a fattening rapoultry and eggs in the United States, rapid growth they can be marketed winter and early spring. Herbert C. Hoover states: "We are early in the season when the farmer short of red meat. Our soldiers and may have little if any income from oth-

Efficiency in Broilers.

the substitution of poultry for red of artificial brooding. The oil brooders growing young chicks. Last year we Broilers weighing twenty-five to thirty meat. Increased production of poultry will give the best service in the spring did fairly well with most of the chicks pounds per dozen birds will require a can be effected much faster than beef, if they are placed in a colony house to by substituting oats for the wheat. 17x16x4 inch box. They should be

Wheatless Rations.

Because of war conditions poultrymen will probably have to do their

that the meat shortage may be- easier to obtain good hatches early in chicks and give them lots of exercise have had good success in fattening come very serious and poultry the season. There is less danger of on a cold htormy day. Sprouted oats Barred Rock broilers by confining meat can be quickly produced at a the machine over-heating and produc- furnish one of the finest kinds of green them and feeding plenty of corn meal mixed with sour milk. The principal Fine grit, charcoal and fresh water of fattening the broilers is to increase them have practically discontinued bus- several hours without seriously injur- Buttermilk and sour milk-promote a ercise. Young poultry on free range iness. At the same time there are few ing the eggs. Allow it to run too high rapid growth and seem to have an in- often travel too far and work too hard their flocks are financial failures if the hatch. Early hatched broilers bring Sour milk must be fed in clean dishes the broilers to range until they begin farm is the right place to produce poul- such flocks will lay in the fall. All of just about as soon throw sour milk fine the birds and give them forcing try meat in times when the welfare of the early hatched birds obtain the ben- away as to see chicks eat it when it rations. Others confine the broiler the country depends so much on an ad- efits of a long growing season. When has become contaminated with dirt. chicks and give them plenty of feed to the range is ready to receive them in Dirty feed is poison to young chicks, induce a rapid growth from the start. tion and he should not try to fatten fowls without it.

Shipping Brollers.

When broilers are shipped dressed best without wheat. Wheat has for- the two-pound size will require a box Incubator hatching requires a system merly been one of the best feeds for 16x15x31/2 inches for a dozen birds. neatly packed in boxes made of clean wood in order to attract attention on the market. Even the finest of milkfed broilers might be seriously discriminated against if they were shipped in a careless, dirty appearing package.

When broilers are shipped alive in crates, a crate should only contain eighteen birds weighing from two to three pounds, or twenty birds weighing from one to two pounds. Over-crowding of crates is against the law and of course it is also not for the best interests of the shipper. A standard crate should be three feet long and two feet high. The height for broilers is one

The Outlook.

The present outlook for the poultry business has discouraged many breeders. The necessity for meat products is not a myth and if the farmers can little labor." Some farms probably colony houses will each care for 200 or feeds to keep young chicks growing, raise more poultry and assist the govwaste feeds that could be used for poul- 300 chicks at a minimum expense for When they begin to feather out we ernment in that way, it is their duty to try, a great many farms save all of the fuel. Some breeders are using a de- have been able to feed some boiled turn out as many pounds of poultry waste and practically raise their poul-vice for burning oil in the stoves for- oats with apparently good results. Oats meat as their time, capital and equiptry on such products. The farmer who merly used for coal and find that the can be soaked over night to soften the ment will allow. The fallacy of thinkthinks raising poultry requires no la- oil produces a more even heat and re- husks and then boiled in the morning ing that broiler raising is going to be a get-rich-quick business should be corrected. The fact that there is money in poultry even at the present price of feed should be emphasized. Broiler effort demanded by other lines of farm- bator chicks when they are ready for eat lots of feed, which results in rapid raising is as safe as any branch of ing. Little labor with the poultry will brooding. The old hen will keep them growth. Poultry cannot be injured by farming if the farmer does not take all usually mean little profit and it is more in fine condition if she is not given eating too many oats if they are fed of Hoover's advice and believe that "it requires little labor." Farmers know Whenever the days are still and the that it requires a great amount of attention and time if the business is suc-

> hawks, digestive troubles and feed bills find us prepared to fight a good fight. And luck, sometimes it surely seems that there is luck in the poultry business. Here's hoping that luck is on the side of everyone of us when it comes to growing a big flock of early hatched chicks and broilers.



A Good Weight.

Many farmers find by experience that sanitary condition. An inch of sand hatched broiler chicks out on the bandry of the Michigan Agricultural they can produce better broilers with covered by clover chaff will be satis- ground. The touch of the earth seems College has found in the course of less worry by using the meat-produc- factory. Some form of litter is usually to stimulate them and prevent the trou- many experiments. In fitting fowls for ing breeds, such as the Rocks, Wyan- desirable to prevent toe-picking and ble known as leg-weakness. When the killing the method of handling, as exkeep the chicks busy. Some breeders chicks cannot go outside the brooder perienced poultryman know, is distinct-There will seldom be enough hens use only a sand floor but we have house some breeders place large ly different from that employed where wishing to set in the months of Febru- found a litter best over the sand. The clumps of moist sod in the house and the fowls are kept for egg production. ary and March to hatch many broilers. chicks obtain more or less green food the chicks enjoy scratching in the If chickens intended for fattening This means that an incubator is neces- from picking at the leaves in clover earth. It seems to help them to grow are confined in a darkened room, or in stronger.

Marketing the Broilers.

sults by running the machines in dif- chicks. Finely chopped onion scatter- do not meet with favor on the best

cessful.

Here's hoping that the weasels,

#### RIGHT RATIONS FATTEN FOWLS QUICKLY.

Proper fattening of fowls for market -by which is meant the most economcal putting on of flesh in the fewest possible days—is an art requiring full appreciation of the food needs of the bird, the department of poultry hus-

crates, they will require rations which will fit them for market in at least

(Continued on page 584).



A Vigorous Bunch that will Make Good Broilers.

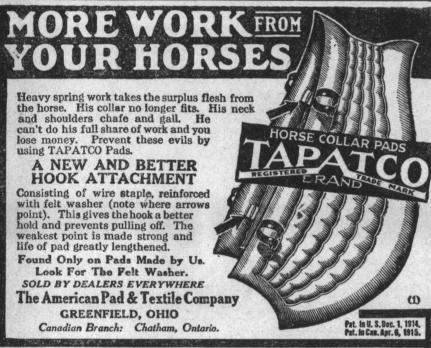
a great waste of poultry feeds from give additional protection from storms. Steel cut oats can be fed at an early every farm and says that "it requires Coal-burning colony brooders used in age. Rolled oats are one of the finest bor or worry should not attempt the duces the danger of the fire dying out before feeding. business as a few years of experience on a cold night. Some breeders hatch They make quite a bulky feed which will prove that the poultry business re- early and plan to have enough setting is good to stretch the crops of young quires the same amount of energy or hens ready to take care of the incu- birds and increase their capacity to apt to mean serious losses. It will not more than twelve or fifteen chicks and after being soaked and boiled. pay to advise farmers to increase their the mortality is usually quite low if

In brooding chicks, overcrowding little labor. It is far better to empha- must be avoided, it will result in stuntsize the fact that it is profitable but ed and sick birds. In broiler raising the profits can only be gained by the the success depends on the skill in maximum of energy and watchfulness. keeping the chicks constantly growing Equipment for Producing Broilers. from the day they leave the shell until

Feeding the Broiler Chicks.

We like to starve the broiler chicks





# Wet Beans We buy them. Send exact sample in tin can. culls to sell. W. L. IRELAND & CO., Grand Ledge, Mich.

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Pulverized lime rock for "sour" soils. Write for LOW PRICES DIRECT TO YOU and we will send sample and full particulars. Write to office nearest you. SHORE STONE COMPANY, Mich., and South Haven, Mich.

ase Mention The Michigan Farmer When Writing to Advertisers

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ATLANTIC COAST LINE RAILROAD The Standard Railroad of the South.

Maple Syrup Makers



# Annual Gathering of Fruit Growers

planned to hold a four-day meeting Texas property of the company has there, cutting out the evening sessions, been sold to satisfy the creditors. The tion. Probably 300 to 500 bushels of being continued on the old basis. apples will be exhibited and 100 growers at the Grand Rapids meeting pledged fruit for the Detroit show. The society has never been flush with money and the offer made by the Detroit Chamber of Commerce of free hall rent and other inducements won the day for the metropolis. Beginning on December 1 of this year, both the annual and the life membership fees in the society are doubled, making them \$2 and \$10 respectively, and this action is expected to help the organization financially. As another economical stroke the executive board voted to cut the pay of the secretary in two, making it \$300 per annum. As a result of this action the hard working and efficient secretary for the past four years, Robt. A. Smythe, of Benton Harbor, declined reelection.

#### Officers Elected.

The roster of officers for 1918 is as follows: President, Chas. A. Bingham, Birmingham; vice-president, James Nichol, South Haven; secretary, Geo. E. Lowe, Bangor; treasurer, J. Pomerow Munson, Grand Rapids; directors for three years, Prof. C. P. Halligan, East Lansing; E. J. VerDuen, Novi. The hold-over members of this executive board are F. H. McDermid, Battle Creek, E. O. Ladd, Old Mission, James Nichol, South Haven, and George A. Hawley, Hart.

The February, or winter meeting of the society will be held in South Haven.

#### Federated Packers Meet.

ville; secretary-treasurer, George L. fruit clean. Port, Coloma. Fifteen of the local associations of growers have supported the Federation during the past year, paying membership fees of \$10 each, and the reports made by delegates at. this first annual convention were unanimously in favor of continuing the Fedgoing to put half into onions and half eration. Later it is expected that a co- into cabbage. What will I use for fer-tractive control colling agency will be supported as a co- tilizer? T. M. Y. operative central selling agency will be operative central selling agency will be
It is very difficult to advise regarding established and as a step to this end the fertilizing of this piece of ground, ation under laws of the state. It is ex- growth of plants that are grown on it. pected that the central selling agency creased tonnage we shall have to move onions. our fruit after the war is over. Officials was the attitude taken by them. The the use of phosphate. North American does not care to take We are sure that if you are thorough over the selling the coming year on the in the preparation same basis as last year.

#### The Business Meeting.

Reports of Secretary Smythe and Treasurer Henry Smith were read and bage and onions. adopted. They showed that 132 life members at \$5 each, and 181 annual memberships have been received during the past year. The cash balance on hand is \$887.12. Trustees of the Lyon Memorial Fund held a meeting December 4, with the following officers present: President, C. J. Monroe, of South able pastime for some member of your Haven; secretary, Jas. Satterlee, Lanfamily. For information write hand is \$887.12. Trustees of the Lyon you tap, you tap, Hudson, Ohio Grand Rapids. Treasurer Carfield re-

HE Michigan State Horticultural ported that through the failure of the Society held its forty-seventh an- Morill Orchard Company, in which a nual meeting December 4-5-6 in \$1,000 bond was held, the funds this Grand Rapids. It was the third an- year are \$7,600, as against \$8,600 a nual meeting to be held consecutively year ago. The bond was a lien on the in Grand Rapids, but next winter the real estate and was considered perfectstate society will go to Detroit. It is ly safe at the time it was taken. The with a great apple shown in connec- experiment station at South Haven is

#### The Awards Made.

First cash prize for display of fruit was won by Roy Munson, of Grand Rapids, and J. W. Pickett, of Caledonit, won second prize. In canned fruits Mrs. Ralph Ballard, of Niles, and Miss Grace Cummings, of Grand Rapids, took first money. In the special prizes offered, Roy Munson, of Grand Rapids, won first prizes for best plate collection of fruit, best Grime's Golden and best Wagners in bushels. Oscar Braman, of Grand Rapids, won first prizes for best box fancy apples, best three bushels of three varieties and best Greenings. E. Frue, of Hopkins, won first on the five-plate display of apples. J. W. Pickett, of Caledonia, won first on best two bushels of apples anw best Baldwins. The judging was done by Prof. Halligan, F. H. McDermid and C. W Waid.

#### Student Contests.

A feature as usual, was the annual speaking contest for cash prizes awarded by the society, with nine seniors in horticulture at the Michigan Agricultural College giving five-minute talks, and the entire audience as judges. The winners, with their subjects, were in the following order: G. I. Blades, East Lansing, "Toxic Residues of Arsenical Sprays;" P. J. Hoffman, Cowan, Penn., "Desirable Varieties of Grasses for Lawn Purposes;" E. S. Anderson, East Lansing, "European Grapes for America."

Interesting displays were made of The annual meeting of the Michi- spray material, graders and orchard acgan Fruit Packers' Federation was cessories. Some of the exhibits failed held Tuesday afternoon, following the to arrive, however, in time for the show regular session of the growers, and the because of the shipping conditions. The following officers were reelected: Pres. college made an impressive display of ident, James Nichol, South Haven; apples in quantities showing beneficial vice-president, John H. Crane, Fenn- effects of spray and dusting to keep the

ALMOND GRIFFIN.

#### TROUBLE DEPARTMENT.

#### Fertility for Onions and Cabbage.

it was voted to incorporate the Feder- unless one knows the character of the

Usually for muck soil, thorough prepwill have headquarters in Benton Har- aration, starting with fall plowing, is bor. President Nichol referred to the very essential for onions. Muck is very war as a means of introducing our rich in nitrogenous matte, which is the fruits in Europe and to the largely in- chief essential for the growing of good

If the soil is in need of a fertilizer at of the North American Fruit Exchange all, it would probably be acid phoswho were present stated there was not phate and some form of potash. Howthe least desire on their part to get ever, the potash is unobtainable now on control of the Federation. "You are account of war conditions, and, there-the boss and we are your servants," fore you will have to limit yourself to

> or your son, getting it in good mechanical condition and providing for thorough drainage, you will have success in growing both cab-

#### MAKE YOUR 'PHONE PAY FOR ITSELF.

THE MICHIGAN FARMER, 'Phone Dept., Detroit, Mich.

# The Bean Crop

**T** OW that threshing is in progress we can get some definite information as to yields. Previous estimates have been all guess-work, and in many cases the guess appears to have been far from correct, as guesses on yields, before the beans were pulled, have gone wrong by more than half.

As an example of the bean grower's troubles we will take a twelve-acre field here. The bean maggot got the first crop, and the field was replanted Seed was \$7.50 and \$9 per bushel. Owing to the cold season they made a slow growth, as did all fields. In the early fall this field looked as well or better than the average, and the pods showed up nicely. They were killed by the frost of October 6, and then they were rained on nearly every day for the remainder of the month. Fine weather began November 3, and at two o'clock of the seventh the beans were all in the barn. They were none too dry, but it seemed risky to leave them out any longer. It was intended to let them remrain in the mow for several weeks, but the machine came into the neighborhood, and cleaned up the other jobs, and it looked like a case of "now or never," so they were threshed the nineteenth. They proved dry enough to thresh out good, and the yield from the twelve acres was 107

#### A Test of Quality.

No. 1 good white beans, though all were or in the community. not as white as they should be, and I for seed. No. 2 were not so white, and lected makes a difference between soft after the repeated soakings from rain will have an immature or a chaffy ear and snow during most of October, I ex- or possibly an ear that is so wet that pected to find a lot of diseased beans. it spoils in the crib. There were twelve ounces of No. 1, five ounces of No. 2, and nine ounces of culls from the quart. To try them out orable conditions of the last few days the five ounces of No. 2 were put to corn is not drying as it should. In orsoak over night, and then boiled next der to withstand the rigors and inclemday. They cooked up nicely, and could ent weather of winter, seed corn should not be told from any good beans from be absolutely bone dry. The old settheir appearance, and when it came tlers tell us that in the early days they dinner time and we ate them, I doubt if allowed the seed corn to remain out an expert could have told from the doors all winter, often merely tying best quality. I know they were good. ears over the limb of a tree, but in the As a certain well known writer said of same breath they go on to state that pigs, beans is beans this year, and the unless corn is absolutely bone dry consuming public should not be too when it goes into the winter it cannot critical if the dry beans are not all stand such treatment. This treatment snow white. They will look all right accorded to ears that are only partially after cooking, and they will taste all dry results in weakened and dead right, too. Every bean that is eatable germs; kernels that are unfit to buoy should be saved this year, for they will up the expectant hopes of a crop all be needed before another crop is season. grown. The No. 2 grade will have to but as an article of food they will be vitality than that dried in a kiln, but equal, or very little inferior to the No. we are now convinced that the opposite 1, about the only difference will be in is the case. Kiln-dried seed corn is the appearance before cooking.

As for the prices. The first beans dry naturally. price has dropped to \$7, and if the critical one and this crisis should be growers are wise they will hold for an impressed upon every man who has the advance, which seems sure to come possibility of selecting more seed corn later. Some of the dealers are at their than he has already secured. This old trick of trying to scare the grower seed corn must of necessity be dried by stories of the fine crop in California, with artificial heat. The one characthat is sure to force prices down later, teristic that should be kept in mind so the Michigan grower should hasten when selecting the seed for a certain to sell before the drop comes. We have locality is to be sure that the ears are heard such tales, or something similar mature and that the tips are covered before, and should not be frightened. with corn, thus signifying that a defi-A well informed grocer in town said, nite relation has been established beseveral weeks ago, that beans would go tween the size of the ear and length of higher this year than last, and they the growing season. sold for \$10 a bushel last spring.

Every grower should, if possible, arrange to have his beans hand-picked before selling, thus saving the culls for

Eaton Co. APOLLOS LONG.

# The Seed Corn

HERE has been a great deal of talk about saving seed corn, but even at the expense of possible repetition, there are some things that still should be said. The majority of farmers have not been impressed with the absolute necessity of saving their seed corn this year. Officials who are able to make a reliable estimate assert that the seed corn situation of the midle western states is in very bad shape and that where heretofore they have had corn for themselves and much to spare, this year they will have about one-third enough seed corn to plant their own acreage. The case of the corn belt states east of the Mississippi river is in about the same condition and when it comes down to the actual truth of the matter there are only a few spots in the corn belt that will have sufficient seed maturing so that they will be able to replant the same acreage they had this year, together with some additional for next.

#### Home-grown Seed is Best.

Moreover not only will it be impossible to buy seed corn from those who bushels. Some fields in the neighbor- have a surplus this year, but it is a fact hood gave less than five bushels to the that the importation of seed corn from locations far away where it has been grown each year causes a great loss of The next morning after thresh- corn when we compare the actual crop ing I took a quart of the beans, just as with the crop that might have been they came from the machine, and hand- produced if the seed corn had been picked them. I made three grades, raised and selected on the home farm

The difference of a half-inch in the doubt if one in ten would be suitable length of seed corn that has been semany not plump, but were mature corn and hard corn. If it takes eighty enough to keep in good condition. The days to mature an eight-inch ear of third grade consisted of culls, only suit- corn it takes ninety to mature a nineable for feed. Discolored beans, green inch, and a hundred to mature a tenbeans, and some half-grown. What sur- inch ear of corn, and if we plant a prised me was that there was scarcely nine-inch ear in a locality having a a trace of anthracnose in the lot, and growing season of eighty-five days, we

Drying Seed Corn.

It is a fact that under the rather favtaste that they were not beans of the the husks together and throwing the

We have ordinarily believed that be sold at less than the No. 1 brings, seed corn dried out of doors has better more dependable than that allowed to

seed corn

I. J. MATHEWS. Indiana.



# **Don't Drive Home** an Empty Wagon

One farmer wrote us in July: "Our farmers have been told they will have to do without fertilizers because of scarcity,—but we are not going to do without, and I want your prices."

He didn't propose to drive home an empty wagon.

To ensure a supply of plant food for the farmers in the war emergency, the whole fertilizer industry has been and is now using every resource.

There is a shortage of freight cars in which to move phosphate rock from the South as well as fertilizers to the farmers; a shortage of ships to bring nitrate of soda from Chile; a shortage of burlap for bags; a shortage of ships to bring Spanish pyrites for manufacturing sulphuric acid. The Fertilizer Associations comprising 95% of the manufacturers of the country, maintain headquarters at Washington, co-operating with the Government to solve the problems confronting the industry that supplies the plant food which produces the country's foodstuffs.

To name all the manufacturers who have rendered service to the Government in this splendid spirit would be to print a directory of

The fertilizer situation changes daily in some detail or other. Farmers therefore should keep in touch with our nearest local agents, and order their fertilizers early. It is likely to be a long time before the price of any fertilizer or other commodity will come down.

Order now to ensure delivery. Don't drive home an empty wagon.

If we have no agent in your town, we want one. Write us for agent's name or ask for an agency yourself. It is paying 50,000 others. Why not you?



### READ THIS BOOK

No matter how many other books about fertilizer you have read, read this one. It is a new and different book. There isn't any advice in it for one thing. Probably you have about all the advice you need already. This is just a common sense book. You will read it and say: "That's so! Why haven't I thought of that before." If you are using fertilizers you are probably making money with them, but are you making enough? How do you know? By making little changes here and there, as you sometimes shift your farm labor and teams, perhaps you can make more. This book may help you. It costs nothing. No matter how many other books about ferti-

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You can help save the feed and do an act of patriotism, at the same time increase your own profits if you use a Heesen Cooker, 60,000 farmers in America are doing it. In some cases they have saved nearly 50% in feeding cost.

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2000 Ferrets For Sale



Pronounced Incurable-Save-The-Horse Did The Trick "Last May", writes Fred C. Nichols of Jefferson, N.Y.,
"my horse had a bad ankle, a large wind puff, and it
had been hurt and turned hard. Save-The-Horse has
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was made for the stubborn, so-called incural cases of Ringbone, Thoropin, SPAVIN—Disease of Shoulder, Knee, Ankle, Hoof Tendon—when all other remedies have faile and is sold under signed Guarantee to cure return money. Always keep a bottle ready any emergency. Send today for FREE 96-ps Save-The-Horse BOOK on diagnosing a treating all lameness—result of over 22 yes of success; also write for sample of contra and expert veterinary advice. All FREE.

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Guarantee, or we send it direct by Parcel Pest Prepaid.

TIONAL FOOD CAMP.

### (Continued from page 559). Fat Sheep.

The quality of the carlot exhibits of fat sheep was declared by visiting sheep men to be the best they had ever seen shown at the International. In this division a load of Shropshire lambs exhibited by A. J. Knollin, of Soda Springs, Idaho, won the grand championship. Mr. Knollin's range lambs took the blue ribbon in this

R. E. Catton, of White Pigeon, Mich., was the winner in the range sheep

Heart's Delight Farms, of Chazy, N. Y., had the blue ribbon winners in the native lamb class.

The Flossmoor Farms of Flossmoor, Ill., again won the championship for yearling native wethers.

### Winners Bring Record Prices.

Two dollars and ten cents per pound was the final bid on Merry Monarch, the grand champion fat steer, in the sale ring. This is the highest price ever paid for an individual steer. The steer was first purchased in the auction ring by the American Shorthorn Breeders' Association at \$2.05 per pound. Immediately after the sale, Secretary Harding of the Shorthorn Association jumped to the platform and announced that the steer would be resold and the proceeds donated to the Red Cross. Armour & Co. were the successful bidders, getting the champion at \$2.10 per pound, and making a new world's record for beef on foot.

The grand champion Angus yearlings, in the carlot division, brought \$42.50 per hundred pounds and weighed 1090 pounds. This is nearly twice the former record price. The cattle were purchased by the Irwin Brothers for the Congress Hotel, of Chicago. T. A. Newton, of the Newton Packing Co., of Detroit, were strong bidders for the prize steers, his last bid being fortytwo cents per pound.

The other fat carlot exhibits sold at prices ranging from \$14.50 to \$20 per hundred pounds. Thirty-six loads of yearlings averaged \$18.22 per cwt., making a new record.

## The Horse Show.

In point of numbers the horse exhibits were near those shown in previous years. That in point of excellence the exhibits at this year's show were better than those ever seen in a single ring was the opinion of many veteran exhibitors and judges. The excellent quality of the young stuff shown is the final answer to pessimistic prophesies that with importations cut off, American breeders would not be able to keep up the standard of excellence in the draft breeds. This was equally true in all folks and Shires.

#### Belgians.

The Belgian classes were first in the ring on Monday morning. The judges were Eli Sprunger, of Michigan, Harry McNair, of Illinois, and Prof. W. H. Pew, of Iowa. In the classes for foals Jupiter's Model, shown by Charles Irclass, and Hazel, shown by J. C. Ritchie, of Iowa, won in the filly class. In the yearling filly class keen interest Paramount Lula, shown by C. G. Good, many prizes. of Iowa, finally won over two contestants owned by Karl Uumer, an Indiana Queen and Mattie. In the five-year-old two years old.

THE 1917 INTERNATINAL-A NA- class the Crouch entry, Suzette, was placed first, and the Irvine entry, Leontine, next.

In the Belgian stallion futurity class John Du Bois, shown by Frank P. Fox, of Indiana, was the winner. Second went to Clarion Dubalcon, a Lefebure entry, and third to a blue roan shown by C. G. Good. In the four-year-old class the show was small, but the winner, Irvinedale Rowdy, also won the breed championship. The aged class was a large one and of uniformly good quality, great interest attaching to the placing of the winner. First place went to Loeser Bros., of Indiana, on Baron. More than ordinary interest was attached to the judging of this and other Belgian classes, owing to the big string of Michigan horses represented. The Owosso Sugar Company had a grand entry which remained a contestant until the winners were placed. This concern's entries were also strong contenders in other Belgian classes and the fourth prize went to their entry in the five-year-old class for mares.

#### Percherons.

The Percheron classes brought equal enthusiasm from the crowd on Tuesday and succeeding days. Prof. Curtiss, of Iowa, Harry McNair, of Illinois, and Robert Graham, of Canada, were the judges. In the classes for foals first and second on stallion foal went to the Dunham entries, Launfall and Lancelot, both of which were by the noted sire Lycee. Third went to Elkhart, shown by Ernest Francis, an Indiana farmer. In the filly class another of Lycee's get of similar type won first. In the yearling filly class first prize went to Lgoceo, a daughter of the great sire Logas. In the strong two-year-old class a Crouch entry won first, and Dorothy B, a Bowman entry, was second. In the aged classes there was strong competition. Altogether the Percheron show was a good one, and illustrated the fact that American breeders are constantly becoming more self-dependent in maintaining a high standard of this breed in America.

#### Other Draft Breeds.

In the Clydesdale classes judged on Wednesday, visitors from the middle west took less interest, for the reason that most of the entries were from the east. All the classes were well filled; and many admirers of the breed studied them from the ringside.

Shires were judged on Thursday, the classes being smaller than those in the other breeds, but considerable quality was displayed. The exhibits in these breeds were not, however, so attractive to the Michigan contingent as those in the Belgian and Percheron classes, on account of the predominance of the former breeds in this state.

### The Breeding Classes.

The exhibits in the breeding classes of the breeds represented, including of cattle, sheep and hogs were quite as Belgians, Percherons, Clydesdales, Suf- attractive as those in the horse show; in fact, quality seems to have been the slogan of every exhibitor, and practically no unfinished stuff was to be seen in any class. This uniform excellence was an important factor in the attractiveness of the show as a whole. In the Angus classes the entries of Dwight Cutler, of Detroit, from his Woodcote Farm, attracted favorable vine, of Iowa, was first in the stallion attention and comment, and won a liberal proportion of prizes in the varione classes In the swine was manifested because the decisions made by Adams Bros., of Litchfield, in this class place the futurity winner. Mich., won much recognition and

ants owned by Karl Uumer, an Indiana farmer. The winner was sired by Farceur, the \$47,000 stallion recently purchased by Mr. Good, this being the highest figure ever paid for a draft stallion in America. In the three-year-old class Irvine also won first and second place on two Farceur fillies. In the four-year-old mare class Crouch & Son won in the first and second place on Queen and Mattie. In the five-year-old two years old.

Albert Strauss of Pike county, Iowa, was on the Chicago cattle market a short time ago with 21 head of prime year-ling steers and heifers of the Angus breed, which averaged in weight only 950 pounds and found a quick buyer at \$17 per 100 pounds. He raised and fed them, having weaned them last they were fed last year's corn, but October and fed them on oats, clover hay and shelled corn. On the start they were finished on corn that was two years old.

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Father of Victory March
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Invitation to the Waltz
Jolly Fellows Waltz
Loin du Bal
March Religioso
Medley of War Songs
Messenger Boy March
Sextet—Lucia di Lammermoor

CONCERTINA
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Catch Me If You Can, Dance
Merry Widow Waltz

CORNET
Bride of the Waves
Come Sing to Me
A Dream
Nightingale Song
The Rosary

FLUTE
Hear Me, Norma—Norma
Long, Long Ago
HARRY LAUDER
I Love a Lassie
Just a Wee Deoch and Doris
Roamin' in the Gloamin'
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She's My Daisy

MARIMBA BAND
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MEDLEYS
Hawaiian Hula Medley
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When it's Apple Blossom Time
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Trot
INSTRUMENTAL
QUARTETS
Dream of the Tyrolienne (Herd
Girl's Dream)
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Hearts and Flowers

OLD TIME SONGS
Carry Me Back to Old Virginny
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Rienzi Overture

PATRIOTIC

Battle Cry of Freedom

Star Spangled Banner

Where Do We Go From Here?

It's a Long Way to Berlin, but

We'll Get There

We're Going Over

Over There

Laddie Boy

Send Me Away With a Smile

Good-Bye Broadway, Hello

Francel

Francel
May Be Gone For a Long.
Long Time
U. S. Army Bugle Calls—No. 2
Good-Bye, Good Luck, God Bless
You Medley—Waltz
U. S. Army Bugle Calls—Part 1
PICCOLO
Nightingale

Nightingale
Through the Air
Will o' The Wisp—Polka
SACRED
Abids With Me
Beyond the Smiling and the Weeping
ing
Crossing the Bar
Dreams of Galilee
Glory Song
I Love to Tell the Story

Dreams of Galilee
Glory Song
I Love to Tell the Story
Jesus, Lover of My Soul
Lead Kindly Light
Nearer My God to Thee
One Sweetly Solemn Thought
Shall We Gather at the River?
Tell Mother I'll Be There
What a Friend We Have in Jes
Where is My Wandering Boy
Night?
VOCAL QUARTETS
Bridal Chorus—Lohengrin
Down on the Mississippi
Moonlight Bay
Little Cotton Dolly
In the Golden Afterwhile

In the Golden Afterwhile
Moonlight on the Lake
VOCAL DUETS
Dancing Down in Dixie Land
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Grandfather's Clock
Juanita (Old Spanish Melody)
Love's Melody
We and Mandy I see

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centrated, however, the business has keting. not been great.

stuffs. The rate is reasonable and deliveries prompt, but the volume here

tried to change all the levels of changed in form after leaving the pro- plans and proposals in spite of the fact his town to conform to the cor- ducer. When the original producer that it has been so limited in practice. rect trade, and to straighten out the has parted with his raw material, it apstreets that deflected from right an- pears on the grocers' shelves as but- of market reforms that have been most gles. Long established but diverse ter, cheese, soap, cured meats, etc. The effective in Europe has been largely grades and angles resisted him to the other fifteen per cent is susceptible of accomplished by devotion to direct end. Custom had so well established direct marketing, like vegetables, fruit, marketing, and to the adherence to the these conditions that the change could eggs, etc. These products just named well worn platitude of "supply and denot be made. In like manner there are are, however, not usually furnished the mand making the price." A recent those who chafe under the fact that season through by the same grower, market conference in Chicago presided goods on their way to market travel a for when the supply of one grower or over by a university president after community is consumed, the trade giving up four days of time to market The amount of direct marketing is seeks additional supplies in more re- subjects, solemnly resolved that they relatively small although much effort mote places. This is the opportunity recognized the immutable law of "suphas been made to increase it. The ex- of the carload handler. The success ply and demand." A convention that press companies at the time the par- of citrus fruit distribution has been was assembled to reform the somecels post was apparently going to cut and is because it can go to the con- thing that could not be changed, was into their business, established direct sumer in its original form and does not rather unique, if not puzzled in mind. marketing. If one wants to try an ex- have to be manufactured and will sup- The use of the phrase noted has been press company now, he can consign ply nearly the season through. Cali- used to obscure the fact that supply his produce with or without any direc- fornia has established no special supe- and demand are but two views of the tion or destination and there will be riority in other lines of distribution same thing. na charge for selling or return of the than the citrus fruits. But California money; just the transportation charg- has kept that success so well in the whose view shall be taken, in the mates. You can also order them to buy mind of the public that the unthinking ter of price. There is the same apparanything you may want in the city, assume all industry is possible of sim- ent fairness in leaving the matter to described as carefully as you can, and ilar operations. When one finds the supply and demand as there was in the no charge beyond that noted above for citrus fruits and also the tropical in a choice given to the Indian, as to wheththe service. The express companies general grocery stock, together with er he should take the buzzard or the have handled peaches, fish, pecans and the eighty-five per cent of manufacturkey. The Indian was shrewd other products to great advantage, tured goods, there is left a rather small enough to note that the white man alwhere the volume was reasonably con-volume of goods for direct local mar-

Chain Stores Make Good.

partment has done almost everything claims that, with their facilities they the price. can handle the whole line more eco-

has been disappointing. These condi- touch or clientage. This is the field of tions are explainable when one ana- the peddler, who is really an economic lyzes the situation. The carload unit factor in selling and delivering. The is the profitable one for industry where peddler gets an assortment; usually cago live stock market a short time a greater variety than it would be possible for any one producer to grow. He sible for any one producer to grow. He some an established tradesman, becomes an established tradesman, knowing his clientage and suiting his supply to their financial needs, tastes, the farms without any delay. Mr. Johnson who was in the Chigraph of the stock market a short time ago for the purpose of buying some nice feeding cattle weighing around 700 to 800 pounds, remarked that the knowing his clientage and suiting his supply to their financial needs, tastes, son said he was planning on wintering waste. With the local grocery, which

> ing the situation. It is one of the inexplicables that since eighty-five per ed more farmers to begin carrying hogs cent of the farmers' output must be and other live stock. At times recent-manufactured, like flour, meats, feeds, as much as 25 cents a bushel higher textiles, leather, soap, canned goods, than a year ago, while the spread in sugar, etc. ,that attention has been prices for corn has been the widest focused on the other fifteen per cent ever known. This arises the widest focused on the other fifteen per cent. The viewpoint of Mr. Hoover is most logical in that he devotes attention to the big portion and disregards the less

It is also noticable that the great aggregations of capital have devoted their attention to the lines which are manufactured from the farmer's raw material. Whatever may be the reform and savings that may be made in direct marketing it is the very minor deal of frost bitten corn will bring the portion of the agricultural output that the remedy or reform can be applied to. Limited information on the subject has

HERE is a story of a man who been manufactured, processed, or made direct marketing a feature of

The important question is, then, ways said buzzard to him. On the supply and demand theory—the seller has not seen clearly that it was the view-The chain stores have figured this point, or the interpretation, of supply The United States Post Office De. out and they seem to make good their and demand by the buyer that made

How Denmark broke away from this Then comes the direct personal be noted in the next article.

#### LIVE STOCK NEWS.

A survey of the stocks on hand in and racial peculiarities. He has ser-his stock on the soft corn and grass A survey of the stocks on hand in the average retail grocery store discloses that eighty-five per cent are not susceptible of direct marketing but had cash, keeps no books, and seems to have an added sense of gauging the have an added sense of gauging the has issued a statement of what it in have an added sense of gauging the have a statement of what it in have an added sense of gauging the have a statement of what it in have an added sense of gauging the have to defor the former Leynert L load to dispose of at the minimum of tends to do for the farmer, I expect

load to dispose of at the minimum of waste. With the local grocery, which must supply the manufactured goods, and we will say the direct marketing possibilities as a side line, and the keen, personal cheap service of the peddler, it is little wonder that direct impersonal marketing has made little headway.

Financies Recognize Present System.

The farmer in this respect, has followed in about the same way that the manufacturer has. For example, the canner sells his product to the jobber, and he to the wholesale merchant, and the latter to the retail grocer. The mail order houses have made less inroads on the grocery trade than in other lines. This fact is rather strong confirmation of the difficulty of changing the situation. It is one of the inexplicables that since eighty-five per darket to the call by raising more the farmers of Bureau county will respond to the farmers of Bureau county will respond to the farmers of Bureau county will respond to the call by raising more hogs."

"Whatever the government says goes with us fellows," said Charles Laugh-lin, of Berrien county, Mich., who appeared in the Chicago market recently for the purpose of purchasing some springers, which he planned on getting a calf crop from and marketing the dams in the following autumn. He remarked that corn in that district was seriously damaged by the frosts, and it has to be fed at once to live stock on the farms where grown. Mr. Laugh-lin added: "We are glad to help Uncle Sam, and when he asked for more meat, our farmers, despite the fact that feed is short, started to produce more cattle, hogs and sheep. We have answered the call, as every farmer should."

Fixing the minimum price of packing hogs at \$15.50 has been a powerful factor in advancing corn values in the markets of the country, as it has cause which the fellows," and the latter to government says goes with us fellows," and Charles Laugh-lin, of Berrien country, Mich., who appeared in the Chicago market recently for the purpose of purchasing some springers, which he plann

markets of the country, as it has causthat much of the crop of corn is ser iously damaged, with no end of soft corn and a serious scarcity of choice corn. Low grade corn has sold on the Chicago market as low as 50 cents a bushel, while high-grade corn has brought as high as \$2.25 on the same day. A vast quantity of new corn is unmarketable and has to be fed on the farms to stock, and large numbers of cattle and hogs have been turned into corn fields in Illinois, Indiana and Iowa. In Illinois and Indiana a great



# Six Minute Pudding

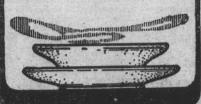
Here's a new one—a most delicious desert that can be made in a hurry.

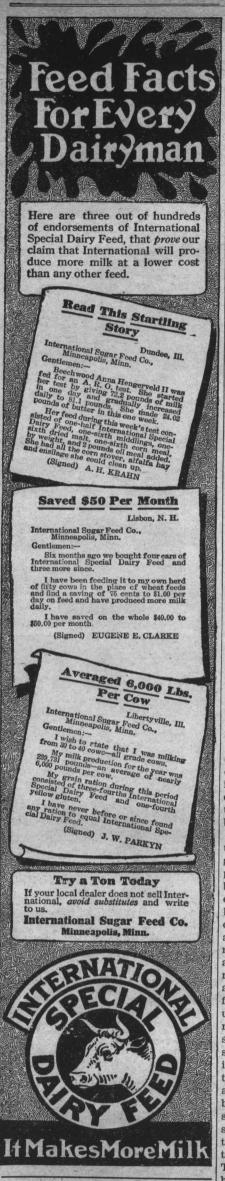
> To one and one-half cups of milk add one cup of

### Grape-Nuts

and one level tablespoonful of sugar, boil six minutes, cool and serve with milk or cream. Add raisins if desired.

Get a package of Grape-Nuts from your grocer and try this pleasing recipe.





Only \$2 Down

One Year to Pay!

BUTTER CHEESY AND STRONG.

I am having some trouble making butter. Can you give me some suggestions as to keeping cream from turning bitter and the butter tasting like cheese? I mean a trifle strong. I have made butter for about fifteen years, and was born on a farm, so it's not a new business to me, but try as I will I cannot make butter that is marketable right now. I have one cow, churn twice a week, get cream to the right temperature before churning, and especially clean about the pans, pails, etc. In fact, I do exactly as I have done before but with poor results.

Oceana Co.

A. M. B. I am having some trouble making

Cheesy flavor in butter may be due to the fact that the butter is not properly washed free of curd. If considerable curd is left between the granules, and is worked in with the salt, the flavor will be impaired. Bacteria thrive in this portion of the butter, and as the curd is broken down, a characteristic flavor of cheese becomes apparent.

Another cause of strong butter and of bitter cream may be in the feed. Where the butter is churned from the milk of one cow, this is more often noticeable. If the bitter flavor is apparent in the milk as soon as drawn, it is probably due to the feed of the cow. If, on the other hand, the flavor becomes noticeable some time after the milk has been drawn, it is likely due to a diseased condition of the cow's udder, and cannot be changed without drying up the cow. If account of these causes is taken, the remedy can undoubtedly be applied.

F. A. HAGADORN, Instructor in Dairy Mfrs., M. A. C.

#### A BALANCED RATION.

Will you kindly advise me what is necessary to add to feed to secure a balanced ration for milch cows? I have clover hay, oats and beets as principal feed. Have some cornstalks and oat straw. Washtenaw Co.

A ration composed of clover hay, oats, and with enough beets to furnish succulency, is a mighty hard ration to beat for results and at the present prices for all foods, I don't see how you are going to get a ration that will be any more economical.

There is no better roughage than clover hay. So far as nutriments are concerned, it is a balanced ration in itself, containing proteins and carbohydrates in just about the right proportion. There is nothing as a roughage better or cheaper.

No one has yet discovered any better grain ration for dairy cows than ground oats. Usually you can buy byproducts from other grains like wheat bran or gluten feed, brewers' grains, etc., so one can afford to sell oats and buy some of these foods and thus cheapen his ration, but this year oats are about the cheapest food on the market. I don't know of any food that a man can buy where he will get any more for his money today than oats, and when you come to getting results for dairy cows you can safely put them up against anything. They are worth more than their food analysis would seem to indicate. There is a certain something in oats that you don't find in any other food. It seems to have the effect of a tonic and stimulates an animal to do its best. Not only that but there is no danger of a cow getting so she doesn't like ground oats. They seem to taste better day after day and they will eat practically all you care to give them and they are safe to feed. There isn't any food unless it is wheat bran that you can feed with greater safety than you can ground oats.

Of course, you haven't corn silage but this lack is very well supplied by beets. Beets will take the place of corn silage in every respect. Usually we would recommend for a farmer to raise corn silage in place of beets because he can raise so many more tons to the acre that it makes it a cheaper food, but when it comes to getting results, ton for ton, beets will hold their







Jolie Topsie De Kol, H. F. 149723 Age 5-11-12 (City of Cleveland, Owner)

Semi-Official Year Test 29221.5 lbs., Milk 3.52% 1032.37 lbs. Fat

Royalton De Kol Violet, H. F. 86460 ge 10 Years (H. A. McQuillan, Owner)

Semi-Official Year Test 29959.6 lbs. Milk 3.46% 1036.45 lbs. Fat

own, and when it comes to the question of digestibility and palatability, there is no succulent food that is superior to beets, and so I think that J. D. H. has got for this year the foods right at hand that will give him the best results in quantity of milk and in cost of production.

He could feed one feed of cornstalks a day until they are gone and then one feed a day of oat straw. Such a roughage feed with clover hay and ground oats, ought to balance up his dairy ration very satisfactorily. He will get just as good results as he would with anything.

The cows may be forced to give a little more milk if you add gluten feed or cottonseed meal or oil meal, giving them extra protein. But with the ration you have these foods would furnish more protein than the animals really require and while you can get an increased yield of milk it would increase the cost of the ration.

COLON C. LILLIE.

# A RATION WITH CORNSTALKS.

In the Michigan Farmer two weeks ago you gave a ration which included soft corn. I have little or no corn, about six acres of cornstalks, lots of oats, some barley and hay. Two of my cows are mature grades which have produced from 1,200 to 1,400 pounds of milk up to last month. The test has been from 4 to 4.4. One is now fresh, the other will be about April 1. The others are fresh heifers. Can you recommend a bulletin or book on the subject of feeds and bran to make up a balanced ration?

Kent Co.

L. B.

While cornstalks do very well for a supplemental food in a ration they are not very good to be fed as the main roughage food. They contain too much crude fiber. In other words, there is such a large per cent of them that is indigestible, and yet, we want to feed cornstalks and get all the value out of them that we can, but to get best results they should only be fed as a supplemental food, making the main dependence on hay or corn silage for the roughage. Soft corn, stalks and all, would be a much better food than the cornstalks alone. With hay as the main dependence and then with cornstalks as a supplemental food you can get along very nicely for the roughage.

Plenty of oats and barley make a splendid grain ration. Under normal times, these foods are so high-priced compared with the by-products of other grains like wheat bran, gluten feed, brewers' grains, etc., that we can well afford to sell them and use the money to buy these by-products. Now, however, under these abnormal war conditions, oats and barley seem to be about as cheap foods as we can get and there is nothing better for cow food. If I had plenty of barley to go with oats I would grind them equal parts. If you have more oats than barley then you could mix two-thirds oats and one-third

Unless your hay is clover hay or alfalfa hay, these foods will hardly furnish a sufficient amount of protein and I would add a food rich in protein to the grain ration. You can use wheat bran, mixing your grain ration 300 lbs. of oats to 100 lbs. of barley and 100 lbs. of wheat bran, or you could substitute 100 lbs. of gluten feed and it would be a little better. Then if you will feed about one pound of grain per day for every three pounds of milk they give, I think you will get good results. If you have been feeding sparingly of grain it would be well to begin with a smaller ration and gradually increase it until the cows are accustomed to the larger portions.

COLON C. LILLIE.

Because you are the king of a nation it does not follow that you are to gather for yourself all the wealth of that nation.—Ruskin.

In this issue appear the first installments of "Inside the Lines" and "The Grizzly King." See pages 571 and 581.

# Year tests that Count

These wonderful semi-official records are only a few of a large number of genuine high production tests made under normal conditions with UNICORN DAIRY RATION used as the entire or largest part of the grain ration. They are in no sense forced or freak records as shown by the normal fat percent and the perfect health of these cows and all herds fed on Unicorn Dairy Ration.

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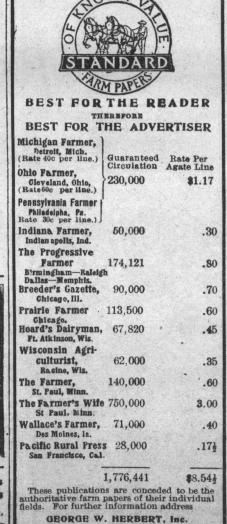


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# Magazine Section

LITERATURE POETRY HISTORY and INFORMATION



The FARM BOY and GIRL SCIENTIFIC and MECHANICAL

This Magazine Section forms a part of our paper every week.

Every article is written especially for it, and does not appear elsewhere

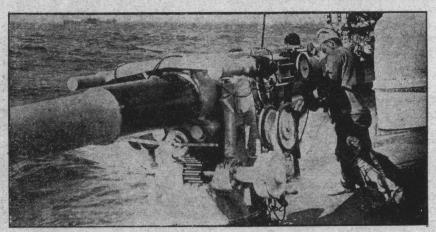
# WORLD EVENTS IN PICTURES





Remarkable Photograph of a French Raiding Party Making a Successful Attack on the German Lines in the Campaign Sector.

The Easy Marching Stride and the Free Play of the Shoulder Muscles of the American Soldiers Are Commented upon Wherever they go in France.



A Warm Welcome Awaits the U-Boat that dares to Poke its Periscope Above Distributing Mail Among American College Men in an Aviation Section Untre Surface within Range of this American Gun.

Output

Distributing Mail Among American College Men in an Aviation Section Undergoing Training "Somewhere in France."





Lone French Lancer on Guard to Detect Slightest Movement of Eenhy.



Making Steel Helmets in an American Manufacturing Plant for Our Soldier Brig.-Gen. Scriven Visits Italian Front Boys to Wear on the Fighting Lines in Europe.



An Italian Mobile Anti-aircraft Gun Displaces Larger Ordnance in Guarding Venice from Foe, Whether he Comes by air or Overland.



American Congressmen See Teacher Give Instructions to Blind Scholar who is Learning to Operate a Typewriter.

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2 GHOICE Holstein bulls nearly old enough for service. No. 1 born January 24, 1917, sire's dam, grand-dam and great grand-dam's semi-official records average 342 lbs. butter. Dam of calf 18 lbs. butter 7 days assenior 2yr. old, average per cent fat 4.3. No. 2 Sired by 23 lb. bull and out of a 14 lb. junior 2-yr.-old. O. L. BRODY, Owner, Port Huron, Mich. Ohas. Peters, Herdsman, Three Rivers, Mich.

## **Butter Fat Counts**

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Additional Stock Ads. on Page 586

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

igan Farmer, which the editor has boys. chosen to name "How the World's readers thereof, hopes to make plainer them just as well as if they had been especial study.

looked with something of awe, upon the man who stood behind the wicker in the village bank. I thought he must be some kind of a different "animal" than those who went to and fro in the time, and in our future articles we ordinary every-day business, and I hope in this series of articles to make plain to every boy and girl that this is not so, and that they will find him very human indeed and usually the most willing man whom they have ever met, to chat with them when he has the time, and give them any and all information of which he has knowledge. I want also to have them remember that while the banker no doubt knows a lot of things that they do not know, that they, on the other hand, also know a lot of things that he does not know, and that just as likely as not he may gain as much from the little visits as do you. This being so, I want our boys and girls to edge right up to him with their wants and needs just as readily as they would to the sweet little girl that sells you candy at the counter in the "Palace of Sweets."

It seems to me that the bank and banker of today is a far different outfit, than when I was a boy. Whether this is really true, or whether it is because I know him better and have some small knowledge of his "inside" life, his joys and his sorrows, his pleasures and his perplexities, I am not quite sure. What I do believe is, that there is no man more willing or more anxious to render service to his community, to be really useful to his patrons, to help them over the hard places, to glory over their successes or to regret their failures (sometimes he has I like cold dasy and frosty ways And heaps of drifted snow; I like to hear the sleighbells clear several reasons for regretting their failures) than is the banker of today, and especially is this true of the banker in the smaller places and country towns. He knows more about you than any other man in the community. He will give you honest advice in an emergency, he will warn you against yourself or your despoiler and you may well make him your friend. It has been my good fortune to become acquainted with many bankers in my business life and with this knowledge I repeat that no man in the community will be a more faithful friend or will do more for you than will the banker.

I wanted to spend the most of our time in the first article in making these observations because I have frequently found that many times there is a feeling with our Farmer boys and girls that they must hold a little aloof from the banker. Don't do it my friends, cultivate him instead, edge right up, rub elbows with him, see how much he knows about calves and colts and lambs and pigs and chickens, and no doubt you will find that you have aplenty "on him" along that line and Is such a lot of joy; that he will be glad to know some of the things you can tell him. Then With each true Winter Boy. no doubt you will find that you have when you have become acquainted he will also be glad in turn to tell you I do not quake when tempests make The forests bend and bow, No in-door play for me today that you do not know. The time is I'm happy hearted now.

past, if indeed it ever existed, when the farmer boy can afford to do business Surrender! and Ahoy! farmer boy can afford to do business Through storm or shine the world is in a helter skelter, unsystematic way and I am just as anxious that our girls

N this new department of the Mich- shall learn all of these things, as the

I am a little sensitive, in fact, Business is Transacted," the writer, along this line, for my boys were all who is not entirely a stranger to the girls, you know, and I expect I love to the young folks of the family some boys-and I think they know more of the things that look intricate and about business than some whole famdifficult to those who have never taken ilies of boys I have seen. Why? Bethe time or had the chance to give it cause they learned it, and I want the whole Michigan Farmer family of boys I well remember as a boy how I and girls to learn business methods in a business-like way and the best way in the world to learn it is to do the business you have to do in the right way, in the right place, at the right shall endeavor to tell you first something about what money is, what it is for, what a small part it really plays in the world's business, what confidence does in the business world, and how to build up and establish confidence for yourself in the little sphere in which you move, for no one moves in a very wide circle. The world is small and we never get very far away from ourselves.

> With this little declaration of our aims we will await eagerly the space to begin our real work and if from time to time we do not make entirely plain or clear to you, that which we undertake, both the writer and the Michigan Farmer wants you to write the department and ask any and every question you can, the answer to which will make it plainer. Now don't think your questions will seem simple, it is the simple things that look the hardest sometimes. Ask questions about the things you do not understand and in this way only we shall be able to be useful to you. We expect to visit with you each week from now on, and will look forward with great pleasure to our renewed acquaintance with Michigan farm boys and girls.

#### A WINTER BOY.

BY LALIA MITCHELL.

Ring out where'er I go.



mine For I'm a Winter Boy.

# Inside the Lin

By EARL DERR BIGGERS & ROBERT WELLES RITCHIE

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First Instalment of Our New War Serial

CHAPTER I. Jane Gerson, Buyer.

Two!"

The grinning customs guard lift- ders of the porter. ed his shoulders to his ears and spread out his palms. "Mais, mamselle-"

board that wabbly old boat at Dover shed. I am not presuming?" this morning, and I'm not going to budge from this wharf until I find the hurriedly. other one. Where did you learn your

his speech of explanation.

word three syllables—"mon ticket pour row flight from Calais to the capital. Paree!" She opened her patent-leath-

other trunk?"

the train sheds commenced. The girl a whit, the guard started to walk away.

son was on her feet, and her hands chose the seat beside her. shot out in an impulsive appeal. "Oh, attende au secours, if you'll only find sume-" that other trunk before the train-"

tervention as heaven-sent.

guard, you see, don't understand good tain Woodhouse, of the signal service." French. I just can't make him understand that one of my trunks is missing. And the train for Paris-"

Already the stranger was rattling in- "Signal service; that means cisive French at the guard. That offi- army?" cial bowed low, and, with hands and "His I lips, gave rapid explanation. The man Gerson." in the gray lounge suit turned to the

"Gerson-Jane Gerson, of New with the woman. York," she promptly supplied.

son. The customs guard says your I am on my way back there after a bit other trunk has already been exam- of a vacation at home-London, I mean ined, passed, and placed on the bag- of course." gage van. He was trying to tell you She stole a quick side glance at the that it would be necessary for you to face of her companion. A soldier's face permit a porter to take this trunk to it was, lean and school-hardened and the train before time for starting. With competent. Lines about the eyes and your permission-"

The stranger turned and halloed to a porter, who came running. Miss Ger-HAD two trunks-two, you ninny! son had the trunk locked and strapped in no time, and it was on the shoul-

"You have very little time, Miss Gerson. The train will be making a start "Don't you 'mais' me, sir! I had two directly. If I might—ah—pilot you trunks-deux troncs-when I got on through the station to the proper train

"You are very kind," she answered

They set off, the providential Samar-French, anyway? Can't you under- itan in the lead. Through the waitingstand when I speak your language?" room and on to a broad platform, al-The girl plumped herself down on most deserted, they went. A guard's top of the unhasped trunk and folded whistle shrilled. The stranger tucked her arms truculently. With a quizzical a helping hand under Jane Gerson's smile, the customs guard looked down arm to steady her in the sharp sprint into her brown eyes, smoldering dan- down a long aisle between tracks to gerously now, and began all over again where the Paris train stood. It began to move before they had reached its "Wagon-lit?" She caught a familiar mid-length. A guard threw open a carword. "Mais oui; that's where I want riage door, in they hopped, and with a to go-aboard your wagon-lit, for Paris. rattle of chains and banging of buffers Voila!"-the girl carefully gave the the Express du Nord was off on its ar-

The carriage, which was of the secer reticule, rummaged furiously there- ond class, was comfortably filled. Miss in, brought out a handkerchief, a tiny Gerson stumbled over the feet of a mirror, a packet of rice papers, and at puffy Fleming nearest the door, was last a folded and punched ticket. This launched into the lap of a comfortably she displayed with a triumphant upholstered widow on the opposite seat, richochetted back to jam an el-"Voila! Il dit 'Miss Jane Gerson'; bow into a French gentleman's spread that's me-moi-meme, I mean. And il newspaper, and finally was catapulted dit 'deux troncs;' now you can't go be- into a vacant space next to the window hind that, can you? Where is that on the carriage's far side. She giggled, tucked the skirts of her pearl-gray dus-A whistle shrilled back beyond the ter about her, righted her chic sailor swinging doors of the station. Folk in hat on her chestnut-brown head, and the customs shed began a hasty gather- patted a stray wisp of hair back into ing together of parcels and shawl place. Her meteor flight into and straps, and a general exodus toward through the carriage disturbed her not

on the trunk looked appealingly about As for the Samaritan, he stood unher; nothing but bustle and confusion; certainly in the narrow cross aisle, no Samaritan to turn aside and rescue swaying to the swing of the carriage a fair traveler fallen among customs and reconnoitering seating possibiliguards. Her eyes filled with trouble, ties. There was a place, a very narrow and for an instant her reliant mouth one, next to the fat Fleming; also there broke its line of determination; the was a vacant place next to Jane Gerlower lip quivered suspiciously. Even son. The Samaritan caught the girl's glance in his indecision, read in it "Oh, oh, please don't go!" Jane Ger- something frankly comradely, and

"Very good of you, I'm sure," he dear; maybe I forgot to tip you. Here, murmured. "I did not wish to pre-

"You're not," the girl assured, and "Pardon; but if I may be of any as- there was something so fresh, so ingenious, in the tone and the level Miss Gerson turned. A tallish, old- glance of her brown eyes that the Samyoung-looking man, in a gray lounge aritan felt all at once distinctly satissuit, stood heels together and bent fied with the cast of fortune that had stiffly in a bow. Nothing of the beau thrown him in the way of a distressed or the boulevardier about his face or traveler. He sat down with a lifting of manner. Miss Gerson accepted his in- the checkered Alpine hat he wore and a stiff little bow from the waist.

"Oh, thank you ever so much! The "If I may, Miss Gerson-I am Cap-

"Oh!" The girl let slip a little gasp -the meed of admiration the feminine heart always pays to shoulder straps.

"His Majesty's service; yes, Miss

"You are, of course, off duty?" she suggested, with the faintest possible "A little misunderstanding, Miss- tinge of regret at the absence of the stripes and buttons that spell "soldier"

"You might say so, Miss Gerson. "A little misunderstanding, Miss Ger- Egypt-the Nile country is my station.

mouth—the stamp of the sun and the



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aurn. My neighbor liked it so well
am not able to keep it at homearnew Christenses, Hancock,

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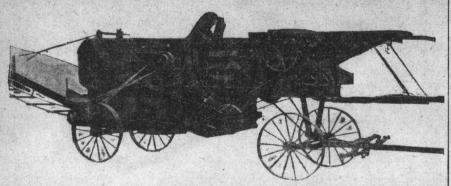
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youth, though giving in return the in- gloved right hand. dex of inflexible will and lust for the angles, marked Captain Wood-mean I'm afraid I won't make good." house as anything but a trifler or a flirt. She was satisfied that nothing of

made a satisfying, though covert, ap- pens to them." praisal of his traveling companion by means of a narrow mirror inset above the flying panorama of straw-thatched the baggage rack over the opposite houses and fields heavy with green seat. Trim and petite of figure, which grain. He seemed to be balancing his was just a shade under the average for words. He glanced at the passenger height and plumpness; a small head across the aisle, a wizened little man, set sturdily on a round smooth neck; asleep. In a lowered voice he began: face the very embodiment of indebrown eyes wide apart, its high brow under the parting waves of golden ties when the-ah-trouble comes." chestnut, broad humorous mouth, and tiny nose slightly nibbed upward: Miss tioning. Up-to-the-Minute New York, indeed! eys like strong young queens. The type was almost a whisper. appealed to him.

ing wore away speedily. The girl tactfully directed the channel of conversa- ed quietly. "Very serious." tion into lines familiar to Woodhouse. up stone billboards to last all time? here, this stirring up the animals." The questions came crisp and startling at the shrewd incisiveness of mirth. them. Rameses an advertiser and the He'd never looked on them in that Ferd-" light before.

excellent business person, now, really," the captain voiced his admiration.

department store, New York," she cards." flashed back at him. "I'm trying to convince him of just that very thing."

-ah-Pop Hildebrand?"

Worth-Paquin; you've heard of those go, willy-nilly." wonderful people, of course?"

girl's brown eyes.

price-very soon."

a secret elation. A man who didn't rows, pigeons circling over the straw know gowns couldn't be very intimate-

"And this Hildebrand, he sends you part of the world-alone?"

"Not in the least," the girl caught tryside. him up. "Not about the alone part, I first as a buyer for Hildebrand. And, and on your way back to America?" of course, if I should fall down—" "Not for a month; that's sure. Ma

tures something of freshness and her left wrist a smart blow with her

"There I go again-slang; 'vulgar achievement. His smooth lips were a American slang,' you call it. If I could bit thin, Jane Gerson thought, and the only rattle off the French as easily as out-shooting chin, almost squared at I do New Yorkese I'd be a wonder. I "Oh!"

"But why should I worry about compresumption or forwardness on the ing over alone?" Jane urged. "Lots of part of this hard-molded chap from American girls come over here alone Egypt would give her cause to regret with an American flag pinned to their her unconventional offer of friendship. shirt-waists and wearing a Baedecker Captain Woodhouse, in his turn, had for a wrist watch. Nothing ever hap-

Captain Woodhouse looked out on

"A woman alone-over here on the pendence and self-confidence, with its Continent at this time; why, I very much fear she will have great difficul-

"Trouble?" Jane's eyes were ques-

"I do not wish to be an alarmist, From the cocked red feather in her Miss Gerson," Captain Woodhouse conhat to the dainty spatted boots Jane tinued, hesitant. "Goodness knows we Gerson appeared in Woodhouse's eyes have had enough calamity shouters a perfect, virile, vividly alive American among the Unionists at home. But girl. He'd met her kind before; had have you considered what you would seen them browbeating bazaar mer- do-how you would get back to Americhants in Cairo and riding desert donk- ca in case of-war?" The last word

"War?" she echoed. "Why, you don't The first stiffness of informal meet- mean all this talk in the papers is-" "Is serious, yes," Woodhouse answer-

"Why, Captain Woodhouse, I thought What was Egypt like; who owned the you had war talk every summer over Ppramids, and why didn't the owners here just as our papers are filled each plant a park around them and charge spring with gossip about how Tesreau admittance? Didn't he think Rameses is going to jump to the Feds, or the and all those other old Pharoahs had Yanks are going to be sold. It's your the right idea in advertising—putting regular midsummer outdoor sport over

Woodhouse smiled, though his gray ling; Woodhouse found himself chuck- eyes were filled with something not

"I fear the animals are-stirred, as Pyramids stone hoardings to carry all you say, too far this time," he resumed. those old boys' fame through the ages! "The assassination of the Archduke

"Yes, I remember 1 did read some-"I say, Miss Gerson, you'd make an thing about that in the papers at home. But archdukes and kings have been killed before, and no war came of it. In "Just cable that at my expense to Mexico they murder a president before old Pop Hildebrand, of Hildebrand's he has a chance to send out 'At home'

"Europe is so different from Mexico," her companion continued, the lines "Really, now; a department shop! of his face deepening. "I am afraid What, may I ask, do you have to do for you over there in the states do not know the dangerous politics here; you "Oh, I'm his foreign buyer," Jane an- are so far away; you should thank God swered, with a conscious note of pride. for that. You are not in a land where "I'm over here to buy gowns for the one man-or two or three-may say, winter season, you see. Paul Poiret- 'We will now go to war,' and then you

The seriousness of the captain's "Can't say I have," the captain con- speech and the fear that he could not fessed, with a rueful smile into the keep from his eyes sobered the girl. She looked out on the sun-drenched "Then you've never bought a Worth plains of Pas de Clais, where two vilgown?" she challenged. "For if you lages, hedged fields, and squat farmhad you'd not forget the name-or the houses lay all in order, established, seeming for all time in the comfortable "Gowns-and things are not in my doze of security. The plodding manniline, Miss Gerson," he answered sim- kins in the fields, the slumberous oxen ply, and the girl caught herself feeling drawing the harrows amid the beet hutch by the tracks' side—all this ly acquainted with women. And- denied the possibility of war's corrosion.

"Don't you think everybody is sufferover here alone just to buy pretties for ing from a bad dream when they say New York's wonderful women?" the there's to be fighting?" she queried. captain was saying. "Aren't you just "Surely it is impossible that folks over a bit-ah-nervous to be over in this here would all consent to destroy this." She waved toward the peaceful coun-

"A bad dream, yes. But one that should say. Maybe I am fidgety and will end in a nightmare," he answered. sort of worried about making good on "Tell me, Miss Gerson, when will you the job. This is my first trip-my very be through with your work in Paris

"Not for a month; that's sure. May-

Woodhouse pondered. long way from Paris. ("A month. This is the tenth of July. Gerson, and good luck!" I am afraid—I say, Miss Gerson, please do not set me down for a meddlerthis short acquaintance, and all that; trundled off, a farewell flash of brown but may I not urge on you that you eyes rewarding him for the military to England at least in two weeks?" hurried to another station to take a ing into the girl's eyes with an earnest and distant Egypt, but for Berlin. intensity that startled her. "I can not tell you all I know, of course. I may not even know the truth, though I think I have a bit of it, right enough. But one of your sort-to be caught alone on this side of the water by the madness that is brewing! By George, Berlin-" she finished, with a lifting of I do not like to think of it!"

for your warning," Jane answered him, of refilling the man's glass and disand impulsively she put out her hand creetly withdrew. to his. "But, you see, I'll have to run the risk. I couldn't go scampering enough," the man assented, draining cat just because somebody starts a war the last fizzing residue in the stem. over here. I'm on trial. This is my "Only just show me you've got the first trip as buyer for Hildebrand, and right to hear, and the good fat bankit's a case of make or break with me. notes to pay; that's all." He propped little chin-"I'm an American citizen, face nearer hers. An owlish caution with me.'

about those skyscrapers of yours. Ev- by his sid.e For an instant-half the erybody back from the states has some-time of a breath—the flash of loathing hand information from one who knows bantering. them.'

grim shadow of war was pushed away self, and distrusts an old pal?" She from them, though hardly forgotten by laughed softly, and one slim hand toyeither. At the man's prompting, Jane ed with a heavy gold locket on her bosgave intimate pictures of life in the om. "Friend Billy Capper forgets old New World metropolis, touching with times and old faces-forgets even the shrewd insight the fads and shams of matter of the Lord Fisher letters-New York's denizens even as she exalted the achievements of their rest- Capper lapsed into brusk English as he less energy.

and delight in her racy nervous speech, up again-just because I ask you a fair in the dexterity of her idiom and pat- question-ask you to identify yourself ness of her characterizations. was a new sort of girl for him. Not ability to "make good"-expressive identifying myself?" Americanism, that-under any handimet one such.

coquetry; no eyebrow strategy or eyes, and the beginnings of tears gathshe took him to be, a gentleman, the but weakness remained. of sophistication on the girl's part.

and chimney pots that was Paris, each and you even having to buy the wine felt regret at parting.

admitted. "A dreary deadly 'place in on his hand. "But I'll show 'em, Louthe sun' for me. To have met you, isa! They can't kick me out of the Miss Gerson; it has been delightful, Brussels shop like a dog and not pay quite."

"I hope," the girl said, as Woodhouse handed her into a taxi, "I hope sels shop you want to sell to thestill in Egypt, away from the firing- tensely. line."

laughing. "I may be more happy when bound. I say my best wish for you is that

be I'll be longer if I like the place." when the war comes it will find you a long way from Paris. Good-by, Miss

Captain Woodhouse stood, heels together and hat in hand, while her taxi finish your work in Paris and get back correctness of his courtesy. Then he The captain had turned, and was look- train-not for a Mediterranean port

#### CHAPTER II.

From the Wilhelmstrasse.

T would be wiser to talk in German," the woman said. "In these times French or English speech in her shapely bare shoulders, sufficiently "I thank you, Captain Woodhouse, eloquent. The waiter speeded his task

"Oh, I'll talk in German quick back to New York like a scared pussy- his thin half bubble of glass down to War or no war, I've got to make good. his sharp chin on a hand that shook Anyway"-this with a toss of her round slightly, and pushed his lean flushed and nobody'll dare to start anything fought the wine fancies in his shifting lynx eyes under reddened lids; also "Right you are!" Woodhouse beam- there was admiration for the milked his admiration. "Now we'll talk white skin and ripe lips of the woman thing to say about those famous build- made the woman's eyes tigerish; but ings, and I'm fairly burning for first- at once they changed again to mild

"So? Friend Billy Capper, of Brus-Laughingly she acquiesced, and the sels, has a touch of the spy fever him-

"Chop it, Louisa!" The man called banged the stem of his wineglass on Woodhouse found secret amusement the damask. "No sense in raking that ere in your new job."

"We go no further, Billy Capper," the languid creature of studied sup- she returned, speaking swiftly in Gerpression and feeble enthusiasm he had, man; "not another word between us known, but a virile, vivid, sparkling unless you obey my rule, and talk this woman of a new land, whose impulses language. Why did you get that meswere as unhindered as her speech was sage through to me to meet you here heterodox. She was a woman who in the Cafe Riche tonight if you did worked for her living; that was a new not trust me? Why did you have me type, too. Unafraid, she threw herself carry your offer to-to headquarters into the competition of a man's world; and come here ready to talk business if insensibly she prided herself on her it was only to hum and haw about my

The tenseness of exaggerated concap. She was a woman with a "job;" centration on Capper's gaunt face be-Captain Woodhouse had never before gan slowly to dissolve. First the thin line of shaven lips flickered and be-Again, here was a woman who tried came weak at down-drawn corners; none of the stale arts and tricks of then the frown faded from about the maidenly simpering about Jane Ger- ered there. Shrewdness and the stamp son. Once sure Woodhouse was what of cunning sped entirely, and naught

girl had established a frank basis of "Louisa-Louisa, old pal; don't be comradeship that took no reckoning of hard on poor Billy Capper," he mumthe age-old conventions of sex allure bled. "I'm down, girl-away down and sex defense. The unconvention- again. Since they kicked me out at ality of their meeting weighed nothing Brussels I haven't had a shilling to with her. Equally there was not a hint bless myself with. Can't go back to England-you know that; the French So the afternoon sped, and when the won't have me, and here I am, my dinsun dropped over the maze of spires ner clothes my only stock in trade left, A tear of self-pity slipped down the "To Egypt, yes," Woodhouse ruefully hard drain of his cheek, and splashed for it! I know too much, I do!"

"And what you know about the Brusthat if that war comes it will find you Wilhelmstrasse?" the woman asked

"Yes, if the Wilhelmstrasse is will-"Not a fair thing to wish for a man ing to pay well for it," Capper answerin the service," Woodhouse answered, ed, his lost cunning returning in a

(Continued on page 577).

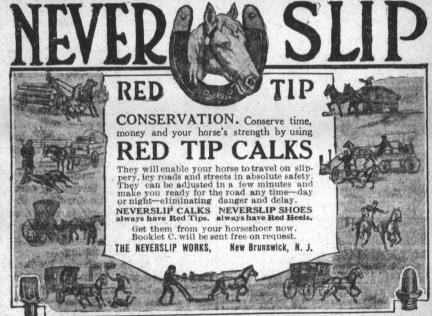
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# When Shall We Rest?

bottom of the right hand page:

always tired.'

men and women, there are in the world. For, although it's a pretty fair world as worlds go, it must be confessed that there are a great many people who are always tired ,not counting the ones who were born that way.

Among the farm women I wonder how large a per cent ever feel rested and ready for anything? Of course, not all are overworked, but as a class I believe that next to the society woman, who is tired out having a good time, the farm women are the hardest working women in the world. For, while those near to towns and main roads are using electricity more and more, and some are utilizing gas engines to help out in farm work, there yet remains enough to be done to keep more than one pair of hands busy. We only a minimum of sugar. don't have the spinning and weaving and butter-making that our grandmothers did. But on the other hand, neither do we have the help they did. Those worthy ladies, as a rule, had daughters to help them, and if they didn't they could hire a neighbor's girl for fifty cents a day. Mostly, we don't have the daughters. Or if we do they are off to college, or at town clerking in a store, or perhaps working in some other womalone.

while we were communing.

"I wouldn't be dominated by the ty- to harden. you to "let it go."

for the flesh pots of Egypt?

some of the advice is good. In many ner in place of bonbons.

OST of the things I studied in homes methods might be improved, it was beginning to work and should be school I've forgotten. But there But when all is said and done, with all brought up and tended to and the comis one sentence in our old improvements and aids to housekeep- fort that needs a new lining and the-"First Book of Physiology," that still ing, the average housekeeper in a coun- but why ennumerate? It tires me just sticks in my memory. I can almost try home is overworked. Every woman to think of it. I have a friend who says see the words away down towards the should have at least two hours a day that every morning she sees enough free to rest or play. How many get it? work ahead of her to take forty-eight "It is wrong to work so hard as to be If you do take it you are tormented hours to do it if she didn't stop even to They've been running over and over ing to be darned and the buttons to women of families are similarly placed. in my mind recently, and I can't help sew on, and the living-room curtain Will somebody please lead us back to but think what a lot of sinners, both that needs a stitch in the lace and the the simple life?

silver that is tarnished and the cupboard shelves that need wiping off and the can of fruit that looked as though with the thought of the stockings wait- eat, say nothing about sleep. Most DEBORAH.

# Hoover Sweets for Christmas By JULIA R. DAVIS

that scarce article.

are suitable for making sweets are sy- nel is well coated with sugar. rup, maple sugar, honey, popcorn, and Taffy.—Dissolve half a cup of sugar

to become firm.

in the majority of cases, to do her work low the kernel's being extracted with- ffin paper. out bruising the fruit. Grate one-fourth gently together. Place in a cool place place of cake.

ranny of things." "There is something Stuffed Figs.—Chop fine any kind of else in life besides housework." "Why nuts. Mix with half the quantity of don't you let it go?" Haven't you heard well washed and dried currants. Open those things until you were tired? Yet figs at one side, and pack with mixture, the babbling brooks who babble them rounding the fig to look like a pear. at you never offer to do the things you Close the opening, then at one end of "let go," nor offer any suggestions as the fig stick a clove to look like blosto how you're going to get time for som end, and at the other a stick of anything but housework. Except to tell cinnamon bark for the stem. Dust lightly with powdered sugar.

Suppose you do let it go. The ones Parisian Sweets.-Pick over and rewho've been loudest in urging you to move stems from one pound of figs and take things easy are also loudest in described from one pound of dates. Mix one cup of milk, one tablespoon each manding why things are not done. Sup- with one pound of English walnut of chopped onion and parsley, threepose you cut out baking cakes and pies meats, and force through a meat chop- fourths cup of grated cheese, one-half and doughnuts and cookies. Suppose per. Work, using the hands, on a board cup of mashed potato, pepper and salt you have dessert just once a week. dredged with confectioners' sugar, un- to taste. Cook rice in milk with chop-That lessens your work more than a til well blended. Roll to one-fourth of ped onion and parsley, then add mashlittle. But is your innovation greeted an inch thickness, using confectioners, ed potato, pepper and salt. Form into with loud huzzas? Or does the family sugar for dredging board and pin. Cut roll, brush with fat drippings, brown in demand in concert the reason for des- with a sharp knife in three-fourths inch oven. sertless days, and wail long and loudly squares. Roll each piece in confection-

At this time when we are urged and Sugared Popcorn.—Put two table-commanded to be economical in our spoons of butter in a sauce pan, and use of sugar, it is well to prepare when melted add two cups of brown Christmas sweets which can be made sugar, and one-half cup of water. Bring without any, or a very small amount of to the boiling point, and let boil for sixteen minutes. Pour over two quarts The fairly plentiful materials that of popped corn, and stir until every ker-

all kinds of nuts. Sugary dried fruits in four tablespoons of cider vinegar, will also help. Chocolate and cocoa mix with two cups of molasses, and are always safe to use. The following cook very slowly in a kettle large are some tested recipes which call for enough to prevent the mass from boiling over, until a little dropped in cold Stuffed Dates.—Stuffed dates are a water hardens, then stir in a heaping most wholesome sweet, and quickly teaspoon of butter, and a half teaspoon made, too. The dates must be first of baking soda dissolved in a tablepicked apart, washed in warm water spoon of hot water. Stir up, remove and dried in an old napkin. Remove from fire, and flavor with a teaspoon of the seed from each with a sharp knife, vanilla, or lemon extract; turn-into a slip a nut in its place, press together, greased pan, and when cool enough to and sift over with granulated sugar. handle pull until bright with floured or Leave standing awhile on oiled paper greased hands. When light enough, pull into narrow strips and cut off in Chocolate Dates.-Prepare dates as pieces the right size for a mouthful an's kitchen for six or seven dollars a described for stuffed dates. Slit each with a pair of greased scissors. Wrap week. So it is up to the farmer's wife, date lengthwise, just far enough to alleach of these in a little twist of para-

Fruit Cheese.—Stone a pound of And how is she to do all that is ex- pound of good chocolate, add an equal dates, add to them a pound of figs, half pected these days without being tired quantity of confectioners' sugar, and a pound of blanched almonds, half a out? We read reams on efficiency. Ex- two tablespoonfuls of boiling water. pound of pecans and half a pound of perts tell us to cut out all unnecessary Boil until a soft ball forms in cold wa- Brazillian nuts. Any nuts at hand may work. Writers of beautiful thoughts ter. Before removing from the fire, add be substituted for the ones named. Put urge us to drop everything and go out a few drops of vanilla extract. Place the mixture through a meat-chopper, and commune with nature. But the the pan inside a larger one, half filled and pack into tumblers. Keep in cold fact remains that there's a certain with boiling water, to keep the choco- place. This may be rolled into tiny amount of work to be done, and if we late fluid while the dates are being fill-balls and dipped in chocolate, cut into leave it and hie us forth to view a sun- ed. Take up a little of the mixture on blocks and used as a sweetmeat, or cut set, we find it waiting for us when we a teaspoon, open the date and pour it into thin slices and put between bread come back. No one has done our task neatly in. When filled, press the sides and butter, or crackers, to serve in the

#### CONSERVATION DAY SUGGES-TIONS.

Meatless Day.-Breakfast, creamed codfish; dinner, cheese roll; supper, corn oysters.

Wheatless Day.—Breakfast, apple corn bread without wheat; dinner, Old Virginia batter bread; supper, oat meal

Chese Roll.-One-half cup of rice,

Corn Oysters.-To two cups of corn, ers' sugar, and shake to remove super- add two eggs, one tablespoon melted There are a lot of free advice dis- fluous sugar. Place in layers in a tin butter, half a teaspoon of salt and peppensers going about telling women how box, putting paper between each layer. per to taste. Stir in enough flour to their work should be done. Possibly These confections may be used at din- shape in small cakes and fry either as fritters in hot deep fat, or in a little

butter or bacon drippings in the frying rup may be used instead of sugar. To

tered shallow pan and bake for thirty chocolate. minutes in hot oven, or until apples are ed, dried apricots.

five minutes.

Oatmeal Muffins. Stir one cup of rise until light, about an hour. Fill to harden. well-greased muffin pans two-thirds full. Let rise until light and bake for twenty-five minutes in moderately hot oven.

Crisp Corn Cake.—Sift two cups of yellow corn meal, one-half teaspoon of soda and one-half teaspoon of salt, then stir in one and one-half cups of sour milk. Add a beaten egg and beat batter for five minutes. Lastly, add

Corn Meal and Hominy Bread.—One cup of cooked hominy, one cup of milk, one tablespoon of melted butter, one gins to cool and thicken, then pour into half teaspoons of salt. Mix and bake thick. Let dry slowly, sprinkle with cup of corn meal, two eggs, one and a for thirty minutes in moderate oven. sugar and place in a box with waxed This serves six people.

kin, two cups of white syrup, half cup of lemon juice, two ounces of ginger root. Cut a small sweet pumpkin into narrow strips. Remove peel and seeds and cut into thin slices. Arrange the pumpkin in a preserving kettle in flat layers. Pour over it the syrup and lemon juice, cover, and let stand for it, and pour it hot over the pumpkin.

### LIBERTY CANDIES.

What about Christmas candies? Must

Before answering, let us face a few Italy, are now dependent on the American sugar bin and the bottom of the bin is in sight. According to an authoritative bulletin, "the present pecountries on which it draws."

Christmas candy? Not if you are clever then put in a layer of coarse gravel, in combining fruits and nuts. Such broken crockery or coal and the soil on sweets keep fresh a long time and are that. Most plants should be well wajust the kind for Christmas boxes. tered one or two times a week. The They are delicious for desserts, are roots coming out through the holes in wholesome and universally liked. One the flower pot usually indicates that cup of white sugar is enough for five the plant is becoming root bound and pounds of these liberty candies. that it should be put into a larger pot.

molasses, white cane syrup or corn sy- Agr. College.

one cup of syrup allow one tablespoon Mix two cups of corn meal, two ta- of vinegar. Boil together until syrup blespoons of sugar, three-fourths spoon hardens when dropped in cold water. of salt, on teaspoon of soda, one tea- Pour over freshly popped corn and spoon of cream of tartar, add one and mold into balls or fancy shapes for the two-thirds cups of milk and beat thor- Christmas tree. Little popcorn men oughly. Then add three tart apples, will please the children. Mark in the pared and sliced, pour into a well-but- features and outlines with melted

Crystallized Fruits.—Use your own soft. This is also nice made with cook- preserves. Peach, pear, apple, quince or watermelon rind will do. Drain from Old Virginia Batter Bread.—Stir one the fruit all syrup possible. Cut any pint of corn meal into one quart of size desired, sprinkle with sugar, and scalded milk, stir and cook to a mush. dry in the warmer or a very slow oven. Allow to cool a little, add one teaspoon It may be necessary to sprinkle the of salt, one teaspoon of sugar and the fruit again with sugar during the drybeaten yolk of one egg. Then fold in ing. When dry enough not to be at all the white, beaten stiff. Melt two table- sticky, sprinkle with sugar and pack in spoons of shortening in a baking pan, layers with wax paper between. This pour in the mixture and bake for forty- fruit may be used for dipping in bitter chocolate for bitter-sweets.

Bitter-sweets.—An attractive variety rolled oats and one tablespoon of fat of candies may be made by dipping into one cup of hot milk. Boil for one sweet fruits in bitter chocolate. Use minute, then let stand until lukewarm. for this purpose dates, citron, candied Soften one yeast cake in one-fourth orange peel or crystallized fruit. Melt cup of lukewarm water, add one table- unsweetened chocolate in a double boilspoon of sugar. Combine the two mix- er. Keep the chocolate just warm tures. Add one cup of rye flour and enough to prevent solidifying. With a one teaspoon of salt and beat thor- silver fork drop pieces of fruit in chocoughly. The batter should be as stiff olate. See that each piece is completeas for drop biscuits. Cover and set to 1y coated, then remove to waxed paper

> Stuffed Dates.-Use the best dates. Remove the stones. Fill with peanuts, walnuts, hickory nuts or any nuts available. Peanut butter makes a good filling that is different. Press dates in shape and roll in granulated sugar, chopped nuts, or a mixture of cocoa and powdered cinnamon.

Fruit Paste.—Put through the meat one tablespoon of hissing hot fat. Pour chopper enough cherry, peach or into hot greased pie plates in very thin quince preserves to make a half-pint sheets and bake in quick oven until with the juice. Heat fruit and add two tablespoons of gelatine, previously softened in a very little cold water. Stir well, and continue stirring until it beoiled dish to make a layer one inch paper between the layers. A mixture of dried apricots and dates may be Golden Chips.—Two pounds of pumpused for this paste. Wash the apricots and soak over night in enough water to cover. Pour off water, bring it to a boil, pour over apricots, and let stand until cool. Put the apricots and dates through meat chopper, and proceed with the proportions as given.

Chocolate Dainties.—Put through the twenty-four hours. Add the peel of one meat chopper one-half cup each of lemon shredded fine and the ginger dates, figs and nut meats. Add one taroot. Cook until the pumpkin is ten- blespoon of orange juice, a little grated der, then pour it into an earthen jar. orange peel, and one square of melted In a few days pour the syrup from the unsweetened chocolate. Mould into pumpkin. Boil to reduce and thicken balls and roll in chopped nuts or granulated sugar. This mixture may be packed in an oiled tin, put under a weight until firm, then cut in any shape desired.

Maple Creams.—Boil one cup maple candy be omitted from the Christmas sugar with one cup of water until it box for the boy at camp and the girl at forms a soft ball when dropped in cold school or from the little one's stock- water. Remove from the fire and stir rapidly until it becomes creamy. Form into balls the size of marbles and put business facts. Our allies, France and nut meats on either side. Lay on wax

Soil for flowers should contain a riod is one in which stocks are nearly well-rotted manure, and two-thirds soil good deal of organic matter. One-third depleted in the United States and the make a good mixture. Good drainage is also important. If a tin can is used Do these business facts mean no punch several holes in the bottom, Popcorn Candy.—For making pop- Plant lice can usually be washed off corn candy either honey, maple syrup, with soapsuds.-Agr. Ex. Dept., N. D.



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The Flour Question Settled

Pillsbury Flour Mills Company, Minneapolis, Minn.









# For the Needleworker

# A Suggestion for Farmers' Wives smaller than the measurements given. Three-fourths of a yard, of yard-wide

By GRACE N. WHITTAKER

little conservative about adopt- or lace. ing so-called fads, but blessed be fads when they take the form of time sometimes hears is, "My table is old tonne. Turn over a quarter-inch on and hard work savers.

keepers are using the pretty luncheon easily overcome for a good rubbing the lace, roll it tightly, wet the edge sets for nearly everything except the formal dinner. One excellent housewife recently said, "I have not ironed a tablecloth this year." When asked if she had not entertained, she replied, "Certainly I have, and many times, too. I think my table, with its pretty luncheon cloth or its crochet doily set has looked just as well as in the days when I dreaded the coming of a guest because it added at least one more tablecloth to a washing already large enough."

There are some housekeepers, and they do not all live on farms either, who think they can not use these small piece sets when alone, and who would be horrified if it were suggested that they be used for guests. And yet, why not? They certainly are pretty, easy to wash and iron, may be as inexpensive as desired, and last but not least, down with sandpaper (and this may be to be sewed to the cloth, and allow it they look well. If an accident happens pieces and not a two or three-yard ta-

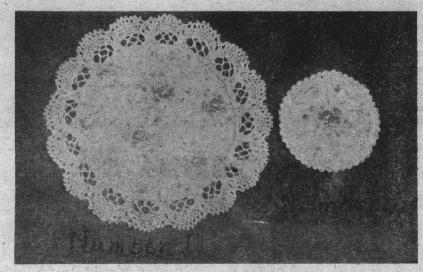
tablecloths on hand and do not feel tablecloth. that I can go to the extra expense."

HE average country woman is a tonnes and trimmed with narrow braid

used when guests are not present, but the doilies will be found useful for the cup and saucer.

Unless the trimming used is very narrow (a half-inch or less), the linen or cretonne centers will be somewhat material will be enough for the set unless a very narrow border is used.

Fig. 1.—Doily made of cretonne, edged with linen lace. To make, cut a cir-An objection that one sometimes cle of the desired size from the creand discolored. If I had a new table I the right side, baste on the lace to cov-Just now the city and village house- would try it." This difficulty is very er the raw edge and stitch. To prepare



it means washing two or three small rainy day), followed by a coat of wax full enough to fit the circle. or of one of the varnishes that are war-When this labor-saving plan was ter, and behold, a table as good as new. border. mentioned to one woman she said, "I'd Do you know how much easier it is to like to try it but I have a stock of wash and iron than the time-honored linen the required size, roll the edge

done by one of the men on the first to dry. When unrolled, it will be found

Fig. 2.—This doily is made of the ranted to withstand both heat and wa- same material, but with a very narrow

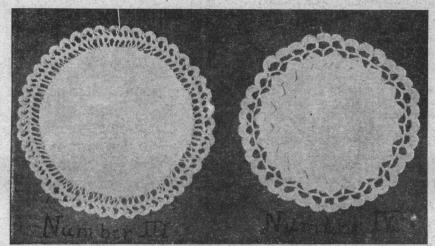
Fig. 3.—For this doily cut a circle of and over-hand the lace. Directions for A luncheon set usually consists of making lace: Material, No. 20 thread, a stiff wire hairpin. Make a loop in the end of the thread, insert the hook, wind the thread one and one-half times around the hairpin, winding toward the right. With the hook draw the thread through under the threads on the pin. This makes two loops on the hook. Pull the thread over the threads on the pin and through the loops on the hook. Turn the work and thread half way around. Make a double crochet in the preceding stitch. Repeat until you have the desired amount. After sewing this on the doily take some other color (blue was used for this), and make six doubles in the first loop, catch the next two together with a double, six doubles in the last loop. Repeat from \*

Fig. 4.—This doily has the edge turned on the right side, covered with halfinch rick-rack braid and stitched.

First Row.—One double in point, \* her as follows: First she cut the bor- each of plate, bread and butter, and five chain, one treble at bottom of curve, five chain, one double in next

Second Row.—Eight chain, fasten un-

Third Row.-One d, 6t, 1 d, in each



Another woman solved her problem for nineteen pieces, a centerpiece, and six ders from both sides of a cloth that tumbler doilies. One or two others are was two yards square, leaving a piece sometimes added for meat platters, etc. point \*. Repeat from \* to \*. of all-over center design that measured If the family is large it is well to have forty-six inches by two yards. From more of the small doilies so that a der five chain of preceding row. Rethis was cut a forty-six-inch square, change may be made in case of acci- peat. which when hemmed made a forty-five- dent without removing the entire set. inch cloth. The remainder, twentysix by forty-six inches was trimmed across the ends with linen lace and made a neat cover for a serving table. Sixty inches was next cut from each piece of border. These pieces were put together with linen insertion and the piece thus made trimmed with lace to match the insertion. The two remaining pieces, twelve by thirteen inches. edged with the same kind of lace and these with the runner made another change for the table. Either looks just as well as the tablecloth and is so much easier to iron.

Some of the doily sets with crochet edge are very easy to make. Nearly every copy of any woman's journal gives directions for making something of the kind. If these are too much lace and this work may all be done on the sewing machine. If one prefers a

A good size when finished is eighteen loop of preceding row.

work, the doilies may be trimmed with inches for the centerpiece, ten inches for place doilies, seven inches for the for this set, or both. bread and butter, and four inches for Fig. 5 shows the end of the runner dainty color to the white, they may be tumbler. In very many farm homes made from pieces of tablecloth which made from any of the pretty, light cre- the bread and butter plates are not is described above.

Colored braid or cotton may be used

#### INSIDE THE LINES.

(Continued from page 573).

your information is worth," his com- same brush there, Louisa. But, come, into Capper's eyes. "You can tell me of what you think my info's worth, and pay well, or-we part at once."

"how do I know you're what you say? "Absolutely stony broke!" You've flown high since you and I The Wilhemstrasse-most perfect spy hands on the table opened and shut machine in the world! How I'd like to themselves without his volition. Finbe in your shoes, Louisa!"

quick twist of slim fingers had one fingers. side of the case open, then laid the designated, and returned the locket to That's fair?"

strasse," he whispered in awe. "Gen- thin sheaf of notes she counted from uine, no doubt. Saw the same sort of her roll. "Here comes the wine-the mark once before in Rome. All right, wine I'm buying. We'll drink to my Now, listen, Louisa. What I'm going success at landing a job with—your to tell you about where Brussells people." stands in this-this business that's The woman inclined her rose. staff sit up." head toward Capper's. He, looking not of brocades, broadcloths and gleaming See, here it is all proper and cooled. shoulders, began in a monotone:

war starts, French artillerymen will be me to my good luck that's coming?" behind the guns at Namur. The Eng-

The Hungarian orchestra of forty like angry tides over the brilliant floor now while luck's with you." of the cafe. Still Capper talked on, and the woman called Louisa bent her jewattention.

"when the German army enters Brustween England and France for resist-If the Germans strike as swiftly as I think they will the foreign-office Johnthey'll forget these papers I'm telling will know they've paid for the truth commission to duty." when they paid Billy Capper."

Capper eagerly reached for his glass, per stammered. "I'll not fail you." and, finding it empty, signaled the waiter.

grandiloquently. "Can't have a lady Then he turned back to the world of the order. "You're going to slip me aren't you, Louisa, old pal?" Capper anxiously honed his cheeks with a hand His glass stood brimming; money narrowed in thought.

Capper, you'll get drunker than you are his own once more. now, and how do I know you won't run to the first English secret-service man time, and the chorus on the stage of you meet and blab?"

this way-take all the info I've got and the final line of a Germanized then throw me over like a dog!" Cold song, the cymbals clanged "Zam-m-m!" scorn was in her glance.

you're not known, or even in Egypt. "Henry Sherman, do you think Kitty you're a sly little weasel-when you're positively indecent!" sober. Perhaps-"

Wilhelmstrasse, Louisa!" Capper was of the one where Woodhouse was sitbabbling in an agony of eagerness. ting.

"You know my work. You can vouch for me, and you needn't mention that business of the Lord Fisher letters; "I am authorized to judge how much you were tarred pretty much with the panion declared, leveling a cold glance be a good sport; pay me at least half what you know, and depend on me to I'll take the rest out in salary checks, y well, or—we part at once." if you get me that job. I'm broke, "But, Louisa"—again the whine— Louisa!" His voice cracked in a sob.

She sat toying with the stem of her worked together in the Brussels shop. wineglass while Capper's clasped ally she made a swift move of one She detached the heavy gold locket hand to her bodice, withdrew it with a from the chain on her bosom, with a bundle of notes crinkling between the

"Three hundred marks now, Billy locket before him, pointing to a place Capper," she said. The man echoed on the bevel of the case. Capper swept the words lovingly. "Three hundred up the trinket, looked searchingly for now, and my promise to try to get a an instant at the spot the woman had number for you with my people.

"Fair as can be, Louisa?" He stretch-Your number in the Wilhelm- ed out clawlike fingers to receive the

"For me no more tonight," the wombrewing will make the German general an answered. "My cape, please." She

"But, I say!" Capper protested. "Just not at her but out over the rich gleam one more bottle-the bottle I'm buying. Marks the end of my bad luck, so it "When the war comes-the day the does. You won't refuse to drink with

"Your good luck is likely to stop short with that bottle, Billy Capper,' she said, her lips parting in a smile strings swept into a wild gipsy chant. half scornful. "You know how wine Dissonances, fierce and barbaric, swept has played you before. Better stop

"Hanged if I do!" he answered stubbornly. "After these months of hand el-starred head to listen. Her face, the to mouth and begging for a nasty pint face of a fine animal, was set in rapt of ale in a common pub-leave good wine when it's right under my nose? "You mark my words," he finished, Not me!" Still protesting against her refusal to drink with him the wine he sels proof of what I'm telling you will would pay for himself-the man made be there. Yes, in a pigeonhole of the that a point of injured honor-Capper foreign-office safe those joint plans be- grudgingly helped place the cape of web lace over his companion's white ing invasion from the eastern frontier. shoulders, and accompanied her to her

"If you're here this time tomorrow nies will be so flustered in moving out night-and sober," were here farewell words, "I may bring you your number you about. Then your Wilhelmstrasse in the-you understand; that and your

"God bless you, Louisa, girl!" Cap-

He watched the taxi trundle down the brilliant mirror of Unter den Lin-"I'l buy this one, Louisa," he said den, a sardonic smile twisting his lips. buying me wine all night." He gave light and perfume and wine—the world from which he had been barred these some bank-notes tonight-right now, many months and for which the starved body of him had cried out in agony. that trembled. The woman's eyes were crinkled in his pocket; there were eyes for him and fair white shoulders. Billy "If I give you anything tonight, Billy Capper, discredited spy, had come to

The orchestra was booming a ragthe Winter Garden came plunging to "Louisa! Louisa! Don't say that!" the footlights, all in line, their black Great fear and great yearning sat in legs kicking out from the skirts like Capper's filmed eyes. "You know I'm thrusting spindles in some marvelous honest, Louisa! You wouldn't milk me engine of stagecraft. They screeched and folk about the clustered tables "Maybe I might manage to get you a pattered applause. Captain Woodhouse, position-with the Wilhelmstrasse." at a table by himself, pulled a wafer of She named the great secret-service a watch from his waistcoat pocket, office under her breath. "You can't go glanced at its face and looked back at back to England, to be sure; but you the rococo entrance arches, through might be useful in the Balkans, where which the late-comers were streaming.

You have your good points, Capper; ought to see this sort of thing? It's

The high-pitched nasal complaint "Yes, yes; get me a job with the came from a table a little to the right (Continued next week).

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# For the Needleworker

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By GRACE N. WHITTAKER

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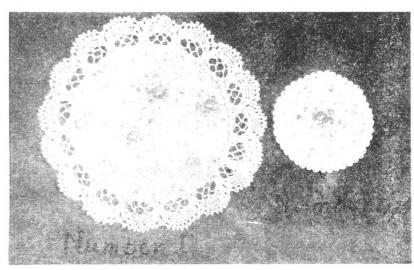
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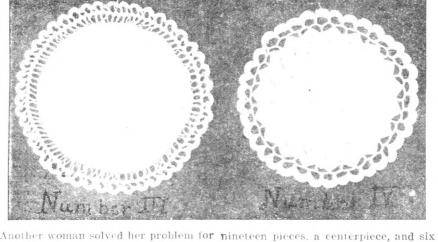
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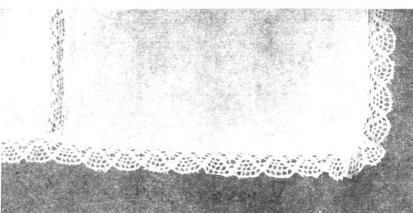
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you're not known, or even in Egypt. "Henry Sherman, do you think Kitty You have your good points, Capper; ought to see this sort of thing? It's you're a sly little weasel-when you're positively indecent!" sober. Perhaps-"

Wilhelmstrasse, Louisa!" Capper was of the one where Woodhouse was sitbabbling in an agony of eagerness, ting.

"You know my work. You can vouch ! for me, and you needn't mention that business of the Lord Fisher letters; "I am authorized to judge how much you were tarred pretty much with the your information is worth," his com- same brush there, Louisa. But, come, panion declared, leveling a cold glance be a good sport; pay me at least half into Capper's eyes. "You can tell me of what you think my info's worth, and what you know, and depend on me to I'll take the rest out in salary checks, ay well, or—we part at once." if you get me that job. I'm broke, "Rut, Louisa"—again the whine— Louisa!" His voice cracked in a sob.

She sat toying with the stem of her worked together in the Brussels shop, wineglass while Capper's clasped The Wilhemstrasse-most perfect spy hands on the table opened and shut machine in the world! How I'd like to themselves without his volition. Finally she made a swift move of one She detached the heavy gold locket hand to her bodice, withdrew it with a from the chain on her bosom, with a bundle of notes crinkling between the

"Three hundred marks now, Billy locket before him, pointing to a place Capper," she said. The man echoed on the bevel of the case. Capper swept the words lovingly. "Three hundred up the trinket, looked searchingly for now, and my promise to try to get a an instant at the spot the woman had number for you with my people.

"Fair as can ba, Louisa?" He stretch-"Your number in the Wilhelm- ed out clawlike fingers to receive the strasse," he whispered in awe. "Gen- thin sheaf of notes she counted from uine, no doubt. Saw the same sort of her roll. "Here comes the wine-the mark once before in Rome. All right, wine I'm buying. We'll drink to my

"For me no more tonight," the wombrewing will make the German general an answered. "My cape, please." She

"But, I say!" Capper protested. "Just Marks the end of my bad luck, so it "When the war comes—the day the does. You won't refuse to drink with

"Your good luck is likely to stop short with that bottle, Billy Capper, The Hungarian orchestra of forty she said, her lips parting in a smile strings swept into a wild gipsy chant, half scornful. "You know how wine Dissonances, fierce and barbaric, swept has played you before. Better stop

"Hanged if I do!" he answered stubthe woman called Louisa bent her jew- bornly. "After these months of hand el-starred head to listen. Her face, the to mouth and begging for a nasty pint face of a fine animal, was set in rapt of ale in a common pub-leave good wine when it's right under my nose; "You mark my words," he finished, Not me!" Still protesting against her "when the German army enters Brus- refusal to drink with him the wine he sels proof of what I'm telling you will would pay for himself-the man made be there. Yes, in a pigeonhole of the that a point of injured honor-Capper toreign-office safe those joint plans be- grudgingly helped place the cape of tween England and France for resist- web lace over his companion's white ing invasion from the eastern frontier, shoulders, and accompanied her to her

"If you're here this time tomorrow vies will be so flustered in moving out night—and sober," were here farewell they'll forget these papers I'm telling words, "I may bring you your number you about. Then your Wilhelmstrasse in the-you understand; that and your

"God bless you, Louisa, girl!" Cap-

He watched the 'axi trundle down the brilliant mirror of Unter den Lin-"II buy this one, Louisa," he said den, a sardonic smile twisting his lips grandiloquently. "Can't have a lady Then he turned back to the world of buying me wine all night." He gave light and perfume and wine—the world for him and fair white shoulders. Billy "If I give you anything tonight, Billy Capper, discredited spy, had come to

to the first English secret-service man time, and the chorus on the stage of the Winter Garden came plunging to "Louisa! Louisa! Don't say that!" the footlights, all in line, their black Great fear and great yearning sat in legs kicking out from the skirts like Capper's filmed eyes. "You know I'm thrusting spindles in some marvelous honest, Louisa! You wouldn't milk me engine of stagecraft. They screeched this way-take all the info I've got and the final line of a Germanized coon then throw me over like a dog!" Cold song, the cymbals clanged "Zam-m-m!" and folk about the clustered tables "Maybe I might manage to get you a pattered applause. Captain Woodhouse position-with the Wilhelmstrasse." at a table by himself, pulled a wafer of She named the great secret-service a watch from his waistcoat pocket, office under her breath. "You can't go glanced at its face and looked back at back to England, to be sure; but you the rococo entrance arches, through might be useful in the Balkans, where which the late-comers were streaming.

The high-pitched nasal complaint "Yes, yes; get me a job with the came from a table a little to the right (Continued next week).

# Grafonola and Columbia Records



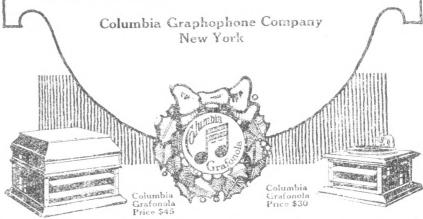
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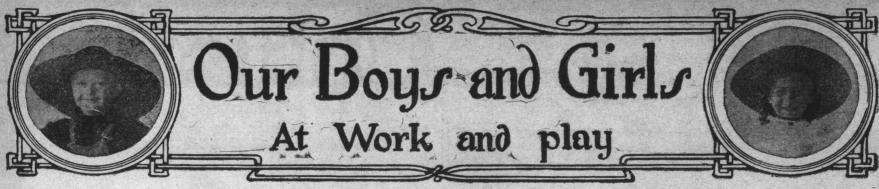
# Something for the Boys and Girls

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Write us and we will tell you about our Christmas Money subscrip-

THE MICHIGAN FARMER.

Detroit, Mich.



# unior Farmers Make Splendid Showin

, and girls Upper Peninsula Potato Show at Crystal Falls, Iron county, November 15-16, was the best of its kind ever held in Michigan.

Last spring an army of 304 youths culture and upon organization were cized by the man in charge. formed into thirty-seven potato clubs ods of potato culture.

ership, and in this case it was given resulted in a total attendance of about potato culture.

By R. N. KEBLER
District Club Leader of Upper Pennisula given score cards and practiced judg- Raymond Brusseau, of Iron county and ing under the supervision of a potato Peter Raffin, of Dickinson county, had

in that many agricultural districts. The was the Boys' and Girls' Upper Peninorganizations not only enabled them to sula Potato Show at Crystal Falls. All uphold the flag of the nation by aiding members of clubs who had received in food production, but also afforded seventy per cent on quality at the these future farmers an opportunity of county round-up were allowed to exbeing educated in the scientific meth- hibit at this show, also all who had received prizes on any of the four-point No army is competent without lead- basis were encouraged to attend. This

volunteered their services to potato expert. These cards were later critiscore cards which tallied almost iden- Millar, Manistique, Potato fob; Clifford tically with those of Mr. Waid. This Barton, Marquette county, Republic, The culmination of the year's work shows the results of the training received at the local and county shows. Several others ran very close to this record, most of them being Iron county boys. This was probably due to the County Agent, was the first agent established in the upper peninsula and has devoted a great deal of his time to at the College during Farmers' Week.

The following prizes were awarded by the Upper Peninsula Development

For the Best Story: Vernon Lindroth, Schoolcraft county, Maple Grove, potato fob; Harold Helseus, Ontonagon county, Trout Creek, Gilbert's book on "The Potato;" Arnold Wickman, Iron county, Polatka, \$1.00 bank account.

The reading of these stories proved conclusively that the authors had their subject well in hand.

For the Best Yield: Wallace Krieger, 572 bushels, Marquette county- Skandia, potato fob; Clifford Felt, 504 bushels, Marquette county, National Mine, Gilbert's book on "The Potato;" Garland Wolff, 500 bushels, Schoolcraft county, Cooks, \$1.00 bank account.

When Wallace Krieger was announced as the Champion Potato Grower of shouts and roars of applause. One surely conclude that he deserves all came in with a very close second and is well worthy of mention, as is also

For the Largest Profit: Clifford Felt, \$148.40, Marquette county, National bert's book on "The Potato;" Garland \$98.60, Schoolcraft county,

Krieger, and consequently won over the latter on profit. Clifford hill-selected a large number of bushels which assisted in increasing his net profits.

For the Highest Quality: Willard Gilbert's book on "The Potato;" Edmund Ehli, Marquette county, Arnold, \$1.00 bank account.

C. W. Waid considered the quality of these potatoes, as well as several of fact that R. G. Hoopingarner, Iron the other exhibits, so excellent that he packed them up and sent them to East Lansing where they will be exhibited

> County-Four-point Basis: Marquette, \$10, to be used as county agent and club members see fit; Schoolcraft, \$7.00, to be used as county agent and club members see fit; Dickinson, \$5.00, to be used as county agent and club members see fit.

Boys-Four-point Basis: Clifford Felt, \$94.25, free trip to Lansing and Michigan Agricultural College; lace Krieger, \$88.15, grade calf; Garland Wolff, \$87.50, pen of four hens and one cockerel.

Judges: Raymond Brusseau, Iron county, Amasa, potato fob; Peter Raffin, Iron county, Iron Mountain, potato fob.

Of the army of 304 members, 165 really "went over the top," that is, they fully completed the project, this being fifty-four per cent. The six coun-Michigan, men took the lad by the ties represented grew 36.89 acres with arms and lifted him to the stage midst a yield of 6,314.5 bushels, a value of \$6,323.16 and a profit of \$3,901.90. This makes an average per acre of 168.5 bushels, value \$171.40, profit \$105.77 at a cost of \$65.63. This we admit was "doing their bit."

The above data was compiled by tato culture. A social atmosphere was In the evening a banquet was served Garland Wolff who ran almost neck charging fifty cents per bushel for the culls, \$1.00 per bushel for market potatoes, and \$1.50 per bushel for hill selected. The remaining forty-six per cent who did not fully complete their projects, grew potatoes, but data on the same could not be collected.

> One of the things that made this show stand out as an educational fea-Note that Clifford Felt grew his po-ture was the cooperation of the Iron



The Boys After a Profitable Days' Work.

by a staff of local leaders, school com- 300, which includes teachers from Iron selection, marketing, and in general po- work.

were also brought enternri to this meeting. Each one in attendance was scored on the four-point bas- eral of the boys were called upon for is, that is on yield, profit, story and five-minute talks on how they grew quality of exhibit, and first, second and their potatoes, men who had made a third places were awarded. This was business of growing potatoes listened the preliminary step to the county with a great deal of interest. One of

to make a better exhibit at the round- thought of." up. Here the general routine of inprevious show, with the added features and in tallying up the scores, a com-of a banquet, outside speakers, yells, parison was made with those of C. W.

missioners and extension workers. The county and about thirty guests from duties of these leaders were to arrange without Iron county, 235 exhibits being taking second note of his yield would and be present at club meetings at var- made. The guests from without the ious times of the year to give instruc- county were entertained during their the credit given him. Clifford Felt tion in spraying, hill selection, show stay by city people interested in the

evidenced at these meetings by the by the domestic science teacher with and neck with him. parliamentary rules which were ac- girl club members as assistants. This knowledged, as well as by the games, was under the auspices of the Business Men's Association of Crystal Falls. Mine, Potato fob; Wallace Krieger, After harvest time, according to the Much enthusiasm was expressed by the \$127.27, Marquette county, Scandia, Gilclub rules, it was necessary for these yells given, a young spud grower from soldiers of the potato industry to ex- Dickerson county proving himself very Wolff, hibit and advertise the fruits of their apt as a yell master, while a young Cooks, \$1.00 bank account. labor. Consequently, the leadership lady from Iron county knew just how staff arranged for the thirty-seven local to get the crowd to operate their vocal shows, to be followed later on by the cords in unison and harmony. The county round-ups. At the local shows spirit those youngsters put into the which were held in the rural schools, banquet program would have put any each member brought an exhibit of ten college function to shame. The speakpotatoes of his own selection. These ers of the evening were Professor. J. exhibits were judged by the county H. Kaye of the Northern State Normal, agents, who also taught the members Marquette; E. C. Lindemann, State the art of judging. Stories on how they Club Leader, East Lansing, and G. E. grew their potatoes, together with a Bishop, of Alpha. These men greatly report showing the yield, cost of pro- encouraged the boys and girls in their

During one of the sessions when sevthem said, "I thought I knew the po-From the experience derived from tato game, but those boys have awakthe local show, the members were able ened me to possibilities I had never

At this meeting also the boys scored struction was about the same as at the exhibits, this time without assistance, songs and games. The members were Waid, Potato Expert, East Lansing.



Members of Dafter Potato Club Studying Potato Diseases in the Field.

school commissioner. And it was inti- rally for our country, and even though mated that hereafter the Iron County one cannot be in the trenches, by aid-Girls' Potato Show would be one, thus of the soil, one plays a most important showing the close relationship between and necessary part. Thus it is hoped club work and the rural school.

would do what these 165 have done. will fight the foe.

county teachers and their fine spirited This is indeed a fit and proper time to Teachers' Institute and the Boys' and ing in the productiveness of the things that when the "Spring Drive" is on Think what it would mean to the na- there will be a wonderful response by tion if every one of our American lads our young soldiers who, with the hoe,



# Boys' and Girls' Club Notes

Conducted by E. C. Lindemann



Save Seed Corn.

have excellent corn on this acre. If it ed as a regular girls' club. is matured or partially matured, it their corn may have samples analyzed business-like basis. by writing to C. A. Spaulding, East Lansing, Michigan.

Red Cross Work for Girls.

hundred comfort bags have already assistant state club leader for girls; been completed and five hundred hos- R. N. Kebler, district club leader for pital bags. The members of the girls' the upper peninsula; A. G. Kettunen, Unit in France. They are doing their northeastern Michigan. work under the direction of the Wombe a much larger number of girls en- season. gaged in it before the winter is over.

Mrs. Toots, has already completed one ing a county club leader on a twelve Christmas stockings and one hundred been in charge of the work in Saginaw trench candles.

Some of the girls are now beginning lected for the position. their work for the Belgium and French Baby Relief. The children in these boys' and girls' club members will be countries need: Bonnets, jackets, held at Marshall on December 28. The flannel.

Iona Lee, aged thirteen, has just won work in Lake county. There are twelve club members will be held at Grand members in the club which she repre- Rapids on December 15. Barry county sents and their club keeps up regular round-up will be held on December 8, meetings throughout the year. They Mecosta county on December 7. are planning to do gardening and canning work next season. At the club exhibit the members of the club gave igan this year. a dinner to their parents.

who was last year's state champion for of Michigan, canning clubs, has a record of this year of five hundred and twenty-seven quarts. The champion has not been decided for the state.

Six Normal girls of Shiawassee coun-All corn club members should do ty, under the supervision of Ellen Rich, their very best to save and cure as Principal, have completed one hundred much seed corn as they can possibly and fifty trench candles and eight reach. There will be a great scarcity Christmas stockings as a part of their of seed corn next year and many boys Red Cross work. The class is organiz-

The high school girls at Zeeland and should be saved for seed. Boys who Coopersville are undertaking the hot wish to know the moisture content of school lunch plan on an organized and

In order to indicate the progress of boys' and girls' club work in Michigan, the following list of state leaders is Over one thousand girls in Michigan leader; C. A. Spaulding, assistant state who are members of the garment mak- given: E. C. Lindemann, state club ing clubs are now engaged in produc- club leader; Anna B. Cowles, state club ing articles for the Red Cross. Three leader for girls; Barbara Van Heulen, clubs of Michigan are going to furnish emergency state club leader; George the equipment for the Shirley Hospital D. Gilbert, emergency club leader for

Kent county has employed G. O. en's Patriotic League for Service of Stewart, a recent graduate of the Detroit. The girls are making: Trench Michigan Agricultural College, to act candles, joke books, Christmas stock- as county club leader on a permanent ings, comfort bags and hospital bags. twelve months' basis. Mr. Stewart has Great interest has been aroused over been in care of the garden club work this work and there will undoubtedly at Grosse Pointe during the past

Saginaw county has appropriated A girls' garment making club in one thousand dollars from the board of Kent county, under the supervision of supervisors for the purpose of employhospital bags, thirty-five months' basis. C. P. Pressley, who has county the past season has been se-

The Calhoun county round-up for booties, and other articles made of Hillsdale county round-up for boys' and girls' club members will be held at Hillsdale on December 14. The Kent championship for canning club county round-up for boys' and girls'

There were more than 25,000 members of boys' and girls' clubs in Mich-

Boys' and girls' clubs are now or-Evelynn Pepper, of Osceola county, ganized in fty-five counties of the state

Every boy and girl should turn to page 570 and read "How the World's Business is Transacted," the first of Mr. Tyler's series of articles.

The Morning Practice Hour.

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Freedom forever from the hard work of pumping and carrying water—can you imagine a finer present for your wife?

Pressure Water Systems

give you a constant, never-failing water supply at the turn of a faucet.

The pump may be operated by an electric motor, gasoline engine or by hand. A few minutes pumping every morning puts a pressure on the Leader Tank that lasts all day. And for watering stock-just think of the work and time you will save.



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In 1914

would buy



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Ferti-

Today will buy 1/3 Bushel Corn

In terms of farm products, fertilizers cost less today than in 1914. Fertilizers paid you then-they will pay you better now.

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NOW. Send for literature to Department 9

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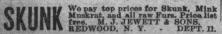
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# Bumper the White Rabbit By GEORGE ETHELBERT WALSH

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### Bumper Meets the Sewer Rat

drain-pipe from an ordinary hole pect him to know much of the things of his adventure. that ordinary wild rabbits learn by sprout?

house he was in now. It took some was all so strange to him. time for his brain to recall the events of the previous night. Then he sat up the small hole. and smiled.

have had a long, cold wait outside for mouth of the drain-pipe. me. I think I'll take a peek at him."

little girl was up yet, and if she had missed him. He had perfect confidence did you think was after you?" in her, and knew that she would call off the dog the instant she saw him.

Bumper could see that it was morning, for the bright light shining through the big end of the drain-pipe proved that. He crawled along cautiously, making as little noise as possible. If Carlo was waiting at the entrance to pounce

Another thing which drew him toward the mouth of the pipe was the fragrant odor of good things from the garden. In spite of the big feast of the night before Bumper was hungry again and he longed to get back in the garden and devour a few more carrots and crisp lettuce leaves.

He was within a few feet of the mouth of the drain-pipe, quite confident that Carlo had grown tired of watching and left, when a shadow came between him and the light. Bumper caught sight of a head and forelegs thrust into the opening, and then, without stopping for further investigation, he turned tail and ran back. There was a wild scampering and scraping behind him, and he knew that Carlo was pursuing him in the hole.

But Carlo couldn't follow him very far. The pipe narrowed so that there was just room for Bumper to squeeze through, and no dog, certainly not a big dog like Carlo, could catch him in there. When he reached the place where he had spent the night, he stopped to look around him.

Horror of Horrors! Carlo or some other animal was close behind him, blocking the entire entrance to the hole. Bumper could hear him scraping along, and could almost feel his breath. A shiver of terror went clear through him. In some strange manner the hole had been enlarged over night, or Carlo had shrunk in size, or what seemed more probable, another dog much Wallace Krieger, 568 Bushels of Potasmaller had taken up the pursuit.

With a little yip of fear, Bumper crambled onward again, making his quete county and the other to the left.

came to another branch where there eight bushels per acre is the largest seemed to be three holes leading off yield we have on record from boys of We pay top prices for Skunk, Mink Muskrat, and all raw Furs. Price list free. M. J. JEWETT & SONS, REDWOOD, N. Y. DEPT. 11.

in the ground, nor for that matter a sible for him to tell where he was go- until he nabbed you." tree trunk that was hollow inside from ing. His one great desire was to esa rabbit's burrow. Bumper was a city- cape the pursuing dog or other animal he Sewer Rat,, pretending ignorance. bred rabbit, born in the backyard of a close behind him. Consequently, he

The narrow tunnel came to an abrupt it he landed in a big, circular space When he opened his eyes the next that gave him plenty of opportunity to blinked hard at the circular roof over He had no more idea what kind of a his head, wondering what sort of a place he was in now than before. It

Bumper looked up, and saw a big "Ho! Ho!" he laughed. "Carlo must Sewer Rat grinning at him from the

"I couldn't keep up with you. What ghost this very minute."

was all unnecessary. He disliked Mr. get paler?" Sewer Rat and all his tribe, for they bunnies. Besides his bad manners and he retorted maliciously: uncouth was, the Sewer Rat was dis-

# Here He Is



toes to the Acre

Wallace Krieger, of Skandia, Marway through the drain-pipe as fast as forty-two bushels of Green Mountain ran into a nest of bats). his feet would permit, which, after all, potatoes on one-fourth of an acre. He was not so very fast, for he slipped and is twelve years old and in addition to lost his footing a dozen times, and winning the championship of his counous fell all in a heap where an elbow ty, he also won the championship for in the pipe brought him to an abrupt the entire Upper Peninsula. He extense the control of the championship for the pipe brought him to an abrupt the entire Upper Peninsula. He extense the championship for the championship for the pipe brought him to an abrupt the entire Upper Peninsula. He extense the mirrors wherein our spirit first sees its natural linear ments.—Carlyle. was not so very fast, for he slipped and is twelve years old and in addition to stop. There were two holes opening hibited his potatoes at the Upper Pebefore him, one leading to the right ninsula Boys' Potato Show at Crystal and the other to the left.

Falls. In the very near future, we Bumper chose the one to the right, shall publish a story written by Waland so did the animal pursuing him. lace telling how he grew his potatoes. The race continued until the rabbit His yield of five hundred and sixty-came to another branch where there eight bushels per acre is the largest seemed to be three holes leading off yield we have on record from boys of into different directions. Bumper chose Michigan.

For lasting enjoyment give your friend a year's subscription to the Michigan Farmer. It will be a weekly messenger of your wishes for his enjoyment and success, and besides can be enjoyed by the entire family. Gift subscriptions will receive the Christmas number free. and the other to the left.

Falls. In the very near future, we Bumper chose the one to the right, shall publish a story written by Wal-

he be otherwise when he chose to live in sewers rather than in clean quarters above ground?

"Why were you running so fast?" asked Bumper, not willing to admit the rat had frightened him.

"Just to frighten you," was the retort. "I wanted to give you the scare of your life, and I guess I did."

"Oh, no," replied Bumper, assuming B UMPER was so young and inexpe- the middle one blindly, and ran through an air of dignity. "I wasn't really rienced that he didn't know a it for dear life. frightened so long as I knew you were frightened so long as I knew you were It was very dark, and it was impos- behind me. Carlo couldn't catch me

"Carlo! Who's Carlo!" demanded

"Oh! Ho!" laughed Bumper. "Don't tenement house, and how could you ex- was unprepared for the sudden climax pretend that Carlo, the dog, wasn't after you. Didn't I see him chase you in the hole? And how frightened you heart before their whiskers begin to ending, and when Bumper shot out of looked! Why, it nearly made me die with laughter.

Mr. Sewer Rat puffed up his cheeks morning, he stretched himself, and turn around and look at his enemy, and gnashed his long, white teeth angrily. Bumper's fling had hit the mark.

"If Carlo ever touches me," he said, "I'll bite his nose so he'll remember it. "Hello!" a voice called to him out of Who's afraid of an old dog like Carlo?" "You are, I should say," smiled the white rabbit.

The Sewer Rat started to deny this, and then thought better of it. "Well, "I never saw a rabbit run faster in I wasn't more frightened than you, Mr. He was really anxious to see if the all my days," laughed Mr. Sewer Rat. White Rabbit. You're as pale as a

'That's a good one," laughed Bump-Bumper was very angry and indig- er. "Pale as a ghost! Why, I'm whiter nant now that he realized his flight than snow all the time. How could I

Mr. Sewer Rat gnashed his teeth had often made their way into the old again, and swished his long tail. He woman's backyard to annoy the young was plainly angry and discomfitted. So

"You're not white at all. You're so upon him, he wasn't going to be caught gustingly dirty in his habits. How could dirty your own mother wouldn't know you. White! Oh! Ho! Ho! I wish you could see yourself"

Bumper did see himself, or, at least, a part of himself. Both front paws were muddy; his long ears were covered with iron rust; his fat cheeks were dusty and cobwebby, and to the ends of his whiskers clung specks of dirt. In his progress through the drain-pipe he had accumulated sufficient dirt to entirely change his color from pure white to a rusty gray.

"I can soon clean myself," he remarked, "and the little girl with the red hair will help me. Is that the hole that leads back to the garden?"

The Sewer Rat suddenly blinked his wicked little eyes. "Yes," he replied, "if you know the right turns to take. If you don't you'll get lost, and never find your way out."

"I think I know my way back," said Bumper, hesitatingly. He hated to ask favors of the Sewer Rat, but when the latter volunteered information he was grateful for it.

"You'll find a better way back to the garden by following the abandoned sewer you're standing in. Keep straight on to the end. It's much better than crawling back through this small drainpipe."

"Thank you!" replied Bumper. "I believe I'll go back that way!"

"All right, then. I must be going to my family. I haven't had my breakfast yet. Good morning!"

Bumper thanked him again, and turned to follow the sewer back to the garden, not realizing that the Rat had purposely deceived him out of revenge.

(In next week's issue the reader will nd learn of Bumner's troubles when he

#### A CHRISTMAS SUGGESTION.

# The Grizzly King

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### A Serial for Every Member of the Family

CHAPTER I.

sound and smell.

It was the sense of smell that held him still and motionless. Up out of there, and it stirred him strangely. struggled to comprehend it. It was not and it was not the smell of the fat and cut and unafraid, he stood up. lazy whistlers sunning themselves on frighten him. He was curious, and yet Caution held him back.

If Thor could have seen distinctly for a mile, or two miles, his eyes would have discovered even less than the wind brought to him from down the valley. He stood at the edge of a little plain, with the valley an eighth of a mile below him, and the break over which he had come that afternoon an eighth of a mile above him. The plain was very much like a cup, perhaps an acre in extent, in the green slope of the mountain. It was covered with rich soft grass and June flowers, mountain violets and patches of forget-me-nots, and wild asters and hyacinths, and in the center of it was a fifty-foot spatter of soft mud which Thor visited frequently when his feet became rock-

To the east and the west and the softened in the golden sunshine of a June afternoon.

-the fat whistlers on their rocks, out hatred or fear of his ownzed from flower to flower, the hawks in coming to him from down the valley. the valley, and the eagles over the peaks. Even Thor was singing in his ing the air with his keen brown nose, soft mud a few minutes before he had back into dim and bygone generations.

And now, for some mysterious rea- it was a menace and a threat. son, there had suddenly come a change For ten minutes he sat like a carven

less he still sniffed the wind. It puz-ITH the silence and immobility zle him. It disquieted him without of a great reddish-tinted rock, alarming him. To the new and strange Thor stood for many minutes smell that was in the air he was as looking out over his domain. He could keenly sensitive as a child's tongue to not see far, for, like all grizzlies, his the first sharp touch of a drop of eyes were small and far apart, and his brandy. And then, at last, a low and vision bad. At a distance of a third or sullen growl came like a distant roll of a half a mile he could make out a goat thunder from out of his chest. He was or a mountain sheep, but beyond that overlord of these domains, and slowly his world was a vast sun-filled or night- his brain told him that there should be darkened mystery through which he no smell which he could not compreranged mostly by the guidance of hend, and of which he was not the master.

Thor reared up slowly, untill the whole nine feet of him rested on his the valley a scent had come to his nos. haunches, and he sat like a trained trils that he had never smelled before, dog, with his great forefeet, heavy with It was something that did not belong mud, drooping in front of his chest. For ten years he had lived in these Vainly his slow-working brute mind mountains and never had he smelled that smell. He defied it. He waited caribou, for he had killed many cari- for it, while it came stronger and nearbou; it was not goat; it was not sheep; er. He did not hide himself. Clean-

He was a monster in size, and his the rocks, for he had eaten hundreds new June coat shone a golden brown of whistlers. It was a scent that did in the sun. His forearms were almost not enrage him, and neither did it as large as a man's body; the three largest of his five knifelike claws were he did not go down and seek it out, five and a half inches long; in the mud his feet had left tracks that were fifteen inches from tip to tip. He was fat, and sleek, and powerul. His eyes, no larger than hickory nuts, were eight inches apart. His two upper fangs, sharp as stiletto points, were as long as a man's thumb, and between his great jaws he could crush the neck of a caribou.

Thor's life had been free of the presence of man, and he was not ugly. Like most grizzlies, he did not kill or the pleasure of killing. Out of a herd he would take only one caribou, and he would eat that caribou to the marrow in the last bone. He was a peaceful king. He had one law: "Let me alone!" he said, and the voice of that law was in his attitude as he sat on his haunches sniffing in the strange smell

In his massive strength, in his alonenorth of him spread out the wonderful ness and his supremacy, the great bear panorama of the Canadian Rockies, was like the mountains, unrivalled in the valleys as they were in the skies. With the mountains, he had come down From up and down the valley, from out of the ages. He was part of them. the breaks between the peaks, and The history of his race had begun and from the little gullies cleft in shale and was dying among them, and they were rock that crept up to the snow-lines alike in many ways. Until this day he came a soft and droning murmur. It could not remember when anything was the music of running water. That had come to question his might and his music was always in the air, for the right-except those of his own kind. rivers, the creeks, and the tiny streams With such rivals he had fought fairly gushing down from the snow that lay and more than once to the death. He eternally up near the clouds were nev- was ready to fight again, if it came to a question of sovereignty over the There were sweet perfumes as well ranges which he claimed as his own. as music in the air. June and July- Until he was beaten he was dominathe last of spring and the first of sum- tor, aribter, and despot, if he chose to mer in the northern mountains-were be. He was dynast of the rich valleys commingling. The earth was bursting and the green slopes, and liege lord of with green; the early flowers were all living things about him. He had turning the sunny slopes into colored won and kept these things openly, withsplashes of red and white and purple, out strategy or treachery. He was hatand everything that had life was sing- ed and he was feared, but he was withthe pompous little gophers on their was honest. Therefore he waited opmounds, the big bumblebees that buz- enly for the strange thing that was

As he sat on his haunches, questionway, for as he paddled through the something within him was reaching rumbled curiously deep down in his Never before had he caught the taint great chest. It was not a growl or a that was in his nostrils, yet now that roar or a snarl; it was the noise he it came to him it did not seem altomade when he was contented. It was gether new. He could not place it. He could not picture it. Yet he knew that

in this wonderful day for him. Motion-thing on his haunches. Then the wind

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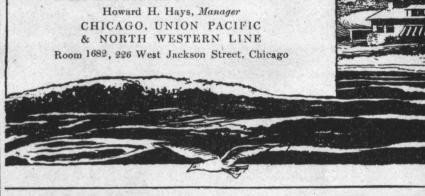
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less, until it was gone altogether.

Thor's flat ears lifted a little. turned his huge head slowly so that his situation. As he puffed the first lux- sharp nudge with his elbow. eyes took in the green slope and the urious cloud of smoke from his bulldog, now that the air was clear and sweet from which they had just come. again. He dropped on his four feet, and resumed his gopher-hunting.

There was something of humor in his hunt. Thor weighed a thousand pounds; and weighs six ounces. Yet Thor would dig energetically for an hour, and rejoice at the end by swallowing the fat little gopher like a pill; it was his bonne bouche, the luscious titbit in the quest of which he spent a third of his spring and summer digging.

He found a hole located to his satisfaction and began throwing out the earth like a huge dog after a rat. He was on the crest of the slope. Once or twice during the next half-hour he lifted his head, but he was no longer disturbed by the strange smell that had come to him with the wind.

#### CHAPTER II.

MILE down the valley Jim Langdon stopped his horse where the spruce and balsam timber thinned ovt at the mouth of a coulee, looked ahead of him for a breathless moment or two, and then with an audible gasp of pleasure swung his right leg over so that his knee crooked restfully about the horn of his saddle, and waited

Two or three hundred yards behind him, still buried in the timber, Otto was having trouble with Dishpan, a Langdon contumacious pack-mare. other's vociferations, which threatened Dishpan with every known form of torof losing her brain through the medi-Bruce Otto would do nothing more this was the thirtieth of June. than make the welkin ring with his terrible, blood-curdling protest.

of a certain difficulty he had in distribmountain cayuse.

at the throat, exposing a neck darken- he had lived among them all his life, was a mutual understanding between ed by sun and wind; his eyes were of a keen, searching blue-gray, and they quested the country ahead of him now with the joyous intentness of the hunter and the adventurer.

Langdon was thirty-five. A part of his life he spent in the wild places; the other part he spent in writing about the things he found there. His companion was five years his junior in age, but had the better of him by six inches in length of anatomy, if those additional inches could be called an advantage. Bruce thought they were not. "The devil of it is I ain't done growin' yet!" he often explained.

He rode up now and unlimbered himself. Langdon pointed ahead.

"Did you ever see anything to beat that?" he asked.

"Fine country," agreed Bruce. "This is a mighty good place to camp, too, Jim. There ought to be caribou in this range, an' bear. We need some fresh meat. Gimme a match, will you?"

It had come to be a habit with them

match when possible. They performed them. He this ceremony now while viewing the

"Fine place for our tepee," he said. 'Dry wood, running water, and the first good balsam we've struck in a week for our beds. We can hobble the horses a mountain gopher is six inches long in that little open plain we crossed a quarter of a mile back. I saw, plenty

He looked at his watch.

"It's only three o'clock. We might go on. But-what do you say? Shall we stick for a day or two, and see what this country looks like?"

"Looks good to me," said Bruce.

He sat down as he spoke, with his back to a rock, and over his knee he levelled a long brass telescope. From his saddle Langdon unslung a binocular glass imported from Paris. telescope was a relic of the Civil War. Together, their shoulders touching as they steadied themselves against the rock, they studied the rolling slopes and the green slides of the mountains ahead of them.

They were in the Big Game country, and what Langdon called the Unknown. So far as he and Bruce Otto could discover, no other white man had ever preceded them. It was a country shut in by tremendous ranges, he announced quietly. through which it had taken them twenty days of sweating toil to make a hundred miles.

That afternoon they had crossed the grinned happily as he listened to the summit of the Great Divide that split the skies north and south, and through their glasses they were looking now ture and punishment, from instant dis- upon the first green slopes and wonembowelment to the more merciful end derful peaks of the Firepan Mountains. the other's telescope, every nerve in close to three hundred yards from the To the northward—and they had been his body suddenly aquiver. um of a club. He grinned because Ot- traveling north—was the Skeena Rivto's vocabulary descriptive of terrible er; on the west and south were the der, just beyond the ravine over things alway impending over the heads Babine range and waterways; east- there?" said Bruce, with one eye clos- my," he said. "That bear's goin' to do of his sleek and utterly heedless packhorses was one of his chief joys. He wood, and still farther eastward the escope. "He's halfway up, digging out wound 'im—one o' three, mebbe: he's knew that if Dishpan should elect to Ominica range and the tributaries of a gopher." turn somersaults while diamond-hitch- the Finley. They had started from cived under her pack, big, good-natured ilization on the tenth day of May and slope, and a moment later an excited in the valley—this way. We can't keep

As Langdon looked through his glasses he believed that at last they One after another the six horses of had reached the bourne of their detheir outfit appeared out of the timber, sires. For nearly two months they had don. "Bruce, that's the biggest grizzly and last of all rode the mountain man. worked to get beyond the trails of in the Rocky Mountains." He was gathered like a partly released men, and they had succeeded. There spring in his saddle, an attitude born were no hunters here. There were no chuckled the packer, without moving a behind a rock, where he could keep an of years in the mountains, and because prospectors. The valley ahead of them muscle. was filled with golden promise, and as by a dozen inches, Jimmy! An"-he to climb quietly up the boulder-strewn uting gracefully his six-foot-two-inch he sought out the first of its mystery paused at this psychological moment gully, length of flesh and bone astride a and its wonder his heart was filled to pull a plug of black MacDonald from with the deep and satisfying joy which his pocket and bite off a mouthful, Upon his appearance Langdon dis- only men like Langdon can fully un- without taking the telescope from his mounted, and turned his eyes again up derstand. To his friend and comrade, eye-"an' the wind is in our favor an' the valley. The stubby blond beard on Bruce Otto, with whom he had gone he's as busy as a flea," he finished. his face did not conceal the deep tan five times into the North country, all painted there by weeks of exposure in mountains and all valleys were very his feet, and Langdon jumped up briskthe mountains; he had opened his shirt much alike; he was born among them, ly. In such situations as this there

tiny plain. He easily forgot the smell Langdon nodded toward the timber crossing a dip about a mile and a half a sixth cartridge in the chamber of his up the valley," he said, without taking his eves from the telescope.

"And I see a Nanny and her kid on its approaches with their naked eyes. the black shale of that first mountain to the right," replied Langdon. "And, gested Langdon. by George, there's a Sky Pilot looking down on her from a crag a thousand of buffalo grass and a lot of wild tim- feet about the shale! He's got a beard a foot long. Bruce, I'll bet we've struck a regular Garden of Eden!"

"Looks it," vouchsafed Bruce, coiling up his long legs to get a better rest for his telescope. "If this ain't a sheep come down on him from above!" exan' bear country, I've made the worst guess I ever made in my life."

out a word passing between them. Be- climbing mountains! You'd climb over hind them their horses were nibbling hungrily in the thick, rich grass. The from above, even though you could get sound of the many waters in the moun- him from the valley without any work tains droned in their ears, and the val- at all. I'm glad it isn't morning. We ley seemed sleeping in a sea of sun- can get that bear from the ravine!" shine. Langdon could think of nothing more comparable that that-slumber. was its drowsy purring. He was focussing his glass a little more closely had shifted, and was almost in their on the goat standing watchfully on its faces. Their swift walk changed to a crag, when Otto spoke again.

"I see a grizzly as big as a house,"

Langdon sat up with a jerk. "Where?" he demanded.

"See that slope on the second shoul-

gasp came from him.

"See 'im?" asked Bruce.

"If he ain't, he's his twin brother,"

Otto unwound himself and rose to Far off, the mellow music

shifted, and the scent grew less and to light both their pipes with one and he would probably die among them which made words unnecessary. They led the eight horses back into It was Bruce who gave him a sudden the edge of the timber and tied them there, took their rifles from the leather "I see the heads of three caribou holsters, and each was careful to put weapon. Then for a matter of two minutes they both studied the slope and

"We can slip up the ravine," sug-

Bruce nodded.

"I reckon it's a three-hundred-yard shot from there," he said. "It's the best we can do. He'd get our wind if we went below 'im. If it was a couple o' hours earlier-"

"We'd climb over the mountain and claimed Langdon, laughing. you're the most senseless idiot on the For five minutes they looked, with- face of the globe when it comes to Hardesty or Geikie to shoot a goat

"Mebbe," said Bruce, and the started. They walked openly over the green The valley was like a great, comfort- flower-carpeted meadows ahead of able cat, and the sounds they heard, them. Until they came within at least all commingling in that pleasing drone half a mile of the grizzly there was no danger of him seeing them. The wind dog-trot, and they swung in nearer to the slope, so that for fifteen minutes a huge knoll concealed the grizzly. In Bruce seldom allowed his equanimity another ten minutes they came to the to be disturbed, except by the pack- ravine, a narrow, rock-littered and prehorses. Thrilling news like this he al- cipitous gully worn in the mountainways introduced as unconcernedly as side by centuries of spring floods gushthough speaking of a bunch of violets. ing down from the snow-peaks above. Here they made cautious observation.

The big grizzly was perhaps six hun-He leaned over to get the range of dred yards up the slope, and pretty nearest point reached by the gully.

Bruce spoke in a whisper now.

"You go up an' do the stalkin', Jimgoin' to investigate you, or he's going Langdon focussed his glass on the up over the break, or he's coming down 'im from goin' over the break, an' if he tackles you-just summerset it down "The glass has pulled him within the gully. You can beat 'im out. He's four feet of my nose," replied Lang- most apt to come this way if you don't get 'im, so I'll wait here. Good luck to you, Jimmy!"

With this he went out and crouched "He beats your eight-footer eye on the grizzly, and Langdon began

(Continued next week).

#### WINTER MUSIC.

Of silver-sounding bells: The tale the swung axe tells;

The hoarse "Helloo" of hunters; The baying of the hound;—
Il through the realm of snowflakes With soft and soothing sound.

Near by, the chirp of sparrows; The saucy "chick-a-dee;" And faint foot-falls of feathery flakes Make up the minstrelsy.

### TO OUR SOLDIERS.

BY LOULA E. LEISENRING. Here's just a friendly message,
To our soldier boys in France,
Just a word of hearty greeting,
It may cheer some heart perchance.

We at home are thinking ever, Of the boys across the sea; And we cheer, and praise their cour-In this fight for liberty.

Hearty greetings to our soldiers Sammie boys so strong and true, Facing danger, fighting bravely, For our own Red, White and Blue.

Keep your courage, do not falter, For the fight will not be long. We will welcome your returning, With a shout, and joyful song.

# Kent City Boy Wins State Championships



Boys' Live Stock Judging Contest at the West Michigan State Fair at Grand Rapids, in which Henry Bjork, of Kent City, won the State Champion-ship. He later won the same honors at the Michigan State Fair at Detroit.

# Farmers' Clubs

#### MARIAN MA THE ANNUAL MEETING.

quarter-century anniversary The of the Michigan State Association of Farmers' Clubs was held in the Senate Chamber at Lansing on December 4-5, 1917. The delegates assembled with a large representation present. The forenoon was given over to routine work, the first general session being opened at one o'clock p. m.

Following the opening exercises, including invocation by Rev. W. L. Fox, of Lansing, and a solo by Melvin Hart, of Howell, the report of the Associational Secretary, Mrs. J. S. Brown, of Howell, was given. Her official report contained the following statistics based on reports from forty-six report blanks returned to December 1, 1917:

One hundred and five active clubs with a membership of 5,366 a year ago and with nine new added would make approximately 5,916, a net gain of 350

and the highest twenty-six, this banner numbers of meetings being held by the River Bend Club of Ottawa and Kent counties, while the Allendale, of tial right of suffrage has been granted unto women; therefore be it resolved that we favor an amendment to the State Constitution granting unto them erage attendance being seventy-five, the largest average attendance re-

Eleven Clubs hold fairs, and many other Clubs make entries at their coun-

Organization for Financial Advancement.

We denounce as unjustifiable and vicious the methods of taxation of mortgages and land contracts and demand a law to place every dollar's worth of property on the assessment rolls at its equitable value.

We believe in our state and national bank laws, and ask for the eliminatook up one phase of the subject for detailed discussion, namely: "The Cooperative Elevator." The type of organization fo which he referred as a cooperative Elevator. ration to which he referred as a cooperative elevator company, as he carefully explained, was not one in which a large number of farmers were stocka large number of farmers were stock-holders and in which dividends in excess of the interest and earning power of the money are paid on stock, but in which a large number of farmers are small stockholders, but in which the secured.

duplication of work and unnecessary expense caused by carrying of minor cases from the justice to the circuit court and recommend that a higher limit be made in which the justice court shall be final if arbitration can not be secured.

Realizing fully the great and immediate burden of national responsibility that the United States has willingly asearnings of the capital stsock are limited to six per cent on its par value, and the balance of the profits of the concern are divided up among the stockholders in proportion to the amount of business they have contributed to the organization during the year. The particular advantages of this type of organization were made clear diate burden of national responsibility that the United States has willingly assumed in this struggle for democracy and right, and the predominant need of conserving our food supplies for war purposes, as well as to aid humanity and the pressing need for the fullest possible protection of food, food stuff and food animals in the years to come:

We, the State Association of Farmers' Clubs of Michigan, do hereby resolve that: type of organization were made clear and specific illustrations were drawn in support of the argument. Mr. Cook thought that only one other type of organization was of equal importance organization was of equal importance with the congruity elevator the average of the saving of the argument our allies.

Following Mr. Cook, Dr. Wilbur, personal assistant to Mr. Hoover in food administration work, addressed the convention on the need of food conservation. In his address and in a later talk to the delegates, Dr. Wilbur made it very plain that if the war is to be won on the present European battle field, the people of this country must make it possible by increased produc-

tion of foods stuffs and rigid conserva-tion of foods, particularly of flour, fats and sugar. Dr. Wilbur showed that he was not unmindful of the handicap con-fronting food producers at the present time, but compared their condition to farmers of Belgium, Northern France, Poland, Roumania, Northern Italy and other battle grounds of the great war. Dr. Wilbur brought home to his hear-ers the prospect that if we do not pre-sent a patriotic front in the matter of sent a patriotic front in the matter of food production and conservation, enabling the allies to win the war on the European fields, that the same conditions which prevail among the farmers in the countries named may in the not distant future obtain over large sections of our own country.

tions of our own country.

Following Dr. Wilbur's talk, Miss Theresa J. Shier, director of the Department of Library Publicity, Michigan Branch of the United States Food Administration, gave a talk describing the nature of the library publicity work and called attention to a fine exhibit of children's posters which she had arranged in one corner of the room. Attention was also called to the publications of the department, and the ladies present were invited to take copies of present were invited to take copies of those which were available and ask any questions they might desire concerning the work, which opportunity was im-proved during recess. A reading by Mrs. Claude A. Burkhart, of Howell, fin-ished the afternoon program.

members.

Number of meetings held during the year of the forty-six Clubs reported 483, the lowest number being seven and the highest twenty-six, this banwere adopted:

#### State Affairs.

universal suffrage.

We unhesitatingly ask and demand

the legislature to give the people a good workable law for the Torrens sys-tem of land transfers, making it op-tional with the electorate of the

clubs. Seventeen hold temperance meetings, while twenty-three Clubs use pre-

ings, while twenty-three Clubs use prepared programs, twenty-nine have picnics.

Thirty-six Club secretaries take the Michigan Farmer.

Thirty-eight Clubs of the forty-six reported sent delegates last year.

Twenty-three deaths have occurred the past year, five clubs have reported from Jackson county, and five from Clinton county.

Organization for Financial Advancement.

All criminal cases constituting a misdemeanor.

We favor a bill making uniformity of text books up to and including the eighth grades in the rural schools.

Whereas, the real burden of taxation is now borne by real property; therefore, we recommend a law for levying of an income tax for state purposes to meet the exigencies of an increased taxation, also the necessity arising from the continually increasing number of individuals and corporations who pay but little of the taxes or seek to evade it entirely.

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with the cooperative elevator he average rural community, namely the cooperative live stock shipping association.

Following Mr. Cook, Dr. Wilbur, personal assistant to Mr. Hoover in food

We will encourage production from every available acre in our great state. We are opposed to the so-called Non-partisan League, as a means to a good

and effective government. As it is a proven fact that our fire losses in Michigan for the present year exceed those of a number of years

while we realize that in some cases men have been appointed as county agents, who were not fitted, either by education or experience to act in such capacity, we favor the movement as a whole, and where proper appointments are made we believe they will prove of the state. great value to the farmers of the state.

Realizing that the labor situation on the farms will be serious from now on, we favor the work of the United States Boys' Working Reserve.

#### National Affairs.

Whereas, our country is now in the terrible struggle for the freedom of the world, and our Allies are looking to us for help to make the world safe for democracy, and

Whereas, the best of our young men e being called to take arms in this

are being caned to take arms in this great struggle,
Resolved, that we, the Farmers'
Clubs of Michigan, offer ourselves to our country, that we pledge ourselves to put forth every effort to feed our troops and our Allies.

Resolved, that we help to sustain the Red Cross and the Y. M. C. A. of the army to the extent of our ability. That in whatever our country needs, we will do our part, not grudgingly, but with a free hand

free hand.
Resolved, that we will cooperate with our administration and leaders in food conservation in order that all the different agencies be fed and the war may be won before it comes to our own

Resolved, in the matter of agricultural cost prices fixed and to be fixed by the Food Administration, we desire to call attention that the farmer as a buyer and consumer is paying for the labor therein on an average of an eight labor therein on an average of an eight hour day, on a total wage basis, includ-ing superintendence of approximately fifty cents per hour, therefore, we ask that proper wage allowance be made for agricultural labor and payment of wages of superintendence.

We desire to call attention to the shortage of farm labor for next year, and ask that the federal and state governments make due provision for such emergency at the earliest possible mo-

Resolved, that we indorse the recom-mendations of the American Defense Society in forbidding the publication of newspapers and magazines in the Gernewspapers and magazines in the German language during the war, and the publication of any disloyal utterances in English; and that Congress be asked to expel all disloyal members; and that it be recommended to the various authorities to forbid the compulsory study of German in the public schools. study of German in the public schools.

study of German in the public schools.

Resolved, that we, the members of the Michigan State Association of Farmers' Clubs, do heartily indorse the principle of equal suffrage, and believing that, in view of the splendid services, the women are entitled to an equal voice in the affairs of the government; that we sincerely advocate the passage of a federal amendment to the constitution giving the women of the country the ballot.

We therefore urge our senators and

We therefore urge our senators and representatives in Congress to support any legislation of this nature, and be it resolved, that our representatives in Congress be asked to lend their sup-port and influence in behalf of the suf-frage amendment to be introduced during the present session.

Resolved, that we, the Michigan State Association of Farmers' Clubs, request Congress to abolish the obsolete and wasteful practice of "Free Seed Distribution."

Resolved, that we condemn the use of any grain for the manufacture of beer

Resolved, that we recommend the abolishing of express companies with their extra expense, and that the work now done by them be done directly by the railroad companies.

Whereas, reliable statistics assure that the most potent cause for the poverty, crime and suffering which exists, is caused, directly or indirectly, by the use of intoxicating liquors, as a beverage, and

Whereas, the people of Michigan have, most wisely, determined, in a constitutional manner that such condition shall no longer be permitted to ex-

ist, therefore be it
Resolved, by the Michigan State Association of Farmers' Clubs, in convention assembled, that we will make use of every proper means, whereby to blot out the sin of the once legalized liquor traffic and to bring the life-line of resolved. out the sin of the once legalized liquor traffic, and to bring the life-line of rescue to those unfortunate ones who have heretofore been dominated by the destructive liquor habit.

# For the **Christmas Tree**

Give the "Ball-Band" Rubber Footwear to the men and the women, also the boys and the girls.

It's warm and comfortable, vulcanized by vacuum process to give it extra long wear.

Worn by nine and onehalf million people, and sold by 55,000 merchantsnearly every footwear store in the country.

Write for booklet illustrating the different kinds of footwear.



# YOUR TIME with a KRAMER ROTARY HARROW



attached to your plow you can disc and harrow your land at the same time and with the same work and power that you use for plowing. You really do three operations in one. Time saved in planting season is money in the bank.

Write today for full description.

Kramer Rotary Harrow Co. Morton, Dept. 62 Illinois

# **QOD SAWS** Give perfect ser-

Give perfect service for years. Tremendously strong rigid frame of angle steel, or hardwood, bolted, braced and mortised—can't get out of line from any strain, tables Lathe-turned steel shaft, in non-rigid boxes; dust proof, non-heating, self-adjusting—keep saw true and steady even after years of wear. Ten styles. Send for booklet. APPLETON MFG. CO. 620 Farge St., Batavia, III.

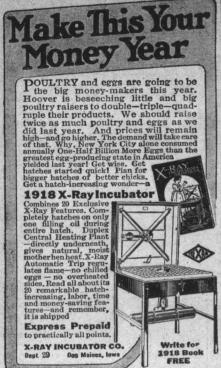


# **CASH FOR**

PRICES
BY

We pay highest prices and also freight charges. Be sure to get our prices before disposing of your bags. They're worth money to you and we'll pay you best eash price for them as soon as received and assorted. Write us at once stating how many you have.

WERTHAN BAG COMPANY 61 Dock Street St. Louis, Mo. 61 Dock Street





# "Raise More Poultry

Is Our Country's Call. Now is the time to start—the demand is big—every man, woman, boy and girl can help. Besides supplying the Nation with food, you can make big profits with little effort—and this small investment.

Solution 140 - Egg Belle City Incubator

-Copper Tank—Double Walls of Fibre
-Self Regulated. With
Hot Water 140 - Chick
-bothonly \$12.95, Frt. Paid E.
less. Satisfaction Guaranteed. Belle City Incubator Co., Box 14 Racine, Wis.



### **POULTRY**

BREEDING COCKERELS Trapnested, bred-to-lay stock. S. C. White Leghorns, \$2 each. Barred Rocks and R. C. Reds, \$3 each. SUNNYBROOK POULTRY FARM, Hillsdale, Mich.

John's big beautifull hen-hatched Barred Rocks Jood layers, Pens (5 birds) \$12 to \$20. \$3 to \$10 each sold on approval. Circulars, photos. John Northon, Clare, Mich

Barred Rocks Cockerels for with records to 290 eggs a year, \$2 to \$5 each. Circular free. FRED ASTLING, Constantine, Mich.

Barred Rock Cocketels bred from Great Layers W. C. COFFMAN, R. 3 Benton Harbor, Mich.

Barred Plymouth Rock cockerels \$3.00 each Full blood from prize winning heavy Union City, Mich

Barred Rocks Cockerels from good laying strain \$3.00 each two for \$5.00 a.A. WOOD & SON, Saline, Mich.

Ferris White Leghorns A real heavy laying strain, trapnested 17 years, records from 200 to 264 eggs. Get our special summer prices on yearling 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.

Pine Crest S. C. White Orpingtons, special sale of year old cocks and hens also young cockerels. MRS. WILLIS HOUGH, PINE CREST FARM, Royal Oak, Mich

GEORGE B. FERRIS 984 Union, Grand Rapids, Mich.

Laybilt S. C. W. Leghorns Large, great layers. Pur white. Bargains in choice breeding hens now. Everfresh Egg Farm. Ionia, Mich

Fowlers Buff Rocks Cockerals Pullets and hens for sale from two dollars up according to quality.

R. B. FOWLER, Hartford, Mich.

Additional Poultry Ads on Next Page

(Continued from page 561). found by the college to be highly successful for this purpose are given below:

Ration A .- Corn meal 12 lbs; flour (low grade, 8 lbs; middlings, 4 lbs. Cost, November 1, 4.4c per pound.

Ration B.—Corn meal, 12 lbs; oat meal, 8 lbs; middlings, 4 lbs. Cost, November 1. 4.2c per pound.

Ration C.—Corn meal, 12 lbs; flour (low grade), 8 lbs; middlings, 4 lbs; meat scrap, 6 lbs. Cost, November 1, 4.4c per pound.

Ration D.-Corn meal, 12 lbs; oat meal, 8 lbs; middlings, 4 lbs; meat scrap, 6 lbs. Cost, November 1, 4.2c per pound.

Ration E.-Corn meal, 12 lbs; flour (low grade), 8 lbs; middlings, 4 lbs; tallow (beef or mutton), 20 ounces. Cost, November 1, 4.7c per pound.

Ration F.-Corn meal, 12 lbs; oat meal, 8 lbs; middlings, 4 lbs; tallow, 20 ounces. Cost, November 1, 4.5c per pound.

These rations should be mixed with sour milk or buttermilk and fed in troughs.

may never have tried crate fattening heretofore, this schedule is suggested:

the day.

Second and third days, one-half ounce of feed mixed with buttermilk, per bird, fed twice during the day.

Fourth, fifth, sixth and seventh days, three-quarters of an ounce of feed, mixed with buttermilk, per bird, twice a day.

Eighth and ninth days, one ounce of feed mixed with buttermilk, per bird, fed twice a day.

Tenth, eleventh, twelfth and thirteenth days, all they will eat in twenty minutes, fed twice a day.

Fourteenth day, feed nothing. Give birds water to drink.

Fifteenth day, kill.

#### MICHIGAN BEE-KEEPERS IN SES-SION.

The fifty-second annual meeting of the Michigan Bee-Keepers' Association was held November 27-28 at Saginaw. Colin P. Campbell, of Grand donated for the exhibit and sale. These quired days of travel, speaking and Rapids, was reelected as president, and B. K. Kindig, of East Lansing, as secretary-treasurer. Battle Creek was chosen as the meeting place for next year. A committee was appointed on ways and means of marketing honey on a competitive basis, with David Running, of Filion, as chairman. Another committee headed by W. L. Cheof importance in bee-keeping will have

past year at low cost.

your cone will sweeten it just as much as so much sugar, or even more so, for honey dissolves instantly and completely. It can be used in baking and requires no shortening and it is so used by most of the large baking companies to some extent. Honey is taking the place of syrup."

# A Farmers' Festival

By JENNIE BUELL

through a project which is quite the gift fund. worth telling about. This was a Farmers' Thanksgiving Festival to which every farm neighborhood of the county contributed of the season's produce and which turned over to the Red Cross the tidy sum of \$2,500 as a gift from the rural folks.

A Cooperative Festival.

I said "the organized farmers" accomplished this result; and this is true for, although the idea, requisite faith, enthusiasm and energy were supplied by Mr. Earle W. Martin, still this individual alone could not have realized his plan had he not started the move- this Farmers' Festival was its spirit. ment and worked through the Horticul- To the initiated, it is apparent at once tural Society and Ann Arbor Grange, that such an event was not attained by of both of which he is a member. As wishing. And it was not; it was instia result of his incentive, there were gated and dominated by a willing spirit exhibits at this festival made by all of service. Three weeks of dauntless the Granges of the county (fourteen), zeal and efficient organizing went bethree Farmers' Clubs, one School Im- fore its realization. Committees were and for the guidance of individuals who provement Association, two Gleanor first secured in one or two local sociarbors. Besides these, five individual eties and then these committees visitfarm exhibits were shown and scores ed every arm organization in the coun-First day, only water, twice during of families not affiliated with any par- ty and secured committees there to

HE organized farmers of Wash- wiches and coffee, also donating the tenaw county have just put eatables and turning the proceeds into

> For the most part little effort was made at elaborate effects, but there was one notable exception; the loyal members of the Stone School Imprvement Association worked out a likeness of their rural school house, using potatoes and other vegetables or cobblestones, which was continually admired and which spoke eloquently of the strong community sentiment centered in one little rural school.

#### The Spirit of the Occasion.

But the biggest factor by far about



Donations for the Red Cross Festival were Abundant.

auto trucks; for instance, Chelsea sent worked made their pleas fruitful and Farmers' Club sent the prize-winning has never been felt here before.

## Attractive Exhibits.

M. A.C. officials in an effort to secure sented a decidedly arm like scene in were offered by the city merchants for the appointment of several extension preparation and during the two days of a few exhibits, such as the best exhibit workers in bee culture. Every county the festival proper. Its gymnasium was by any organization, best individual banked to the galleries with produce exhibit, heaviest chicken, best bushel a local association and a drive will be and heaped high in the middle with of potatoes, best ten ears of seed corn, made to increase honey production, only a narrow aisle between. In the best loaf of white bread and best loaf The government will furnish an expert reading room was a rest room alcove, of war bread. The prize-winning exand the state will supply three men to a collection of old war relics, Red hibits were sold Saturday evening by increasing the production. Floyd Mark- such as the Y. M. C. A. maintains on bringing fancy prices. ham, of Ypsilanti, won the gold medal the battle fronts and in training camps. offered by manufacturers of bee sup- In the basement was an overflow of plies for the best exhibits for the third field and garden products, besides a money for the Red Cross, army "Y" time, so that it now becomes his prop- considerable exhibit of live poultry, work, or other patriotic cause," says Farmers purchased excellent breeding Mr. Martin. But when this is said con-A special committee was appointed stock and city folks, who liked to carry cerning financial returns, the story is look into the matter of having ex- home their Thanksgiving dinner with only fairly begun; for there have been hibits at the fairs. The report on bee its feathers on, were alike accommo- greater and more far-reaching results inspection showed that thousands of dated. On the second floor the women come from the festival. First, it led colonies had been examined during the of the farm organization did a brisk farm organizations to work together business in canned vegetables, fruits across their society lines; second, it E. R. Root, of Medina, Ohio, gave an and jellies, dressed poultry and baked brought town and country people into interesting talk on the honey market, goods. The table containing the baked one together and into more unsaying in part: "There is grave short- products was cleaned out several times derstanding acquaintance; and, third, age of sugar, and honey will fill the bill. While it is twenty per cent water a teaspoonful of extracted honey in your coffe will sweeten it just as much sold with recipes were the objects of It is too early to tell much of the sold with recipes were the objects of It is too early to tell much of the sold with recipes were the objects of It is too early to tell much of the sold with recipes were the objects of It is too early to tell much of the constant discussion and inspection. An- dreams and plans along this latest line other fertile topic for conversation was of development but the thought of it is "coldpack canning" at canned goods big with expectant promise. If these table. In an adjoining space, the Red hopes materialize, Michigan Farmer

ticular organization sent their contri- canvass their respective districts. Evbutions with organizations from their ery family was urged to "give a little localities. There were hundreds of more than you think you can; this is bushels of grain, vegetables and fruits your fair, make it a winner." This rewere massed at centers in the different personal interviews; but everywhere sections of the county and sent in by the patriotic cause for which they five truck loads, Milan sent a fine lot, aroused in the rural county such a feel-Manchester sent three tons, and Salem ing of oneness and zeal as probably

#### Grocers' Help.

The produce contributed was ap-The city Y. M. C. A. at Ann Arbor praised by a leading grocer who furney, of Mason, was named to confer offered its entire building for the use nished clerks and cash registers to with the state food administration and of the festival and for one week it pre- help with its disposal. Liberal prizes cooperate with the state inspector in Cross exhibits and a miniature "hut" a popular auctioneer, most of them

#### Its Widespread Influence.

"This is the easiest way of raising Cross women of the towns served sand- readers will hear more of it.



Keep Your Hens a Laying frust your hatching to time tried and tested \*\*SUGCESSFUL\*\*
Incubators and Brooders by the big money makers who stay in business year after year. Poultry Lessons Free. Booklet. "How to Raise 48 out of 50 chicks," 10 cents. Catalog Free. Write today. Des Moines Incubator Co., 368Second Street, Des Moines, Iswa

POULTRY

HOMESTEAD FARMS

POULTRY SALE
We have the following birds for immediate delivery.
Pullets—full grown and about ready to lay: 24 White
Plymouth Rocks: 25 Barred Plymouth Rocks: 10 8. C.
Rhode Island Reds: 10 White Leghorns: also 20 Leghorns thirds grown: 12 Black Orpingtons.
Yearling Hens—moulting finished 60 8. C. White Leghorns: 38 S.C. Rhode Island Reds; 12 Black Orpingtons.
Geckerels—Rose and Single Comb White Leghorns: 36 S.C. Rhode Island Reds; Black
Minorcas. These are season closing sales.
HOMESTEAD FARMS

Bloomingdale, Mich.

Cl. 2 Leg. We ship thousands, booking orders now

Chicks, We ship thousands, booking orders now for spring delivery, free booklet. FREEPORT HATCHERY. Box 12, Freeport, Mich.

RHODE ISLAND REDS and plymouth Rocks Males R. 5 to 12 lbs, according to age \$2 to \$5; P. R. hens weight 5 to 10 lbs, eggs 15 for \$1; 100, \$5; 120, \$5, Manmoth Bronze Tom Turkeys 8 to 38 lbs. according to age \$6 to \$25, 10 eggs \$3. J. Morris & J. Barsan, Vassar, Mich.

#### RHODE ISLAND REDS, Both Combs. Cocks, Hens, Cockerels and Pullets at reasonable prices. Intertakes Farm, Box39, Lawrence, Mich.

R. C. Br. Leghorn Cookerels. Leading strains ners. \$2 each after Dec. I. A square deal, orders promptly filled. E. Himebaugh, Coldwater, Mich.

Breeding Stock Hens and Cockerels pure bred S. C. W. Leghorns St. 25 up. White Line Poultry Farm. Hillsdale, Mich.

Bred-to-Lay Rose Comb Rhode Island Red Cock-erols. Write for prices. A. E. SHIER, Wolverine. Cheboygan Co., Mich.

R. C. Br. Leghorn cockerels \$1.50 and \$2. A few nice
Mrs. Wm. Nickert, Carson City, Mich. S. C. W. Leghorn hens two years old, and late hatch.
S. ed pullets \$1 each. Occkerels, utility and trapmest2d \$1.50 to \$5. Hillcrest Poultry Farm, Ypsilanti, Mich
SILVER Golden and White Wyandottes. Oholoc
breeding stock of sale after Oct. let, a few bargains
in yearling hens. C. W. Browning, R. 2, Portland Mich.

WHITE Wyandottes. I have a fine lot of April and May hatching cockerels for \$3.00 and \$5.00 each DAVID RAY, 709 Norris St., Ypsilanti, Michigan White Wyandolies 50 extra choice cockerels \$3 to \$5. I ship on approval and guarantee satisfaction. Milton E. Stewart, R. 3, Augusta, Mich.

White Chinese Ganders Pekin Ducks and a horn hens. Cockerels all sold.

MRS. CLAUDIA BETTS. Hillsdale, Michigan

GIANT Bronze Turkey Toms big boned young thoroughbreds leto 22 lbs. Cheaper now than later.
N. EVALYN RAMSDELL, Ionia, Mich.

Fine Mammoth white Holland Toms for sale \$6,00 Mrs. H. C. McINTYRE.

Jeddo, 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

# The First Michigan Holiday **Guernsey Sale**

Fair Grounds, Jackson, Michigan December 27th, 1917

A consignment of about seventy-five Cows, Heifers and Bulls of popular breeding. Advanced registry cows with records to 12908 lbs.of milk, 675 lbs.fat. Heifers open and bred. also many good foundation cows.

One O'clock Sharp

Among the bulls will be Imported Westmoreland 17918 a May Rose, Golden Secret and Hayes bull, winner of First, Champion and Grand Champion Michigan State Fair 1912, also first prize Wisconsin and Minnesota 1912. L'Aiglon of Bon ayre 33664 winner at 1917 shows also May Rose breeding. Young bulls by the above sires and also such bulls as Walbridges Glenwood Boy First, Champion and Grand Champion, Michigan State Fair 1916; First, Champion and Grand Champion Illinois State Fair 1916; First, Champion and Grand Champion Illinois State Fair 1916; First Dairy Cattle Congress, Waterloo, Iowa 1916. Prides Hambro 35933 a May Rose winner at Illinois, Ohio, Missouri, New York state fairs 1916; First and Junior Champion, Michigan State Fair 1916.

In the females there are several daughters of Glenwoods Champion also females rich in the blood of Stranfords Glenwood of Pinehurst, Glenwood Boy of Haddon, the Sequels and Governor of the Chene. Many of these females are from show herds of 1916 and 1917.

Catalogue Mailed on Request to

G. W. Allen, Sales Mgr., Grass Lake, Mich. Col. D. L. Perry, Auctioneer, Columbus, Ohio

# -Jerseys and Duroc Jerseys-

The most important thing on buying a Jersey bull is to get one backed up by generations of high reducers. Brookwater offers to sell a few choice bull calves of this kind. Our herd of Durocs has on more prizes at the State Fairs this year than any other.

Boar Pigs and Yearlings For Sale.

H. W. MUMFORD,

O. F. FOSTER. BROOKWATER FARM -Ann Arbor, Mich., R. 7.-

# "BULLY" BARGAINS at Long Beach Farm, Augusta, Mich.

Choice Holstein bulls, \$80 up. 4 to 14 mos. old from A. R. O. dams from noted families. Our junior Herd Sire is stated to be a world beaten. His sire is Spring Farm King Pontiac 6th. His dam a 28.53 lb. 6 yr. old daughter of DeKol 2nd Butter Boy 3rd. You should have our illustrated booklet. Our herd is under state and Government supervision.

## CATTLE.

## Aberdeen-Angus

Herd established in 1900, Trojan—Ericas and Black birds only. Bulls in service: Black Brandon 208933 Enosof Woodcote 191382. Also breeders of Percheron and Saddle Horses. WOODCOTE STOCK FARM,

W. L. HOFFMAN, Steward, School for the Deaf, Flint, Michigan

# Registered Guernseys

Stock always for sale. May Rose Strain—Herd Tuber culin tested annually. Never had a reactor—no abortion. J. M. WILLIAMS, North Adams, Mich.

years of expert breeding.

Guernseys-For Sale, four young Flanders Farm, Orchard Lake, Mich.

Guernseys-For Sale, four young culine tested.

Geo. N. Orawford, Holton, Mich.

GUERNSEYS must reduce herd, so offer a few choice females of Glenwood breeding also bulls, all stock of A. R. breeding, herd tuberculin tested. T.V. HICKS, Battle Creek, Mich.

GUERNSEYS-REGISTERED BULL OALVES

Containing blood of world champions. HICKS' QUERNSEY FARM, Saginaw, W. S., Mich am in the Market for 15 head of fresh cows or coming in soon. Must be good grade of Guernsey, Holstein or Uurham at a be good grade of Guernsey, Holstein or Durham at a fair price. Address THOMAS F. COWHEY, - Washington, Mich.

Avondale Stock Farm, Wayne, Michigan have en-Guernser, Cattle in the Michigan Holiday Guernsey Sale at Jackson, Michigan. Dec. 27, 1917.

I have entered 10 head Reg. Guernsey Cattle in the Mich. Guernsey sale at Jackson Dec 27,1917.

JOHN EBELS, R. 2, Holland. Mich.

# **CLUNY STOCK FARM**

100-REGISTERED HOLSTEINS-100
When you need a berd 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.

Write us your wants.

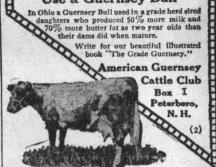
R. BRUCE McPHERSON, Howell, Mich

### ------Don't Sell Common Dairy Cows For Beef

Due to the high price of feed they may pay little profit. But there is a scarcity of dairy animals. Their daughters will yield 25% to 100% more milk than their dams if you

#### Use a Guernsey Bull

In Ohio a Guernsey Bull used in a grade herd stred daughters who produced 50% more milk and 70% more butter fat as two year olds than their dams did when mature.



EG. HOLSTEINS: Herd headed by Albina Bonte b Butter Boy No. 93124. Dam's record at 6 yrs. butter 58 lbs. milk 619.4. Yearly record at 24 yrs, butter 2 lbs. milk 19622 lbs. W. B. READER, Howell, Mich

A Good Note accepted in payment of finely bred regulative of the best, and at prices within reach of all. Write, GEO. D. OLARKE,

Parham's Pedigree Stock Farm offers Reg. Hol-stein cattle, Chester White Swine, extra bargins in cattle pigs. Bulls half price-R. B. PARHAM. Bronson, Mich.

\$50 Gets sonef 30 lb. bull dam is grand-daughter of De Kol 2nd Butter Boy 3 rd. Her dam 18,96 lb. 2 yr. old.
Redford, Michigan.

# I Always Have Holsteins To Sell

If wanting Registered cattle write me your wants before placing your order elsewhere.

# L. E. CONNELL, Fayette, Ohio

HOLSTEINS "Milk production is an inherited ability. Good cows must be bred to good pure-bred bulls if progress in dairying is to be made". Extract U. S. Dept. of Agric. Bulletin.

7 Days 30.87. (Including a junior three a four yr. old.)
His Dam's Record { Butter 7 Days 3 Yrs. 14 Days } Milk 7 Days
Dams Dam { Butter 7 Days
Almost 30 lbs. { White 7 Days
About 4 white. Price low for this quality.

McPherson Farms Co., Howell, Mich.

# A Few Fine Bulls For Sale

Bigelows Holstein Farms, Breedsville, Mich.

OAK LEAF FARM

Herd Sire
Ypsiland Sir Pietertje De Kol
Registered Holstein cows & bull calves fine individuals cows as in calf satisfaction guaranteed.
E. H. Gearhart & Son, Marcellus, Mich., R. No. 4.

# WINWOOD HERD REGISTERED HOLSTEINS

Holton, Mich.

Reference: Old State Bank, Fremont, Mich.
Flint Maplecrest Boy sire in service
His sire is Maplecrest Korndyke Hengerveld, his 3
Nearest Dams each over 30 lbs. of butter in 1 days.
His dam and grand dam both made over 1222 lbs. of butter in 1 year. It is the yearly cow we are looking for to deliver the goods, Flint Maplecrest Boy's Damis Gluck Vasser Bell, 30.57 lbs. of butter in 7 days and 120 lbs. in 30 days. Her butter fat test is 5.27. This looks about right to the man who goes to the creamery. We have Bull Calves from 2 weeks to 8 months old for sale at dairy farmers' prices all out of A. R. O. Heifers. Writs & tell us the kind of a bull you want.

John H. Winn. (Inc.,) Holton, Mich.

REG. Holstein Bull Calf. The last one until winter a good one with A. R. O. backing. Write for pedigree and price. Elmer E. Smith, Redford, Mich.

dditional Stock Ads. on Page 570

Isn't it Strange? - But Dairy Dan's Wife had the Right Idea!

The Sharples Separator Co., West Chester, Pa.





But he couldn't turn that fixed-feed separator up to regulation speed. He lost a dime's worth of cream any-how—twice a day.



He hated to admit that this constant loss would have morethan paid for a modern separator which skims clean at any speed.



But one day he discovered a hole in the pocket of his 6-days-a-week suit — com-monly called overalls.



And he sure did give Maria an awful call-down for her carelessness.



She got peeved and showed him how he could mend his carelessness—by buying a SHARPLES SUCTION. SHARPLES SUCTED SEPARATOR.

# Markets.

#### **GRAINS AND SEEDS**

December 11, 1917. WHEAT.—The demand for wheat is well sustained and offerings find millers ready buyers. The trade in flour is active and very satisfactory. One year ago No. 2 red wheat was quoted locally at \$1.76 per bushel. Present Detroit quotations are: Cash No. 2 red \$2.17; No. 2 mixed \$2.15; No. 2 white \$2.15.

CORN.—While an embargo on the shipment of corn to eastern points has resulted in a general decline in values

shipment of corn to eastern points has resulted in a general decline in values over most of the corn belt, the situation is not so bad as it might have been had not the recent cold wave appeared. The zero weather not only improved conditions for keeping immature corn, but also stimulated buying. On Monday the Detroit prices were 1c lower for mived corn and unchanged lower for mixed corn and unchanged for yellow, while the Chicago market showed a fractional decline for futures and a break of 10@20c in cash sales. A year ago No. 3 corn sold in Detroit at 97½c per bushel. Last week's local quotations were: quotations were:

	No. 3	No. 3
	Mixed.	Yellow
Wednesday	2.03	2.08
Thursday	2.03	2.05
Friday	2.04	2.07
Saturday	2.04	2.07
Monday	2.03	2.07

OATS .- Although dealers have been expecting lower prices in this department, the small receipts from the producing sections and the demand from local millers and from eastern dealers have prevented any decline. At Chicago on Monday there were substantial advances made. One year ago stadard oats were quoted at 59c per bushel. Last week's Detroit quota-

		No. 3
	Standard.	White
Wednesday	781/2	771/2
Thursday	781/2	78
Friday	771/2	77
Saturday		761/2
Monday	77	761/2
RYE.—Market eas:	y and dul	1, with
price advanced durin		
No. 2 \$1.811/2 per bus	shel	

BEANS.—Cash beans declined 25c on Monday. There was a decrease in the demand which, however, is expected to be only temporary. Offerings of good stock are small. Cash beans are now quoted at \$12.50 per bushel. At Chicago the trade is steady, with the Michigan pea beans, hand-picked, quoted at \$14@14.50 per cwt., and fancy red kidneys at \$17.

SEEDS.—Prime red clover \$16.20; March \$16.10; alsike \$14.20; timothy \$3.65 per bushel.

# FLOUR AND FEEDS

FLOUR.—Jobbing lots in one-eighth paper sacks are selling on the Detroit market per 196 lbs., as follows: Best patent \$11.30@11.50; seconds \$10.85@11; straight \$10.50@10.75; spring patent \$11.35@11.60; rye flour \$11.10@11.20 per bbl.

FEED.—In 100-lb. sacks jobbing lots are: Bran \$42; standard middlings \$44; fine middlings \$46; cracked corn \$89; coarse corn meal \$77; corn and oat chop \$55@60 per ton.

HAY.—In carlots at Detroit: No. 1 timothy \$24.50@25; standard timothy \$23.50@24; No. 2 timothy \$22.50@23; light mixed \$23.50@24; No. 1 clover \$19@20 per ton.

\$19@20 per ton.
Pittsburgh.—No. 1 timothy \$27.50@
28; No. 2 timothy \$25.50@26; No. 1
light mixed \$26.50@27; No. 1 clover
mixed \$28.50@29.50; No. 1 clover
\$28.50@29.50 per ton.

### DAIRY PRODUCTS

slight advance 43@44c; fresh creamery extras 45@45½c per pound.

45½c per pound.

Chicago.—A firm feeling generally pervades the market. Creamery extras 47½c; extra firsts 45@46½c per lb; packing stock 31c.

CHEESE.—Michigan flats 23½c per lb; New York flats 25c; brick 24½c; long horns 26½c; Michigan daisies 24½c; Wisconsin double daisies 25; domestic Swiss 35@40c for prime to fancy; limburger 28@29c. burger 28@29c.

## POULTRY PRODUCTS

POULTRY.—(Live).—Poultry, especially chickens, firm. Best spring chickens 22@23c; hens 21@22c; ducks 25@26c; geese 20@21c; turkeys 20@23c.

Chicago.—(Live).—Demand fair and ers \$11.50@12; ewes \$11.25@11.50.
market steady. The Chicago Poultry
Board has ruled that poultry must not be fed at least twelve hours before

Calves.—Receipts 500, with market strong; tops \$16.50; grassers \$6@7. placing on the market for sale. Fowls 18@19c; spring chickens 19c; ducks 21c; geese 15@19c; turkeys, good 22c. (Dressed).—Fowls 19@21c; ducks, fancy 23@24c; geese 20c; turkeys 30c. EGGS.—Fresh eggs are firm. Fresh firsts 43@48c

Chicago.—Fresh eggs are him. Fresh firsts 43@48c.
Chicago.—Fresh eggs are holding firmly with prices 1@2c higher. Fresh Michigan firsts sell for 47@50c; ordinary firsts 43@46½c; miscellaneous lots, cases included 43@49c.

# FRUITS—VEGETABLES

POTATOES.—(Markets). — Twelve cars of potatoes were on the Detroit market Monday morning. No sales were reported for this week, but on Saturday round whites sacked brought \$2 per cwt. At Pittsburgh, Michigan round whites sacked are bringing \$2.10; at Indianapolis \$2@2.25; at Chicago \$1.90@2; at Columbus, Ohio, \$2.15@2.25.

Extremely cold weather over the important potato producing sections has practically prevented any movement of the product. At Grand Rapids round whites sacked were quoted at York state the same grade were \$2.30 @2.35; in Minnesota farmers are securing \$1.50 for bulk ungraded at side

tracks.

APPLES.—There were twelve cars of apples on the Detroit market Monday morning. Few early sales were made on account of the weather. Some York Imperials brought \$5.25 per bbl. Spies are held around \$7; Greenings \$6.25; Snows \$6.50.7. The New York market is strong for good stock, while the demand for inferior offerings is moderate. In Chicago the demand and movement is moderate, with market steady. Quotations to jobwith market steady. Quotations to jobbers in barrels are: Jonathans \$5@6.25; Ben Davis \$3.50@4.25; Greenings \$5.50@6.50; Spies \$5.25@6; Grimes at

ONIONS.—The movement of this product is comparatively small at present; jobbers are receiving \$3.75@4 per 100-lb. sack for yellows in Detroit. In New York the prices to jobbers are \$2.25@2.75, in Chicago 100-lb. sacks bring \$1.50@2, and 70-lb. sacks \$1@

CABBAGE.—The stores are paying \$1.25 per bushel for good cabbage in Detroit. In New York state producers are receiving \$33@35, while in Wisconsin the price ranges from \$21@28 per

While trading has been quiet this past week the same strength in prices prevails with dealers counting on advances rather than declines. Fleeces have changed hands in comparatively small quantities while pulled wools go practically as fast as they are produced. The range of prices for fleeces at ed. The range of prices for fleeces at Boston has been from 56@85c and for pulled wools \$1.15@1.85.

### **GRAND RAPIDS**

The movement of potatoes continues very light, with practically no demand. Some field frosted stock is reported. Carloads f. o. b. Grand Rapids, for the round whites, bulk per 100 lbs., quoted at \$1.80. Quotations to growers for tubers at loading stations in the state, practically unchanged from last week.

## LIVE STOCK

BUFFALO December 10, 1917.

BUTTER.—Market is firm with a light advance. Fresh creamery firsts 3@44c; fresh creamery extras 45@ 13; fair to good \$11@12; plain and coarse \$9.50@10; yearlings \$11.50@12; handy steers \$10.50@11.50; fair to good kinds \$9@10; handy steers and ervades the market. Creamery extras 47½c; extra firsts 45@46½c per be; packing stock 31c. ers \$8@9.50; light butcher steers \$7.75 @8.25; best fat cows \$8.50@9; butcher cows \$6@7; cutters \$5.25@5.50; can-ners \$4@5; fancy bulls \$8.50@9; butcher bulls \$7@8; common bulls \$6 @6.50; best feeders 900 to 1000 lbs, \$8.75@9; medium feeders \$7.75@8; light, common \$6@7; stockers \$6.75@ 7.25; best milkers and springers \$60

CHICAGO.

December 10, 1917.
Cattle, Hogs. Sheep.
Receipts today. 28,000 37,000 18,000
Same day 1916. 20,777 58,157 21,408
Last week..... 81,509 186,442 75,688
Same wk 1916. .68,420 297,275 104,836

Cars on railroads leading east were scarce today, and the prospect was prices for cattle would close lower, especially for the choicer class, for which there were no early bids. Otherwise, the morning market was called steady with fat butcher stock 10c or erwise, the morning market was called steady, with fat butcher stock 10c or more higher. Hogs advanced as much as 25c, with the top price \$17.65. Hogs marketed last week averaged 211 lbs. The small supply of lambs was well taken, with the best killers selling at \$16.85, an advance of 10c on the highest sale late last week. Some fat clipped lambs brought \$14.

Cattle receipts were moderate last week, and sales were largely 50c higher, with some transactions as much as 75c higher. The best time was the middle of the week, the greater part of the steers offered on Wednesday going at \$975@1460 and the week's best sales of prime beeves being at \$15@

ing at \$975@1460 and the week's best sales of prime beeves being at \$15@16.50. There was a lively and high market for fat butcher stock, with \$6.50@7.50 cows of the previous week looking 75c@\$1 higher. Cows sold at \$6.70@10.10 and heifers at \$6@12.50, while cutters went at \$6.10@6.65, canners at \$5.50@6 and bulls at \$6@11. Calves soared much higher under inadequate soared much higher under inadequate offerings, with the more select class of light vealers purchased for \$14@15 per cwt., and sales down to \$6.50@7.50 for the common the common terms of the steelers. cwt., and sales down to \$6.50@7.50 for the commoner heavy lots. The stocker and feeder branch of the market was fairly active most of the time, prices averaging 25@40c higher, with decreased offerings and buyers paying \$6.25@11, although not much trading was done higher than \$10. The future looks promising enough to encourage feeding cattle, although there promises to be enough beef to go around. During the latter part of the week a fair part of the advance in cattle prices disappeared under much larger receipts.

part of the advance in cattle prices disappeared under much larger receipts, many lots selling off as much as 25c.

Hogs continued in good general demany for still another week, and high prices were paid. Nothing has occurred to discourage hog feeders, and extremely high prices indefinitely are practically certain. Provisions are extremely active and unusually high in price. The week closed with hogs selling at \$16.40@17.35, comparing with \$16.15@17.35 a week earlier, while pigs sold at \$12.50@15.40, with feeding pigs taken at \$15.25@16. Prime heavy hogs sold highest, with prime light weights at \$17.20.

at \$17.20.

By recent action of the directors of the Chicago Board of Trade, no daily fluctuations in prices for any delivery of provisions beyond 50c per 100 lbs. of lard or ribs, or \$1 per barrel for mess pork from closing prices of the last previous close will be permitted. Also no purchases or sales of provisions shall be made for future delivery beyond six months ahead of the month ions shall be made for future delivery beyond six months ahead of the month current at time of such transaction. Trading in provisions either for current month or for future delivery for the purpose of unduly influencing values is forbidden. President Griffin states that this action was taken on the suggestion of the food administration

Lambs, yearlings, wethers and ewes continued to sell at extremely high prices during the past week, with a top for lambs at \$17, while prime feeding lambs sold as high as \$17.50. The best wethers brought \$13, comparing with \$9.50 a year ago, \$6.75 two years ago and \$5 five years ago. A year ago prime lambs at \$13 looked extremely high, and the top price was \$9.25 two years ago and \$8.25 five years ago. The Closing prices were: Lambs \$12.50@ 16.75; feeding lambs \$16.50@17.25; yearlings \$12@14.50; wethers \$11.40@ 12.90; ewes \$9@11.60; breeding ewes \$11@13.50; feeding ewes \$7@10; bucks \$7@9.25; goats \$5@8.75.

stockmen marketing cattle Many stockmen marketing cattle, hogs and sheep in the Chicago stock yards are greatly pleased with the minimum price fixed by the food administration bureau for packing hogs, and they agree that the farmers of the country as a class are determined to back the government by growing as much live stock as possible in order to feed our own people, our soldiers and sailors and our allies. Increased pork production in the state of Illinois was Many \$8.75@9; medium feeders \$7.75@8; production in the state of Illinois was light, common \$6@7; stockers \$6.75@ pledged the government of the United States in a resolution adopted at a meeting of 200 live stock feeders held in the University of Illinois a short time ago, There can be not the shadow of a doubt that the enormous world-with market 50c higher; top lambs at \$18.25@18.50; yearlings \$13@15; weth-



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Duroc Jersey Spring gilts and fall pigs either sex. E.D. HEYDENBERK, Wayland, Mich.

DURGOS for sale, 1 fall boar, 7 Spring boars, good breeding. Write for description and prices.
J. D. CRANE & SON, Plainwell, Mich.

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farrow. RUSH BROS., Romeo, Mich.

BOARS

O.

Big growthy fellows. The kind that pleases J. CARL JEWETT, Mason, Mich.

Chester Gilts bred for March farrow early lines. F. W. ALEXANDER, Vassar, Mich.



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CRANDELL and SON, Cass City, Mich.

O. I. C's. Service boars all sold, have some fine last espring gilts, and a nice lot of this fall pigs, not akin, good growthy stock. & mi. west of Depot. Cltiz. phone 124. Otto B. Schulze, Nashville, Mich.

O. I. C. & CHESTER WHITE SWINE. Strictly big type with quality. Have a choice lot of chars fit for early fall service. These boars will be co'd worth the money. Also have some fine gilts. so'd worth the money. Also have some fine gilts. I will ship C. O. D.
NEWMA'NS STOCK FARM. R. 1, Marlette, Mich.

O. I. C. Choice Spring boars and gilts out of prize on the bodied and Big Boned type. Write for photo and low prices. A. V. HATT, Grass Lake, Mich.

Additional Stock Ads. on Page 587

#### THIS IS THE FIRST EDITION.

The first edition is sent to those who have not expressed a desire for the latest markets. The late market edition will be sent on request at any

# DETROIT LIVE STOCK MARKET.

Thursday's Market. December 5, 1917.

December 5, 1917.

Cattle.

Receipts 3161. Canners and bulls are steady; other grades 15@25c lower than last week.

Best heavy

Best heavy steers \$10@11; best handy weight butcher steers \$8.50@
9.50; mixed steers and heifers \$7@
8.50; handy light butchers \$6.50@7; light butchers \$6.6.50; best cows \$7@
8; butcher cows \$6.25@6.75; common cows \$5.75@6; canners \$5.95.75; best heavy bulls \$7.50@8; bologna bulls \$6.50@7; stock bulls \$5.50@6.50; feeders \$7.50@8.50; stockers \$6@7.50; milkers and springers \$50@100.

Erwin, S. & J. sold Wolmer 5 stockers av 680 at \$7; to Bray 3 cows av 1023 at \$7, 5 do av 726 at \$6; to Sullivan P. Co. 2 do av 935 at \$7.50, 3 do av 857 at \$6.50; to Wolmer 4 stockers av 680 at \$7; to Bray 3 cows av 600 at \$7, 6 do av 583 at \$6; to Thompson 1 heifer wgh 780 at \$7, 5 steers av 810 at \$8, 10 do av 918 at \$9.50; to Mich. B. Co. 16 do av 875 at \$8.25, 1 bull wgh 1210 at \$7.75, 1 do wgh 1300 at \$7.50, 3 butchers av 727 at \$6.50; to Wolmer 4 stockers av 508 at \$5.50, 2 do xo 975 at \$6.50; to Wolmer 4 stockers av 508 at \$5.50, 2 do xo 975 at \$6.50; to Wolmer 4 stockers av 810 at \$8, 10 do av 918 at \$9.50; to Nagle P. Co. 10 steers av 1150 at \$7.50, 3 butchers av 727 at \$6.50; to Nagle P. Co. 10 steers av 1150 at \$7.50, 3 butchers av 727 at \$6.50; to Bray 7 do av 1060 at \$6; to Mich. B. Co. 10 butchers av 1065 at \$6.50, 3 do av 857 at \$7.50, 24 do av 710 at \$7.9 do av 722 at \$7; to Bray 8 canners av 915 at \$5.50, 19 do av 970 at \$6.50, 2 do av 1030 at \$7.50, 24 do av 710 at \$7.75, 15 do av 697 at \$5.50; to Bray 7 do av 1060 at \$6.50; to Newton P. Co. 2 do av 1185 at \$8.50, 7 cows av 1043 at \$6, 7 do av 945 at \$5.75; to Bresnahan & K. 12 steers av 926 at \$7.15, 3 do av 697 at \$5.75; to Newton P. Co. 2 do av 1185 at \$8.50, 7 cows av 1043 at \$6, 7 do av 945 at \$5.75; to Bresnahan & K. 12 steers av 926 at \$5.75; to Mich. B. Co. 5 butchers av 1064 at \$10, 3 cows av 1043 at \$6, 70 av 945 at \$6.50, 1 bull wgh 1600 at \$6.50; to Mich. B. Co. 1 do wgh 1900 at \$6.50; to Mich. B. Co. 1 do wgh 1900 at \$6.50; to Mich. B. Co. 1 do wgh 1900 at \$6.50; to Mich. B. Co. 1 do wgh 1900 at \$6.50; to Mich. B. Co. 1 do wgh 1120 at \$6.50; to Mich. B

4 cows av 1000 at \$6; to Gilbert 1 do wgh 1270 at \$7.

Veal Calves.

Veal Calves.

Receipts 658. Market strong on good and common dull. Best \$14; common \$10@11; heavy \$6@8.

Sandel, S., B. & G. sold Goodgold 6 av 250 at \$7.50; to Nagle P. Co. 7 av 180 at \$13.50, 3 av 145 at \$13, 2 av 245 at \$10; to Sullivan P. Co. 11 av 165 at \$14, 4 av 145 at \$11, 2 av 130 at \$9; to Hammond. S. & Co. 4 av 125 at \$13, 18 av 145 at \$13.75, 2 av 165 at \$10.50, 3 av 130 at \$11, 8 av 140 at \$14; to Nagle P. Co. 3 av 190 at \$14.25; to Goodgold 3 av 150 at \$9, 5 av 155 at \$11.

Sheep and Lambs.

Sheep and Lambs.

Sheep and Lambs.

Receipts 4872. Market strong to 25c higher. Best lambs \$16.90@17; fair lambs \$15.75@16; light to common do \$14@15; fair to good sheep \$9@10; culls and common \$6@7.50.

Bishop, B. & H. sold Nagle P. Co. 42 sheep av 98 at \$8, 7 do av 125 at \$9, 4 do av 125 at \$10, 173 lambs av 82 at \$16.65, 79 do av 70 at \$16.50, 12 do av 98 at \$16.50, 120 do av 90 at \$16.75, 77 do av 75 at \$16.50, 6 do av 75 at \$16; to Hammond, S. & Co. 68 do av 73 at \$16.60; to Sullivan P. Co. 15 do av 55 at \$15.25, 49 do av 60 at \$16, 35 yearlings av 95 at \$14.50, 8 sheep av 80 at \$16.75, 186 do av 80 at \$16.50, 28 do av 75 at \$16.75; to Hammond, S. & Co. 62 do av 76 at \$16.75; to Hammond, S. & Co. 62 do av 76 at \$16.75; to Nagle P. Co. 137 do av 70 at \$16.75.

Hogs.
Receipts 7231. Market steady. Mixed grades \$16.50@17; few heavy at \$17.25; pigs all sold at \$15.25.

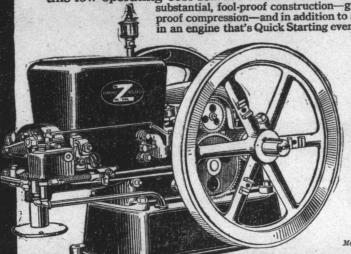
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W. E. LIVINGSTON. Parma, Mich.

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Gilts ready to ship. come and see them. Free lively from Augusta, W. J. Hagelshaw, Augusta, Mich.

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gan Farmer.

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Percheron Stallion. 3 year old beautiful style and high bred, registered. For sale.

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