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I Am Resolved

Ghat down through the doys of the coming year.
Go add just a bit to my fellows cheer.
Go brighten some path ere the months are spent,
Go lighten a load for a back that's bent,
Or haply by word or token or deed
Give courage and strength to a soul in need.
I'll count it worth while it only I may
Hold a tiny light o'er a gloomy way.

Gwould be fine to stand midst the surging throng And out of ones heart pour a wondrous song That would move the world to nobler plain And lighten the hearts that are filled with pain, That would throll mankind with its tyric sweet And lead men neaver the Savior's feet—

Yet 'twill be worth while if a few may say I've helped a little to brighten their way.

The Michigan Farmer The Lawrence Publishing Co. Editors and Proprietors Detroit, Michigan Congress St. West, Detr TELEPHONE MAIN 4525. YORK OFFICE—381 Fourth Ave. AGO OFFICE—111 W. Washington Street. YELAND OFFICE—1011-1015 Oregon Ave., N.E. ADELPHIA OFFICE—261-263 South Third St. LAWRENCE President NANCE Vice-President LAWRENCE Treas CUNNINGHAM Secy R. WATERBURY URT WERMUTH RANK A. WILKEN LITA LAWSON LITTELL EROY W. SNELL 7. MILTON KELLY I. R. WATERBURY..... Business Manager TERMS OF SUBSCRIPTION: All sent postpaid. Canadian subcription 53c a year extra for postage.

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DETROIT, DECEMBER 21, 1918



CURRENT COMMENT

A Happy & Prosperous New Year

THIS old and familiar holiday greet-

present—and we hope forever—re- on the potato grading proposition and moved, the people of the whole world that the tolerance is to be increased to have before them an opportunity for six per cent, but in order to make the the pursuit of happiness which has not grading compulsory it is going to rebeen vouchsafed to many of them since quire special legislation for the stanthe great struggle between autocracy dardization of fruits and vegetables. A and democracy was started more than bill authorizing the establishment of four years ago.

country are concerned, a new era of duced in the house of representatives prosperity seems certain to accompany by Congressman Lever, chairman of their renewed opportunity for increas- the agricultural committee. The act ed happiness. For the farmers of the is to be known as "United States Fruit as well as a happy year is in prospect, and we wish each and every one of them the full measure of happiness and prosperity to which the success of the great cause of democracy in the strugcountry and of Michigan a prosperous and Vegetable Standard Act." great cause of democracy in the strug- tween shippers and receivers, without gle which they have so loyally support- the cases awaiting for weeks or months sion were that certain of the packing ed and aided during the past year has in the courts, it would prove of great interests entered into a pool in June, so fully entitled them.

State Police Activities by the State War Pre-

paredness Board was a new experiment so far as Michigan was concerned. The recent report of Colonel Vandercook, in command of this state police force, seems to indicate that the been in operation for some time.

victions secured in 1,776 cases. A sum- the farm labor shortage to some extent portance. mary of these arrests and convictions but the wage scale will remain high, show that they covered some forty-four and the tendency of men to seek percrimes ranging from simple larceny to manent situations may be expected to highway robbery. The largest number continue. Thus the difficulty of secur- the department of justice in courts of of arrests were for draft evasion, and ing transient labor for the summer seathe next largest for violation of the son or for special requirements will state prohibition law. For the latter doubtless continue to be marked.

sula state line.

This record would seem to be suffi- at a high level. cient to warrant a continuation of this organization, especially in view of the difficulties in adequately enforcing the prohibition law of the state.

How Peace Affects Marketing I N accordance with adjustment the policy of relations to a peace basis as soon as condi-

tors of fresh fruits and vegetables may be. As business again gets back the signing of peace. The food control and in spots. act still governs and it is still unlawful food commodities.

arising between shippers and receivers a very appreciable degree. of perishable food products. This will necessitate shippers who make use of the Bureau of Markets inspection service to take their cases to the courts The Packers the charges of the where the certificates issued by the Bureau will stand as prima facie evidence of the condition of the shipment at the time the inspection was made.

The canceling of the Food Adminising this year carries tration's regulations regarding fruits with it a hitherto un- and vegetables leaves the matter of wonted significance. potato grading voluntary rather than With the cause of compulsory from this time. We underworld-wide sorrow and suffering for the stand that the Bureau is working hard dardization of fruits and vegetables. A bill authorizing the establishment of uniform standards and classification of these products has already been introductry are concerned, a new era of congressment. Lever chairment of standards and classification of these products has already been introduced in the house of representatives all action.

> THE policing of the all along the line in handling perish. States and Europe, and that the evistate by the state able food products and if this service dence showed a determination on the constabulary provided could be given it would prove a most part of the packers to control retail lines. by law and maintain- popular and welcome move on the part prices of meats, as well as the price of ed as a war measure of the Bureau of Markets.

> > The Farm Labor Problem

crime 1,102 arrests were made and Each year it is becoming more ap-tion or establishment of adequate con-1,064 convictions secured. A total of parent that the farmer who must have trol which will protect the public in-17,229 gallons of liquor were seized by one or more season hands will find it terest against unfair price control members of the state police acting as to his advantage to provide a comfort- which might be exercised by a border guards. The greater propor able tenant house for each man and so group of interests controlling such a collected on the southern state line men through the year. Such provision staple line of food stuffs. There have since the state prohibition law went will go far toward solving the labor already been sufficient and more alle-

> Price and Wage Re-

stuffs, some price re-

be an upward tendency, or a downward ing live stock products. tions warrant, the tendency in the wage scale in the inspecial regulations governing distribu- dustries affected, or both, as the case have been repealed, effective Decem- on a peace basis a general reduction ber 10. The Food Administration is in prices may be expected as war inanxious that the repeal of these regu- flation is overcome. But once the eflations should not be considered by the fect of direct price control has been trade as a relaxing of all control be- neutralized, such changes will be gradtween the time of the armistice and ual and general, rather than sudden

And the more gradual and natural to hoard food commodities or to en- the readjustment of wage scales the by gage in any unfair or wasteful prac- better for all concerned. A continued tice, or to make any unreasonable high standard of living for all our peochange in connection with the sale of ple is essential to continued prosperity. Sudden changes which tend to lower The Food Administration will no the standard of living of any class of longer make adjustments of difficulties our citizens, affect all other classes to

and the

A MASS of evidence intended to prove Federal Trade Com-Government mission that the five big packing interests

are in a gigantic combine to control the meat industry of this country and British ships in preserving order. South America, submitted to the President by the chairman of the commission, was made public on Saturday last. The conclusions of the commission which the evidence submitted were intended to substantiate were reported as follows:

"The five big packers are in agreement for the division of live stock pur-

"Swift, Armour, Morris and Wilson control shipments of meats from South America to the United States and other countries."

benefit to all parties interested in the 1914, for the control of shipments of transaction. Quick action is needed South American meats to the United live stock by a division of purchases of the 86.4 per cent of all the meat ani-T HOSE farmers mals sold in this country which the activities of Michigan's initial police confronted with a perefforts have been quite as successful plexing problem, which has been made since the establishment of federal conas those of the renowned constabulary still more difficult by the withdrawal trol of these interests as a war measof Pennsylvania where the system has of men to satisfy the man power rethat the submission of this evidence campaign quirements of the country at war. The that the submission of this evidence campaign. This report shows that 2,937 arrests rapid demobilization of the major por- at the present time points toward a rewere made by the state police and con- tion of the army will doubtless relieve construction problem of the first im-

tion of this large amount of liquor was arrange his campaign as to employ the large percentage of an important and into effect, and a relatively smaller pro- problem for many Michigan farmers, gations and denials with regard to the portion was taken on the upper penin- and increase the opportunity for prof- conduct of the great packing interests itable production while food prices are of the country. It is an opportune time for the sifting of all the evidence and the establishment of all determinable WITH the gradual facts with regard to the marketing of release of gov- live stock and the distribution of live ernment control on stock products, and for the establishmaterials and food- ment of a national policy which will adequately protect the interests of adjustments may be both the producers and consumers storing war-time regu- expected. Where control has held com- without injustice to the legitimate busmodity prices down there is likely to iness of manufacturing and distribut-

News of the Week

Wednesday, December 18.

THE Holland government is making plans for the return of former emperor of Germany to Berlin.—Wilson is reported as standing for the admission of Germany to proposed Lague of nations on the probationary plan.—Freuch suffragists are asking for the right to vote.—The American fleet returning from Europe will be reviewed right to vote.—The American fleet returning from Europe will be reviewed by Secretary Daniels Christmas Day.
—Dr. James W. Inches is appointed

Thursday, December 19.

PRESIDENT WILSON plans to hold conference with Lloyd George during the coming week.—America is urged to use her financial position to force desired town in the coming peace desired terms in the coming peace conference.—United States delegates are agreed to ask that German battle ships be destroyed in order to avoid contention among the Allies.—Toronto is threatened with a city-wide strike, following the walk-out of four hundred union members of the police force.— The United States House of Representatives O. K.'s war contracts aggregating \$1,675,000,000.—American warships are ordered to the Baltic Sea to aid

Friday, December 20. A CONFERENCE of representatives from all German states is called for the purpose of electing a president.
—It is announced that food control by —It is announced that food control by the government will cease January 1, except to prevent profiteering in food distribution. — United States Senate amends the second-class postal rate by reducing charges to one and a half cents per pound maximum.—There are still 66,892 casualties, of which only 1,680 are on the death list of the American expeditionary—forces that remain unpublished.—President Wilson plans to return to America the first to return to America the first plans eek in February.

Saturday, December 21.

OVER 300,000 soldiers have already been discharged from the Ameri can army.—A new world's endurance record was established by a dirigible balloon of the United States navy, which remained in the air thirty-two hours.—The British fleet plans a world trip in which the United States will be visited.—During the day 3,220 American soldiers from the western front, among whom many are Michigan boys, arrive in New York.—Attorney-general of Michigan holds that the state cannot legally contract debts to build or maintain roads, hence the state highway commissioner favors the is-suing of \$20,000,000 of bonds for constructing connecting links

Sunday, December 22.

'HE date for the general conference to elect a president for Germany been set for December 29.—The THOSE farmers mals sold in this country which the united States Senate adopts all features of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in petroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit; it is propelled by three Lines of the 1920 tax bill.—What is believed to be the largest bombing plane in the world is now being completed in Detroit. son have long been whether or not this evidence relates to erty motors and has a plane spread of confronted with a per- the operation of the packing interests 185 feet.—The deportation of Jews

Monday, December 23.

construction problem of the first importance.

The facts, relating to which this evidence has been collected and submitted, should be definitely established by the department of justice in courts of competent jurisdiction as a matter of public interest as well as a guide to congress in providing for the continua-

Holding Small Growers in Line

RGANIZING a growers' association is one thing, but operating it harmoniously is quite another. There are numerous books and government bulletins that tell just how successful associations have been started and give their by-laws and figures of earnnigs. But the plain commonsense of management, the knack of dealing with human nature, inside poltics and outside dangers, are not in the books and bulletins. These must be sought among men of experience in handling such organizations.

The first step toward creating a cooperative feeling in a selling organization and holding the small growers in line is that of encouraging them to attend all meetings and feel that they are a part of the selling organization. and a program of speaking or demon-points. Meetings along such lines may The association should not be run by a few members who are attempting to dominate its policy and management, while the majority of the members stay at home. Such a policy so disors, ignoring their association.



stration may be offered in its place.

meet and listen to experts in their par- there is an association, and womenlearn about the latest developments in just as much as members. Such routine business may very well they appear in person and tell how ident, or the secretary, or the leading successful working in an associationbe abbreviated, or even done by mail, matters appear from various stand- grower in the locality, or a group of and that is real cooperation.

be held several times a year just as Members value the opportunity to easily as once in most sections where

officers and directors. The organization must have a policy and a purpose. It must be going somewhere, and the whole membership must know where it is going, and how, and why, and be enlisted in the work of getting there.

An association bulletin is an excellent device for holding members in line, especially during the marketing season. At that time the affairs of the association are live news, and full, frequent information sent to the members will prevent manipulation by out-

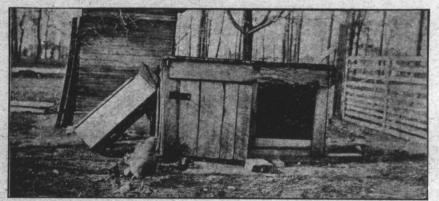
The best way to deal with cliques and discords is to keep a sharp watch for them, and to deal with them when they are young. Most of the disrupting influences in association affairs are due to misunderstanding, suspicion and personal feelings. If allowed to grow they will surely lead to internal strife and party politics, laying the asticular fields of agriculture, and to folks and outsiders will enjoy them sociation open to attack from outside. But if the management is alert, making gusts many members that they sell the growing end. They are also inter- Most of the troubles of a growers' the true facts known and letting all their produce to independent operat- ested in the different men connected association are due to lack of interest the men concerned be heard, these with the marketing of their produce, and understanding among members. cliques and discords can be checked. Much can be done to prevent this such as commission men, brokers, f. Every successful association is oper- An intelligent policy, laid out by the lack of interest by making all the o. b. buyers and the retail merchant. ated in a way that keeps members in- management and backed up with full meetings attractive to members. The These men can tell them things worth formed about its affairs and enthusias- information, brings out the enthusiasm annual business meeting, for hearing while in their own business, and very tice in promoting them. Somebody of members. It gives that good balof reports and election of new officers, often the difficulties and misunder- always has to run the live association. ance between membership and manis hardly enough to keep interest alive. standings of marketing disappear when It may be a paid manager, or the pres- agement that leads to harmonious,

Some Farm Flock Experience

HE farmer who attempts to increase his poultry flock in accordance with requests of the food administration will most likely find it necessary to increase the capacity of his house or build some new This will be necessary even where but one hundred hens are kept and this number will probably be about the limit on most farms. In fact, it is not the wish of the department that poultry production be made an exclusive or even extensive department of the farm work and if the average is raised to the number stated great good will have been accomplished and the poultry and egg industry put upon a firm basis as a food supply.

In most of my visits to farm plants, and in fact it is my experience on our own place, the tendency is to overin a given space and to economize on buildings. Lately we have been allowthe house easier cleaned.

By W. C. Smith



This Brood Coop Gives us Excellent Satisfaction.

crowd. We try to keep too many hens batten the cracks. The roof is a good to their permanent quarters in time grade of prepared roofing and later to begin laying in November or early when we are more able a better grade in December. About one-half of our ing at least five square feet of floor of siding will be put on. We use the layers are yearling hens and occasionspace to each of our Rocks and Orp- open-front house exclusively and use ally a two-year-old hen is held over for membered that convenience counts for ingtons and results are much better, a curtain in stormy weather or when the breeding pen.

much. The handy house saves much the house which is shown in the illusit is extremely cold. Last winter we We keep our layers confined to the time and when one is caring for a huntration holds sixty hens. It is 12x24 seldom had this curtain down and got houses throughout the winter but in dred or so hens in addition to the othfeet and has droppings boards and eggs all winter. Our chicks are brood- summer they have the run of the er farm work this is of importance. platforms for mash hoppers, drinking ed in coops that admit plenty of fresh meadow or corn field. Breeders have Our experience of the last ten years vessels, etc. This allows the entire air and later when they have passed free range in the spring as soon as the has taught us that a house does not floor to be used by the hens and makes the brooder stage go into open-front snow goes off the ground. We have need to be expensive but it does need These houses are built of cheap ma- stock of old hens as soon as the egg year-old cock birds with yearling hens admit plenty of fresh air but have no terial. The frame material was cut on yield drops off in the early summer and well-matured pullets although a drafts, it should admit as much sumthe farm and taken to a mill where it and this gives us room for the pullets. good many breeders say that two-year- light as possible without making the was sawed. The siding is rough lum- They go into the laying houses by the old birds have passed their usefulness. house too cold, and it should be dry.

ber and roofing paper and was used to first of September and get accustomed Hens are used for hatching to some

extent but incubators are depended upon for the majority of the chicks for, as we hatch in March and early in April the supply of setting hens is not large enough.

We also use a very cheaply constructed brood coop for our hen-hatched chicks. It is a light frame covered with roofing paper and netting. Such coops cost less than \$1.00 each and will last for years if stored in the winter. We build these coops A-shaped, like the illustration. They are thirty inches wide at the bottom and about four feet long. This gives the chicks the opportunity to exercise when it is necessary to keep them shut in. The coop is very light and can be easily moved from one place to another. The floor is simply a small platform and is not fastened to the coop. Their cheapness, durability and the ease with which they can be cleaned are their chief recommendations.

In building houses it should be recolony houses. We aim to sell our had best results in using one and two- to meet certain requirements. It should

(Continued on page 626).







A Warm House that Holds Sixty Layers.

Happy Hens Lay Eggs.

An Inexpensive Brood Coop.

Fruit and Vegetable Standard Act

and vegetables.

of the establishment of any such stan- ing such shipment or delivery for ship- require the payment of a reasonable spector licensed under this Act, or dard, or of any change therein, but ment be not by grade, the statement of fee. Any such license may be suspend- falsely to represent himself to be such such notice of the establishment of a the grade may be omitted, in which ed or revoked by the Secretary of Ag- licensed inspector, or for any inspector standard shall be issued not less than case there shall be plainly shown in riculture whenever he is satisfied, after licensed under this Act knowingly to one year before the effective date or in connection with such marks, opportunity afforded to the licensee for issue any false certificate of grade, or thereof. Before issuing any such pub- brands, tags or labels, without the use a hearing, that such licensee is incom- to accept money or other consideration lic notice of the establishment of a of terms which are false or misleading petent, or has knowingly or carelessly directly or indirectly for any neglect standard and before making any or so similar to the grade designations graded any such fruits or vegetables or improper performance of duty under change in a standard so established, in the official standards as to be con- improperly or according to grades this Act, or, when purporting to act as the Secretary of Agriculture, by such fused therewith, that no representation within the scope of such standards oth- such licensed inspector, to grade or means as he shall find appropriate for as to the grade is made. It is provided er than the grades of such standards, certificate the grade of any fruits or the purpose, shall afford an opportu- that the foregoing requirements of this or has issued any false certificate of vegetables in which he is directly or nity to the interested public for consul- section shall apply only to closed pack- grade, or has accepted any money or indirectly financially interested. Any tation or hearing.

of such standard unless such grade Agriculture. be one of the grades of such standard. in any way refer to such fruit or vegetables grown by such producer."

in or in connection with transactions terially to misrepresent the entire shall be received in all courts of the and with associations of producers."

classifications of fruits and vegetables standard for any fruit or vegetable retary of Agriculture may, in his distance. which was introduced in congress last shall become effective under this Act, cretion, upon presentation of satisfacthe Secretary of Agriculture authority after shall, pursuant to or in contemperson a license to inspect any fruit prescribe such regulations as he may to investigate the harvesting, inspec- plation of any transaction, ship or de- or vegetable for which standards shall deem necessary from time to time for tion, grading, packing, transportation, liver for shipment in commerce any be effective under this Act, and to cer- the efficient execution of the provisstoring, labeling, marketing and utiliz- such fruit or vegetable in a closed tificate the grade thereof in accord- ions of this Act." ation of fruits and vegetables and from package, unless such closed package ance with such standards, subject to Section 10 provides: "That it shall time to time, to establish standards of be marked, branded, tagged, or labeled such regulations as the Secretary of be unlawful for any person forcibly to classification according to grade, which so as to plainly and conspicuously Agriculture may prescribe for the purassault, resist, impede or interfere with shall be known as the official standards show the name and address of the pro- poses of this Act. For the issuance of any officer, agent, or employee of the of the United States for such fruits ducer, packer or distributor, and the such license the Secretary of Agricul- United States in the execution of any The Secretary of Agriculture, by the official standards of the United States; this Act. For the issuance of such li this Act, or improperly to influence or bill is directed to give public notice except that, if the transaction involvecense the Secretary of Agriculture may attempt improperly to influence any in-Section 4 provides: "Whenever any Agriculture shall in his regulations rectly for any neglect or improper per- vision of this section, or of sections standard for any fruit or vegetable under this Act find it commercially formance of duty, or has violated any four, five or six of this Act, shall upon shall become effective under this Act practical to mark, brand, tag or label provision of this Act or of the regula- conviction thereof, be fined not more no person thereafter shall make or in accordance with this section. The tions prescribed hereunder. Pending than \$1,000, or imprisonment not more enter into any transaction, involving marketing, branding, tagging, or label- investigation the Secretary of Agricul- than one year, or both." the shipment or delivery for shipment ing required by this section shall be in ture, whenever he deems necessary, of such fruit or vegetable in com- accordance with regulations prescribed may suspend a license temporarily hereby appropriated out of any monmerce, by a grade within the scope for the purpose by the Secretary of without hearing.

the grades of the official standards terior or the unexposed portion as ma- agents of the Secretary of Agriculture, ty, municipal or marketing agencies,

No person shall in any invoice, bill of 5 shall not apply in the case of any investigate and certify to shippers and effect the provisions of this Act, inlading, other document, or any mark, transaction made or entered into di- other interested parties, upon applica- cluding the payment of such rent, the brand, tag or label involving or in- rectly and exclusively between the in- tion, upon appeal from determinations expense of such printing and publicavolved in a shipment or delivery for dividual producer and the individual inspectors licensed under this Act, or tions, the purchase of such supplies shipment in commerce, describe or consumer with respect to fruits and upon his own motion the quality or and equipment, and the employment of condition of fruits and vegetables, un- such persons and means in the District vegetable as being of a grade within Section 6 provides: "That no person der such regulations as he may pre- of Columbia and elsewhere, as the Secthe scope of such standard unless shall ship or deliver for shipment in scribe, and he is authorized to require retary of Agriculture may deem necessuch grade be one of the grades of commerce any lot or parcel of fruits or the payment of such fees as will be sary. In carrying out the provisions vegetables which in the outer layer or reasonable for the service rendered of this Act the Secretary of Agricul-It is provided that nothing in this the exposed surface are so superior in upon any such application or appeal, ture may cooperate with other branch-Act shall require any person to use quality or condition to those in the in- Such certificates, issued by authorized es of the government, with state, coun-

THE bill authorizing the establish- according to variety of product only. contents of the container."

United States as prima facie evidence ment of uniform standards and Section 5 provides. "Wherever any Section 7 provides: "That the Sec- of the truth of the findings therein con-

Section 9 provides: "That the Secweek by Representative Lever, gives it is provided that no person there- tory proof of competency, issue to any retary of Agriculture is authorized to

> grade of its contents, according to the ture may prescribe for the purposes of duty authorized to be performed under ages of a kind which the Secretary of other consideration directly or indi- person who wilfully violates any pro-

Section 11 provides: "That there is eys in the treasury not otherwise apgriculture.

Section 8 provides That the Sec-propriated the sum of \$250,000 availa"The requirements of Section 4 and retary of Agriculture is authorized to ble until expended, for carrying into

ews of the Agricultural World

BEE-KEEPERS PLANNING TO SPEED "BUSY BEE."

busy bee a more profitable wage earn- with satisfaction to all parties con- ing agriculture, manual training and er for her keepers will be discussed cerned. from February 24 to March 2 at the Michigan Agricultural College. The A WELL-EQUIPPED SECRETARY. and to their homes and intended to shipments. Garden pea seed leads the tend a week's conference at M. A. C. JOHN A. DOELLE, secretary and rounding community. After six years with 2,713,101 pounds for the year endat that time, during which the honey business manager of the War Inmation.

would not make any more adjustments lic speakers. between shippers and receivers or vice versa. This naturally is a very import- which was too small for a family with ant order. The federal boards an over eight boys and girls, his education was will meet a much larger foreign de- every line, England, though handicapthe country have done remarkably mainly obtained in the school of hard mand for their product during the year ped for workers, has reached the point good work in handling complaints of knocks. Handicapped in his boyhood ending July 1, 1919, than they had dur- where she raises four-fifths of her food. shippers against receivers and also by the inefficiency of the little red ing the previous year, according to fig- Brave little nation. The women care complaints of receivers against unfair schoolhouse, his greatest ambition has ures given out by the Seed Reporting for and shear the sheep over there. shippers. While the board has tried to been to secure a better system of rur- service. Prompted by great interest They say our women can't. What hold strictly to the rule that it would al schools and obtain for the boys and shown by the producers, figures have nonsense!

business will be studied and demon- dustries Board which comprises the ing public opinion, he succeeded in es- for beet seed, shows an increase of alstrations of better keeping methods upper peninsula, has been appointed tablishing the Otter Lake Agricultural most 150,000 pounds, while carrot seed conducted. A card to the director of secretary and manager of the Upper School, the first of its kind in Michi- shows a gain of more than 400,000 short courses, M. A. C., East Lansing, Peninsula Development Bureau. Until gan and its beneficent effect upon the pounds. Lettuce, onion seed, parsnip Mich., will bring more detailed infor- a few months ago, Mr. Doelle has been surrounding community has been far and radish seed are other items of the superintendent of the Houghton and greater than he anticipated. Portage township schools, a position Raised on a Michigan farm and in FOOD ADMINISTRATION NOT TO which he held for fifteen years. Dur- sympathy with the needs of rural com-THE New York Federal Food Board gressiveness and his ability as an or-should stimulate the bureau's work island known as England and Scot-received word this week from the ganizer. He has been a forceful explaint and stimulate the bureau's work island known as England and Scotreceived word this week from the ganizer. He has been a forceful ex- along broader lines of agricultural de- land has always been noted for "inten-United States Food Administration ponent of American citizenship and as velopment. that beginning with December 12, such has been in demand for a numwhich was on Thursday, the board ber of years as one of the leading pub-

M EASURES for speeding up and through the civil courts, at the same he outlined a plan for a consolidated parisons with the totals of each of the otherwise making the already time it has adjusted many differences much cabbol fully conjugate for the conjugate for t otherwise making the already time it has adjusted many differences rural school fully equipped for teach- two previous years.

as an educator he be- munities, Mr. Doelle is thus well equipcame noted for his hard work, his ag- ped for his work and his influence

DEMAND FOR SEEDS.

not be used as a collection agency nor girls on the farm, a practical training been compiled showing the total shipcould it be used for the purpose of for country life within their own ments contemplated on orders received disputes that should go neighborhood. Over twelve years ago, up to September 15, 1918, with com-

Every one of the eight principal home economics; provided with trans- items chosen shows a large increase portation facilities for the pupils from over last year in the contemplated serve as a social center for the sur- list with 4,150,000 pounds, as compared

WHAT THEY DID.

sified farming." Since the war they have "reclaimed 1,500,000 acres." Listen. England only raised one-fourth of the food consumed before the war. Born on a St. Clair county farm, GROWERS of commercial vegeta- With the greatest war in history and which was too small for a family with

WANTED---Lime at Less Cost

VERY farmer knows that if he can grow a good crop of clover or alfalfa he can grow almost any other crop he wants following it. In other words, a legume crop, such as the clovers and alfalfa, cleanses and replenishes the soil as nothing else does. It is Mother Nature's favorite method of soil burning. But Mother Nature finds peculiar difficulties to problem? Clover, alfalfa, and other tion to relieve the situation. The two quire the help of man.

or four good crops annually. It is the gumes made more universally possible, alkaline condition of the soil that is old lands will be reclaimed, new lands responsible. In the more or less arid will be developed, even portions of the cation to the land is almost prohibitive regions the alkaline salts have been accumulating for centuries and the bacteria of the alfalfa plant, as well as that of most clovers, flourish in the fields. These bacteria find a home sweet and congenial, and, like men, they can work hard where such home

conditions prevail. Michigan soils and most of the eastern soils have on account of the abundant rainfall in this region, been leeched of most of their soluble salts, including the lime. The lime has collected in lakes and swamps and other low places in the form of marl. It must be again incorporated with the soils if we expect them to do their full duty. The present acid condition is not conducive to the sweet-home-loving bacteria of the legumes. How to get this lime back at reasonable cost

is the problem that thousands of Michigan farmers are facing.

There are great limestone deposits throughout the state and enormous accumulations of marl. The cost of pine plains, and new homes will spring to the land owners of a large part of cumulations of marl. The cost of pine plains, and new nomes will spring to the taste, crushing the limestone fine enough for up to testify to the agricultural wealth the state, "Be it Resolved, that we, the country of the country o agricultural use and distributing it ov- of Michigan. The problem is an imer our transportation lines wherever portant one and for the sake of our funeeded is almost prohibitive as it is ture prosperity must be solved. being done at present in a limited way. Farmers could afford to pay the crush- agents held in the city of Cadillac, the ing costs if that were all; but the question came up for discussion. It freight charges bring the expense too was generally agreed that farmers

be scattered in lumpy form over the What shall we do? fields and when "air-dry" dragged and

An Adequate and Inexpensive Source of Lime is Essential to a Permanent Agriculture in Michigan

By M. E. DUCKLES, Grand Traverse County Agent

contend with in Michigan, which re- legumes are necessary crops in every resolutions are given here: successful rotation. Without them our

Resolution 1.



A Limestone Quarry in Northern Michigan.

At the recent conference of county would avail themselves quickly of the As for the marl, which is a most ex- lime if it could be obtained in quancellent form of lime for soil, many tity at lower rates, particularly in the beds are reasonably accessible and are northern counties. Last season nine now being utilized. The labor expense, carloads of crushed limestone were however, considering the wet, sticky purchased by the farmers of Grand condition in which this product is most- Traverse county at an average cost of ly found, is almost beyond reason. The \$4.25 a ton. This cost was too great, marl has to be dried and pulverized to but it shows that our farmers are now be easily spread and made effective as awake to the need of it. This year in an acid neutralizer. As yet there is no order to obtain the same product in satisfactory way of doing this. It may similar form it would cost \$5.25 a ton. lished in Michigan.

What, then, is the solution to the other requesting some form of legisla- ority Board. The text of the recom- sheep business would develop rapidly.

agents in conference assembled, rec-ommend that this matter be brought to the attention of the state legislature through the Extension Department of the Michigan Agricultural College, in cooperation with the Michigan Agri-cultural Development Association, with the view of securing suitable legisla-tion to enable farmers to obtain the needed lime at a price that will en-courage its universal use on the agricultural lands of Michigan.'
Resolution 2.

"Be it Resolved, that we, the county agents in conference assembled recommend to the various lime-producing companies that they provide for the sale of their product directly to farmers' cooperative associations, less the fee allowed to local agents, thereby recognizing the cooperative principle as economical and permanently established in Michigan."

The importance of lime as an agri-The Cadillac conference concluded cultural asset was recognized in a

mendation includes the following paragraph:

"We believe that hunger throughout the European countries is a thing to be greatly feared during the coming years, and the eastern half of the United States must do much in saving the situation. In a great part of this area production is hampered by soil acidity, which can be corrected only by plentiful use of lime. Meeting the lime deficiency of these soils should be our Chief among these difficulties is the farms are soon abandoned as is evigeneral acid condition of the soil. In denced by the hundreds and thousands that most of the farm lands of Michigan are in need of lime in order to produce satisfactory yields of clover the station and the immense yields of alfalfa. The plant tered over the station and continually and alfalfa, on which crops farmers in the station and the superince of thousands of practical must be superince of thousands of practical must be superince of thousands of practical must be superinced in the station and the superince of thousands of practical must be superinced in the superince of thousands of practical must be superinced in the superince of thousands of practical must be superinced in the superince of thousands of practical must be superinced in the superince of the superince of the superince of the superince of thousands of practical must be superinced in the superince of the s grows waist high and there are three increasing in number. With these leor four good crops annually. It is the gumes made more universally possible,

"Whose the grows waist high and there are three increasing in number. With these leproductive value of their soil, and soils will not produce the clovers unless lime is supplied. There has also been full demonstration of the fact, both by experiment station and repeated farm practice, that many staple crops can not profit rightly from applications of fertilizers until the lime requirement has been met. The prices of lime and limestone now are very high. They were advancing before the war on account of the newly created demand on the part of farmers, and now the high cost of labor and fuel has made further heavy increase. Inability to secure delivery by transportation lines, together with the great advance in the cost of material is limiting the liming of land in a serious degree.'

> It must be quite plain to any student of the present situation as regards soil fertility that something should be done at once to meet the increased demand for lime at lower cost. Any public funds appropriated for this purpose would be returned a hundred fold in newly created agricultural wealth.

USE OF LANDPLASTER.

I would like to ask a question about the landplaster that was used by the the landplaster that was used by the farmers of Michigan some thirty years ago. What was it composed of, and could a person get it now if they should want it? If so, where could they get it?

Kent Co. M. S.

Landplaster is used to some extent on soils as an amendment. It frees potassium and phosphorus from insoluble compounds, and is said to hasten the decomposition of organic matter, but it has no neutralizing effect and is not of much value. The other compounds of calcium have all these effects plus the neutralizing effect. You should be able to buy landplaster of dealers in spraying materials or insec-W. M. K. ticides.

The Georgia Land Owners' Associaharrowed to pieces; but experience its discussion by passing two resolu- striking way by the Agricultural Ad- tions are making "dog control" the first with results hardly justifies the prac- tions, one asking the lime companies visory Committee during its session in step in their sheep campaign. The tice. It requires years to completely now in operation to sell directly to Washington last August. As a result fact is, it should be the first step in mix it with the soil particles as it farmers' cooperative associations less of their recommendation lime was put every state now agitating for sheep. the fee usually allowed agents; the on the preferred list by the War Pri- With the proper control of dogs the



Opening Up a Mari Bed in Newaygo County.



Limed Soil Produces Heavy Clover Crops.



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ICE PLOWS

HANDY MAN to work in greenhouse and LEVANT COLE, 89 Wendell St. Battle Creek, Mich. Mention the Michigan Farmer when writing Advertisers



Live Topics for Fruit Men

ERE are reviews of papers and to the women of our country that we talks given to Michigan fruit must look to bring about these remeeting, for which space was lacking pare the world for the next generain last week's issue:

Federal Inspection Service.

Frank L. Bloom, Federal Inspector, United States Bureau of Markets, explained the workings of this service and urged growers and shippers to take advantage of it whenever necessary. "The inspection service," said Mr. Bloom, "is only one of the many things that the government is doing to solve the problem of shipping and marketing farm products. On account of the perishable nature of fruit products a quick inspection is one of the main factors. Our reports on diseases is valuable to both the growers and government authorities inasmuch as it helps in determining varieties and localities where disease is prevalent in crops. The Bureau of Markets stands in the center of a triangle made up of shipper, carrier and receiver so that when a car of your produce reaches the market you can find out just how it arrived. Such reports are also an aid in improving your methods of packing your fruit, loading the cars, refrigerating and heating and any questions you may ask will be answered. We can give you the temperature of the fruit, amount of bruises and so forth, in the

Mr. Morrow said: "I have listened to this discussion with a great deal of interest and I believe that the commission men are a whole lot more square than the shippers, and I say this after forty years' experience as a grower and shipper of fruit. A car has to be loaded right to ride to market in good shape and unless it is loaded right someone is going to be let down and it is not fair that the commission man should suffer from such careless loading on the part of the shipper or grower. Through one of my men neglecting to properly load one end of a car of fruit I shipped to the Detroit market, I lost more than three hundred dollars, and that was not the fault of the commission man."

Dr. U. P. Hedrick, Horticulturist, New York Agricultural Experiment Station, Geneva, New York, gave an interesting address on preparing and fertilizing orchard soils. The summary of this address will appear in a later issue of the Michigan Farmer.

Some Things for Women to Do.

Mrs. Caroline Bartlett-Crane, chairmittee, Council of National Defense, made a forceful address on Women's health regulations for rural homes," said Mrs. Crane, "are some of the problems in which the women of Michigan can do much to bring about needed reforms. In many villages and scholars been provided with proper addistrict rural nurses. Now all of these these countries."

ERE are reviews of papers and to the women of our country that we farmers at the recent Detroit forms. It is always our duty to pretions by adjusting social conditions and lifting us out of our present condition into a better one."

The Outlook for Fruit Growing.

Prof. H. J. Eustace, of M. A. C., who has spent more than a year at Washington with Mr. Hoover, gave many interesting observations on factors affecting the fruit industry. Mr. Eustace said: "There never has been a time when self-examination would do us more good; the labor problem surely was never as bad as last year and next year it bids fair to be better, but it is not at all possible that too much labor will be available, and I do not think it best that there should be. High prices this year are due to the high prices of labor. Men who sell fruit in some of our big industrial centers could hardly unload it fast enough and that is what has made prices. The fruit packers in New Jersey paid four dollars a day for any kind of labor. So in all our complaining about our labor shortage do not forget that it reflects back in the prices for fruit. When the laborers do not have money there are no good markets. The first thing a laboring man does when he gets good money is to fill up on good food, then jewelry and then quite work. They can make enough in four or five days to live on during the week.

One of the most conspicuous things that stands out in the fruit growing industry is the injury to trees last winter. All of this is extremely unfortunate to those who have lost fine orchards. There can be no question but that for some years the peach crop in northern localities is going to be light because the trees are killed. In southern New England in 1917 a crop of 223,000 bushels of peaches was harvested and last season hardly a bushel. In New Jersey, Pennsylvania and other localities the reductions were more than half. In Michigan and Ohio the reductions were still greater. This represents a tremendous loss and it means that there are likely to be good opportunities for peach growing. To the man who has good locations it would seem that now is a good time to put out peach orchards.

"The injury to apple orchards was severe, but the results cannot be so accurately shown in regard to apples as peaches, but injury is there just the same. Good crops of apples have been man, Michigan Division Woman's Com- marketed just the same and we have had no export trade. This, and higher freight rates, has worked harder on Work in National Defense. "Proper the coast growers than on those nearer markets. This also applies to all fruits such as pears, grapes, plums and other kinds of fruits. The constant urging of the food administration to use more fruit has tended to increase consumprural districts we find high schools and tion and this urging is to be continued grade schools where the sanitary con- until there will be many people who ditions are intolerable. Why should the have acquired the fruit eating habit children not have as good advantages that they will retain after normal conas those in the cities and why should ditions have returned. Many people we not encourage and foster the chil- who have found out the health-giving dren who show evidences of genius? properties of fruit are going to eat What would be the loss to the country more. During the past few years little and society had not some of our great fruit has been exported because ships have had to carry more condensed and vantages in the matter of schools. Let non-perishable products. If apples are us think about the great movement to again sold for export it is going to ward better health conditions in our make more room on our home marpublic schools, and keep it absolutely kets for apples from Michigan. Just free from politics. What a wonderful how much we can depend on the exthing it would be if we could use the port trade it is difficult to say because organization of war nurses who will of the poverty in European countries. soon be returning to this country for Fruit must have been neglected in

things are sure to come to us now that At the annual business meeting of we realize how many men have been the session the following officers were examined for our army and found phy- elected to work with those whose sically unfit. If we permit our babies terms held over: James Nichols, of to die faster than the soldiers who go South Haven, president; George Low, over the top we are neglecting to do Bangor, secretary; J. P. Munson, of the greatest benefit to posterity. It is Grand Rapids, treasurer.



Why the Dog?

der consideration at Washington.

dogs done that they should have more cost much' is a sorry, lame statement. rights than their owners?

now has recourse to breeding and rais- to make up by killing and crippling. ing the domesticated animals, the goats are concerned, he has become a fleas, rabies, and foot-and-mouth dis-

RECENT bulletin published by year, which means \$1,000,000,000 worth the Extension Department of the of food consumed right here in the International Harvester Com- United States by dogs; and furtherpany presents such a strong indictment more it is finished product (in most against the dog that we are reproduc- cases cooked food) that costs, fuel, laing it in full and urge that its careful bor and skill to produce. Yes, we know reading be followed by letters to con- much of it is scraps, but scraps are exgressmen requesting the addition of a cellent chicken feed and more than one federal tax on dogs to the bill now un- pig has grown into the family's meat supply by eating the scraps. Further-"Sheep or dogs-which? What have more, the old plea that 'my dog doesn't He may not cost you much, but re-"At the time when the woods and member he is getting his living some plains were inhabited by wild animals, place; that is one thing sure about the some useful as a source of food and dog. Unless he is chained to his kenclothing, and others a menace to his nel, someone is going to furnish his rasafety, man found the dog a most use- tions. Dog history is full of instances ful and dependable aid in the chase where the home-starved dog has killed or as a sentinel and defender. Thus \$100 worth of neighbors' sheep or raidoriginated a racial attachment that ed the neighbor's poultry yard. He continues to the present. But these may go on short meals for a while, but old-time conditions are changed. Man look out when his opportunity comes

"In a review of five thousand farmcow, the hog, the goat and the sheep ers in all parts of the United States, for a large part of his meat and cloth- all but eighteen have dogs as the ing supply. Regarding this combina- main reason for the scarcity of sheep. tion the dog has reversed his former The dog is a carrier of hog cholera, position until now, so far as sheep and stomach and tapeworms, lice, ticks,



One Severe Chasing by a Dog, and the Flock is Ruined.

menace and disadvantage where he ease. He brings contagious diseases was formerly a most efficient helper. home to the family. He runs at large, His value now is almost wholly senti- practically unrestrained, enjoying unmental on account of his past service. disputed rights and all for what? What does his past service as a helper give have more rights than his owner? All sufficient value to justify his ravages states have dog laws that if enforced of the flocks of sheep and goats which would lessen dog troubles, yet dog now are so necessary to man as a laws are in most cases dead laws. source of food and clothing?

"Since the sheep and the goat are producers of food and clothing, and the dog produces nothing, but on the other hand is a consumer of and a destroyer of one of the most important food real appreciation of the dog in favor of his more pressing need of meat and clothing, and substitute the sheep and the goat for the dog. There are about 30,000,000 dogs in the United States. Five years ago it was estimated and accepted as standard that a common dog ate \$34 worth of food yearly. This amount of money put into hog feed would keep a brood sow ten months. It is estimated that human food prices to the consumer have advanced sixtytwo per cent since 1913. We shall asstill have left 25,000,000 dogs at \$40 per come to their own."

The question to be decided now is, has the dog ever done that he should

"What is the remedy? First-enforce the laws already passed until better ones are enacted. Put the dog on the same legal status as sheep, hogs, horses and cattle. Take away sources, man must deny his sentiment- his right to run at large day or night. Compel every dog owner to keep his dog on his own premises or under his control when away from home. A dog, to be of any value to his owner, must be about his owner's business. How long would law or public opinion allow a 100-pound shote or a three-month-old calf to follow its owner to town, down the street, into the store, blacksmith shop, post office and on the way home gallop through the neighbor's fields, yards, sheep folds, and feedlots?

"Anyone has a right to own a dog, sume that the increase in food prices but no one has a moral right to mainwill increase the cost of keeping a dog tain a nuisance. Dog-proof fences are to \$50 a year. Granting that in some all right, but let the dog owner build cases the dog gets part of his living them. A fence that will keep dogs out from bones and scraps that might not will keep dogs in. Dog chains and be utilized in any way, and cutting muzzles are inexpensive. The use of down his feed bill by giving him the both can be prescribed by law. The advantage of every doubt, he still costs dog problem is not solved by license. a sum that takes on staggering propor- Licensing a dog, requiring the owner tions when we begin multiplying by to buy a collar for him or to pay a the number of dogs. Let us be liberal heavy tax on him, does not keep the with the dog beyond any favors yet dog from killing sheep or being a shown him in the accounting of his worthless cur. Require the dog owner board bill. Say he eats \$40 worth per to be responsible for the whereabouts year. Grant that 5,000,000 of the 30,- of his dog. Back this requirement with 000,000 are pups and small dogs that public sentiment and officers with eat less than the ordinary dog. We backbone not of gristle, and sheep will

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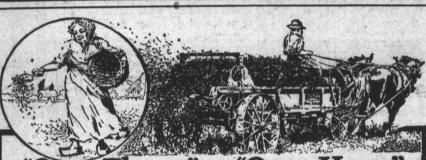
Last year we exported 11,820,000 tons of food stuff to Europe, and Mr. HOOVER estimates that we will be called upon for at least 20,000,000 tons the coming year.

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LEARN AUCTIONEERING

GETTING MANURE TO FIELD

WHERE only a small amount of manure is made it can be gotten to the fields in winter on a sled. Make a box two and a half or three feet high to fit the stoneboat or "toad."



Being low down, the manure may be spread directly from the box with no waste of time or effort. The same advantage applies in loading at the sta-

SIMPLE HANGER FOR BARN TOOLS.

A LL the tools used about the barn should be hung up. The sketch shows a very easily made hanger for forks, shovels, etc. The piece (A) may be screwed to the side of the barn or fastened to another board, and

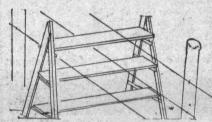


Hang the Tools Fork End Upwards.

hooks put in this second board and the whole can then be hung up by means of the hooks. Simply bore a hole (X) and saw into it as shown. The handle of the tool slips readily into the hole (X). Make as many holes as there are tools to be held. Hang the tools with the shovel or fork end upwards.-G. P.

ARRANGEMENT TO CLIMB FENCES EASILY.

THE sketch shows how to make an arrangement to easily climb fen-It will save the clothing, fence,



It Often Saves a Bad Fall.

and perhaps a bad fall, and will be appreciated by everyone who takes the short time necessary to construct it. The same steps are used in ascending and descending.-P. G.

A SELF-FEEDING HOPPER.

SELF-FEEDING hopper for the A chicken coop may be easily made, as shown in illustration. Nail pieces



of two by four about three feet long to the studding and to these nail boards as a hopper of good capacity, which is out of the way as much as possible and which does not have to be moved when cleaning coops.-H. L.

CURE FOR THE ROLLING HORSE.

To prevent a horse from rolling in the stall, fasten a ring in the overhead strap of the halter and another in the ceiling just back of the manger. Tie a strap in the ring on the ceiling and put a snap on the other end to snap into the ring on the halter. Make the strap just long enough so the horse can reach his nose to the floor, but not the top of his head. This is an effectual preventative.—H. L. Spooner.



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Constipation as a cause of piles

"AS THE SHADOWS LENGTHEN"
Constipation in old age

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FINE FUR COAT For \$15.00

The Quality is back of every Fur Coat made and Tanned by The Blissfield Tannery. Seud for our Catalogue. We tan and make up Rabbit skins into all kinds of Fur Garments.

W.G. White Co., Inc. Blissfield, Mich.







Feeding Problems

Is barley straw injurious to feed to stock?

stock?
Hillsdale Co.
W. L. H.
As a general proposition, barley straw may safely be fed along with other farm feeds. At present prices for roughage and grain feeds I would not hesitate to feed it in moderate amounts in combination with such feeds as hay, silage and corn fodder. Allow the animals to pick over the straw and do not compel them to eat large quantities at any one time.

W. M. K.

DO MANGELS INJURE COWS?

Enclosed is a leaf from Farmers' Bulletin No. 465, date of October, 1911, U. S. Department of Agriculture. Now I have about fifty bushels of mangels which I raised to feed my cows, but this article scares me, although I have fed mangels for about ten years, and never had any trouble with my cows. However, if it should be that the feed takes a long time to develop the disease I would stop using mangels.

Macomb Co. J. I. C.

I am sure that you are running no risks in feeding your fifty bushels of mangels to your cows. The fact that the leading breeders of dairy cattle find mangels one of their most valuable feeds in feeding for official records is pretty good evidence of their value as a supplement to the grain feed. Feed your mangels in a moderate way along with your roughage and grain and have no fears of injurious results. If more cows had plenty of good mangels during the winter, we would have more regular breeders and more profitable producers. W. M. K.

RYE FOR YOUNG PIGS.

I have a bunch of August pigs and all I have to feed them is rye. What is the best way to feed rye, ground fine in a slop, or feed it dry, or do you think to feed it whole does any good, and would it pay to feed tankage with the rye, and is there any place in Muskegon to buy tankage, that you know of? I can buy cull beans at \$1.50 per cwt; would it pay to sell the rye and buy beans and cook them, mixed with corn meal?

Oceana Co.

G. K. S.

Oceana Co. G. K. S. Rye is a farly good food for pigs but if fed alone they soon tire of it and will not eat a sufficient amount to make good growth. It should always be fed ground, or any other small grain like wheat or barley, because the pigs do not take the time to properly masticate these small kernels of grain. You can feed a portion of the rye in the form of a slop. If you have some skim-milk to mix with the rye, it would make a much better ration and one that the pigs would like better, but if you do not have it you can mix it with water. You could also feed some of the ground rye in a self-feeder dry, letting the pigs eat what they want of it. I am quite sure that it would pay to feed tankage in connection with the rye because the pigs need more proin than the rve will furnish but may be that you cannot get tankage without sending to Chicago for it.

It would be an excellent plan to buy cull beans and cook them and you could mix this meal with the beans. Beans are rich in protein and when they are cooked pigs like them very well. I am sure that it would pay you to sell some of the rye if necessary and buy cull beans at \$1.50 per hundred. You could get along very well without tankage if you brought the cull beans. It will do no harm to use some corn meal also with the rye as pigs like corn meal better than they do rye meal.

DUNHAM Quiti-Proker

The Culti-Packer Fits Your Seed Bed In Record Time—

Would you like to cut the time of fitting your seed bed by 20 or 30 percent? A hundred thousand farmers will testify that you can do this very thing with the Dunham Culti-Packer.

Here is the way they do it.

First plow the soil; then go over it with a disc harrow and follow immediately with the Culti-Packer—you can pull the two tools together if you have a tractor, or separately with horses.

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The soil will be fine and free from clods, all air spaces and loose spots will be firmed out and the surface will be a mellow mulch ideal for seeding or planting.

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Cultivating Crops
Preventing Crusts
Stop Soil Blowing
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Killing
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Oats Rice Beans
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Made from the nutritious hearts of corn kernels
Write to C. FRANCIS, 909 Ford Building, Detroit,
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Practical farmer capable of managing 400 acre stock farm in Wayne Cornty. Must be thorough, married and furnish good reference. Compensation to be paid according to ability. Box W. E. 21, Michigan Farmer, Detroit, Mich.

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Any poultry raiser can easily double his profits by doubling the egg production of his hens. A scientific tonic has been discovered that revitalizes the flock and makes hens work all the time. The tonic is called "More Eggs." Give your hens a few cents' worth of "More Eggs," and you will be amazed and delighted with results. "More Eggs" will double this year's production of eggs, so if you wish to try this great profit maker, write E.J.Reefer, poultry expert, 2119 Reefer Bldg., Kansas City, Mo., for a \$1 package of "More Egg" Tonic. Or send \$2.25 today and get three regular \$1 packages on special fall discount for a season's supply. A million dollar bank guarantees if you are not absolutely satisfied, your money will be returned on request and the "More Eggs" cost you nothing. Send \$2.25 today or ask Mr. Reefer to send you free his poulty book that tells the experience of a man who has made a fortune out of poultry.—Adv.

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Just fresh from the Press—and free to all who send for it—a very valuable poultry booklet, telling why ninety per cent of young chicks die, how to prevent this loss, the secret of successful poultry feeding, many interesting items regarding the care and management of poultry, poultry diseases, their remedies and prevention. Write before edition is exhausted. Stock Yards Veterinary Laboratory. 1232 Laboratory Bldg., Kansas City, Mo. —Advertisement.

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Barred Rocks -EGGS FROM STRAIN with records to 280 eggs a year; \$2 per 15. Delivered by parcel post, prepaid. Oircular free FRED ASTLING, Constantine, Mich.

Barred Plymouth Rock Cockerels, fullblood \$4 and \$5 each according to size and quality.

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Barred Rock Cockerels, bred from prize winners, single birds \$4,two or more three dollarseach. A, A. WOOD & SON, Saline, Mich.

Baby Chicks Bred-to-lay S.C.W. Leghorns. The high cost of feed we have culled our breeders closely, saying the best; therefore, we will have to advance the price to 15c each for March and April. Book orders early.

Sunnybrook Farm, Hillsdale, Mich.

BUFF LEGHORNS, 50 nice breeding cockerels.
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Chicks, We ship thousands, orders booked now for spring delivery, booklet. FREEPORTHATCHERY, Box 12, Freeport, Mich.

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JOHN'S Big Beautiful Barred Rocks are hen hat ched quick growers, good layers, sold on approval 4 to \$3. Circulars photos. John Northon, Clare, Mich.

Pine Crest White Orpington greatest egg pro-ducers—hens and young stock, buy now for next winter. Mrs. WH.LIS HOUGH, Pine Crest, Royal Oak, Mich.

ROSE COMB BROWN LEGHORNS from winner; at the largest shows in America, Mrs. OLAUDIA BETTS, Hillsdale. Mich.

R. I. Red Cockerels, Both Combs. Write sell more Beds than any other breeder in Michigan. INTERLAKES; FARM. Box 39. Lawrence. Mich.

R.C. RHODE ISLAND REDS cockerels, large, thrifty;
BIDWELL STOCK FARM, Tecumseh, Mich.

Rhode Island Reds. B. C. large fancy cockerate three dollars at three dollars Imlay City. Mich.

OILVER, Golden and White Wyandottes, good breed-Sing stock after Oct. 1st, fine lot of cockerels \$3 to \$5 each. C. W. Browning, R. 2. Portland, Mich. S. C. B. Minorcas a few choice cockerels and cock birds for sale. Satisfaction guaranteed.

R. W. MILLS, Saline, Mich.

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

Toulouse, White or Brown China Geese

85.50 each. Mammoth Pekin and Colard Muscovy Ducks \$2.50 each. Buff Orpingtons: White, Buff, Bar-red and Silver Rocks; Light Brahmas, Reads Silver Wyandottes; Brown and Silver Leghorn ckls, \$2.00 to \$0.00 each. Pearl Guineas, \$1.25 each. GEDAR LAWN POULTRY FARM, Wapakoneta, O.

Giant Bronze Turkeys and White Wyan-dotte Cockerels. Mrs. W. A. STEDMAN, Ashley, Mich,

Turkeys Pure bred Giant Bronze. Toms \$6, Hens \$5, Per pair \$10.
C. A. RICHNER, Omena, Mich.

CORN CARLOADS

Carpenter Grain Co. Michigan any rats. Battle Creek,

National Affairs

HE following resolutions adopted by the Farmers' Clubs of Michigan in session at Lansing. They bear upon questions of national import. Many of these issues will be up for the consideration of American farmers during the present reconstruction period. Careful thought should be given them:

We believe in a League of Nations to maintain peace, and that there should be a determinant group made up from those nations that have made such a peace possible by their devotion to right. We believe that representatives of the erring countries should be denied admission until such times as they have purged themselves times as they have purged themselves of the delinquencies in character. To have the equal voice of nations at the present time would be subversive of the aim and purpose of the League.

The rights of citizens in a world democracy must rest upon education and training for mutual service, and justice, and righteousness among nations. To this end we ask that the federal government establish at our various colleges, schools for such service in vocational education and discipline as will inspire and train our young men to establish and maintain universal peace.

we believe that the United States Department of Agriculture, in opposing and obstructing the work of determining the cost of farm products and the consequent establishment of arbitrary prices upon products mainly of northern farms, while successfully resisting the limitation of cotton prices, is unparelled in sectional discrimination, especially during a period of war for national and international right and justice. We believe that the determination of prices by representatives of such industries as coal, iron, steel and other products, based upon cost plus a fair profit, was just, and the denial of a similar right to most of the great food products from the farms the great food products from the farms as unjust.

We endorse and commend the work of the United States Food Administration and ask that some form of such office be maintained as a permanent feature of service to agriculture.

Resolved, that we endorse the four-teen propositions as formulated by President Wilson, as a working basis upon which we can predicate a satis-factory and lasting peace.

Resolved, that we favor the elective franchise for women and the adoption of the Susan B. Anthony amendment to the National Constitution.

Resolved, that we favor a federal law prohibiting interstate commerce in sweepings and unnutritive wastes in dairy feeds.

Resolved, that we favor the retention of the railroads, telegraph lines, express companies, etc., until such times as permanent unification and reforms are instituted and a fair determination of government control in peace times be made in comparison with comparison and the comparison and the comparison are the control of the comparison and the comparison are the control of the comparison are control of the control of the comparison are control of the with corporation control.

Whereas, our country has been engaged 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

Resolved, that we, the Farmers' Clubs of Michigan, offer ourselves to our country, that we pledge ourselves to put forth every effort to bring to pass the object sought—a universal. pass the object sought—a universal, lasting peace.

Resolved, that we help to sustain the Red Cross and the Y. M. C. A. of the country to the extent of our ability; that in whatever way our country needs us we will do our part, not greatly but freely. grudgingly but freely.

Resolved, that we will cooperate with our administration and leaders to the end that equal justice, tempered with mercy, be measured to all nations tions.

FARM FLOCK EXPERIENCE.

(Continued from page 619).

Dryness is absolutely essential. We use dirt floors in all of our houses and renew the floor from year to year. This floor is filled in about six inches higher than the ground outside, and tamped solid. As we dig a trench twelve inches deep and fill with gravel on top of which the foundation is placed we have never been bothered with

Order rmours Tertilizers Now!

PEACE stops fighting, but not feeding. Our armies, at home and abroad, our Allies and ourselves, must be fed. MORE food must be produced in 1919. Lack of fertilizer will cut down your production. Labor, cars, raw materials are all limited. Fertilizer factories must begin shipping at once, to move even a normal tonnage by planting time.

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Hulled and scarified white sweet clover is about ten dollars per bushel cheaper than red. Unhulled cheaper yet. As it is a biennial, taking the place of red in the rotation and any amount better as a land builder, it is an economical substitute. Winter sewing is the heart. tute. Winter sowing is the best. Ask for samples and prices as well as our catalogue telling "How To Know Good Seed." All other kinds of field seeds too.

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All sold subject to State or Government Test under an absolute MONEY-BACK GUARANTEE. We are specialists in grass and field seeds. Located so as to save you money and give quick service. Send today for our big profit-sharing, money-saving Seed Guide which explains all, free. Buy now and save money. Write American Mutual Seed Co. Dept.631Chicago, III.

Seeds Wanted

Red Clover, Alsike. Sweet Clover, Rye and Vetch mixed, Ear Corn, Peas, Sweet Corn, White Kidney Beans, some varieties of Garden Beans, etc. Write us stating what you have, send samples with prices, or we will make offers. Our 1919 Garden and Field Book will be ready to mail about Jan. 1st. A request will bring you one, The C. E. DePUY CO. Pontiac, Mich.

today. Don't buy until you get our reduced prices, samples and 116-page catalog.

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We save you money.
Buy now before advance.
Crop short. We expect higher prices. Don't you see our samples and

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CORN

SEED CORN FOR SALE

The Quality of Holding On

HE advance advertising agents of a circus, some time ago, covered the boards in our town with glaring posters announcing the coming attraction. Before the next morning there had been a little rain, the wind blew sharply and away went the costly paper with its highly colored pictures, sailing all over town. A man who saw some of this paper remarked that he guessed the men who put it up did not use enough gum stick-'em.

stick to their job and so they fail. back over a bridge some fifteen feet and only a few scratches on the horses. to do; some are easily rattled, lose First we hear of them here, then some long and ten feet down to the ground. Some time I expect that boy will their heads and do just what they vertising matter on the billboards.

By E. L. Vincent



A farmer boy of our neighborhood to the lines, and landed on the back of nity for steadiness of purpose, the ex-

A good many folks in this world are a team and heavy wagon on which hands. In spite of the bad situation, their ability to cope with emergencies quite like that. Something is missing there was a rigging to get a load of he stuck to his job and everything when they come in later life. out of their characters. They do not hay. To reach the barn floor he had to came out all right, not a thing broken

where else. The work they are doing Just as the team struck the middle of make his mark in the world, for he has ought not to do when a tight pinch today is dropped for some new line to- that bridge, one of the sleepers gave the fine quality of sticking and keeping comes. A man passing our house with morrow. And the result is that like way and let team, wagon and boy all cool in tight places. Sometimes boys a team, broke down almost in front of the rolling stone, they gather no moss. down in a heap. Nine out of ten boys wish they could go away from the the house. It would have been amus-For gum-stick-'em is just as necessary would have jumped for the barn floor farm to some place where things hap- ing if it had not been so serious to in the case of a man as it is with ad- and let the horses go where they pen that call for the heroic. But where watch that man as he flew around would. This lad, however, stuck tight could they go to find greater opportu- helplessly trying to think what to do

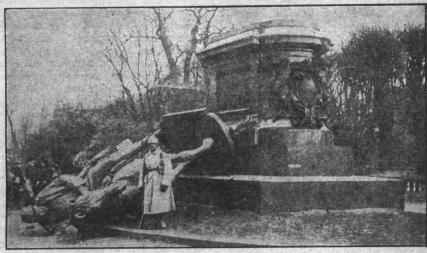
ercise of manliness or the display of courage than right on the farm? There is scarcely a day passes when something does not happen that calls forthe very best there is in a boy. Just watch and see if this is not so. More things take place on the farm of an exciting nature, things that demand quick action and quicker thinking by far than in any factory or store. And upon what boys do under such circumwas one day backing into a barn with one of the horses, the lines still in his stances will depend in large measure

Some men are quick to know what

WORLD EVENTS IN PICTURES



General Petain Leading Victorious French Armies into City of Metz.



Statue of Wilhelm I, Grandfather of the Kaiser, Dethroned in Metz.

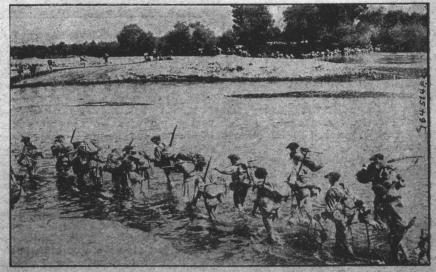


Convalescent Soldiers Arriving at West Baden Hotel, West Baden, Indiana.



So Great is Need of Coal that French Children Gather Scattered Pieces.





A Few of the Many Kiddies whose Parents were victims of Recent Epidemic. A Long Line of French Chasseurs Fording the Vardar River in Pursuit of New York Foundling Asylum is placing them in Homes in the West.

"BEYOND THE FRONTIER"

By RANDALL PARRISH

in the Palace of the Intendant.

between the bluff and the river, was ablaze with lights, and already crowded with guests at our arrimet, but, almost before I knew what vice. The naval men were less numered behind long lashes and overhanging val. I had seen nothing of Chevet had occurred, I found myself in a side ous, yet more brilliantly attired, and brows. Yet he was most gracious to since the morning, nor did he appear room, with a maid helping to remove seemed fond of the dance, and were Du L'Hut, and when he turned and pernow; but Monsieur Cassion was prompt my wraps, and arrange my hair. She favorites of the ladies. These were ceived Monsieur Cassion next in line, enough, and congratulated me on my was gracious and apt, with much to young, and many of them beautiful; smiled and extended his hand cordially. appearance with bows, and words of say in praise of my appearance; and at belles of Quebec mostly, and, although appearance with bows, and words of buy in plate of my appearance, and at belies of quesce mostly, and, arthough An, Francois, and so you are here praise which made me flush with em- my expression of doubt, brought a mir- their gowns were not expensive, be- at last, and ever welcome. And this," barrassment. Yet I knew myself that ror and held it before me. Then, for comingly attired. Yet from up and he bowed low before me in excess of I looked well in my new gown, simple the first time, did I comprehend the down the river the seigniors had gallantry, "no doubt will be the Madefor Sister Celeste had helped me, and been accomplished by her deft fingers. witness the event. Some of these were charms I have heard so much of late. touches to my hair had worked a mira- plain enough to be seen that my ap- could be noted a red chief from distant us of Quebec?" cle. I read admiration in Cassion's pearance pleased him also, for appre- forest. Most of those men I saw bore eyes, as I came forward from the shad. ciation was in his eyes, and he bowed evidence in face and dress of the wild, Chevet." ows to greet him, and was not unhap- low over my hand, and lifted it gal- rough life they led-fur traders from py to know he recognized my beauty, lantly to his lips. and was moved by it. Yet it was not of him I thought, but of Rene de

the way, and open passage. Cassion walked beside me, his tongue never still, yet I was too greatly interested in the scene to care what he was saying, although I knew it to be mostly compliment. It was a steep descent, the stones of the roadway wet and glistening from a recent shower, and the ceaseless stream of people, mostly denizens of Quebec, peered at us curiously as we made slow progress. Great bonfires glowed from every high point of the cliff, their red glare supplementing our torches, and bringing out passing faces in odd distinctness.

A spirit of carnival seemed to possess the crowd, and more than once bits of green, and handfuls of sweets were tossed into my lap; while laughter, and gay badinage greeted us from every side. Cassion took this rather grimly, and gave stern word to the soldier escort, but I found it all diverting enough, and had hard work to retain my dignity, and not join in the merriment. It was darker at the foot of the hill, yet the crowd did not diminish, although they stood in ankle deep mud and seemed less vivacious. Now and then I heard some voice name Cassion as we passed, recognizing his face in the torch glow, but there was no sign that he was popular. Once a man called out something which caused him to stop, hand on sword, but he fronted so many faces that he lost heart, and continued, laughing off the affront. Then we came to the guard lines, and were beyond reach of the mob.

An officer met us, pointing out the way, and, after he had assisted us to descend from the chair, we advanced slowly over a carpet of clean straw toward the gaily lighted entrance. Solsurroundings.

cared, although I was glad of his ab- fathers used to play. sence because of De Artigny.

HE huge palace of the Intendant, sion, with a glance at his face, and garrison were everywhere, apparently the appearance of La Barre. word of recognition. I observed him in charge of the evening's pleasure, but turn and stare after me, for our eyes their uniforms bore evidence of ser- and with strange furtive eyes, conceal-

great ballroom, for now as I write, the Many a name reached my ears fa- night?

brilliant pageant is but a dim memory, mous in those days, but forgotten long "He accompanied me to the city, confused and tantalizing. I recall the since; and once or twice, as we slowly your excellency, but I have not seen ers, while two soldiers of the Regi- bright lights overhead, and along the made our way through the throng, Cas- him since." ment of Picardy, held torches to light walls, the festooned banners, the rais- sion pointed out to me some character ed dais at one end, carpeted with the of importance in the province, or paus- beck and call," and he patted me playskins of wild animals, where the gov- ed to present me with formality to cer- fully on the cheek. "I have already ernor stood, the walls covered with tain officials whom he knew. It was tested his faithfulness. Your father, arms and trophies of the chase, the thus we approached the dais, and Mademoiselle?" guard of soldiers at each entrance, and awaited our turn to extend felicitathe mass of people grouped about the tions to the governor. Just before us was Du L'Hut, whose name Cassion the Richelieu; a fine soldier." He turn-It was an immense apartment, but whispered in my ear, a tall, slender ed toward Cassion, the expression of so filled with guests as to leave scarce man, attired as a courier du bois, with his face changed. space for dancing, and the company long fair hair sweeping his shoulders. was a strange one; representative, I I had heard of him as a daring explorthought, of each separate element er, but there was no premonition that which composed the population of New he would ever again come into my life, lost on the journey. I have it in my

those in advance of us, yet passed Cas- France. Officers of the regiments in and I was more deeply interested in

"Ah, Francois, and so you are here enough to be sure, yet prettily draped, magic of Sister Celeste, and what had brought their wives and daughters to moiselle la Chesnayne of whose many 'twas whispered she had seen fine I was no longer a rustic maid, but uncouth enough, and oddly appareled; By my faith, Cassion, even your elethings in Europe before she donned really a quite grand lady, so that I felt not a few among them plainly exhibit- quence had done small justice to the the sober habit of a nun. She loved a thrill of pride as I went forth once ing traces of Indian blood; and here lady. Where, Mademoiselle, have you yet to dress another, and her swift more to join Cassion in the hall. Twas and there, standing silent and alone, hidden yourself, to remain unknown to

"I have lived with my uncle, Hugo

"Ah, yes; I recall the circumstances far-off waterways, guardians of wilder- now-a rough, yet loyal trader. He was I will not describe the scene in the ness forts, explorers and adventurers. with me once on the Ottawa-and to-

"Small need, with Francois at your

"Captain Pierre la Chesnayne, sir.' 'Ah, yes; I kew him well; he fell on

You depart tonight?" "At daybreak, sir."

"That is well; see that no time is mind that De Baugis may need you, for from all I hear Henri de Tonty is not an easy man to handle."

'De Tonty?"

'Ay- the lieutenant Sieur de la Salle left in charge at St. Louis; an Italian they tell me, and loyal to his master. 'Tis like he may resist my orders, and De Baugis hath but a handful with which to uphold authority. I am not sure I approve of your selecting this lad De Artigny as a guide; he may play you false.'

"Small chance he'll have for any trick."

"Perchance not, yet the way is long, and he knows the wilderness. I advise you guard him well. I shall send to you for council in an hour; there are papers yet unsigned."

He turned away to greet those who followed us in line, while we moved forward into the crowd about the walls. Cassion whispered in my ear, telling me bits of gossip about this and that one who passed us, seeking to exhibit his wit, and impress me with his wide acquaintance. I must have made fit response, for his voice never ceased, yet I felt no interest in the stories, and some of the older farmers to It all happened on a pleasant day in disliked the man more than ever for take a trip away from home in May between the chip yard and the his vapid boasting. The truth is my diers lined the walls on either side, and an automobile and find that it is a fact kitchen door on a Calhoun county thought was principally concerned with overhead blazed a beacon suspended that "old things have passed away" farm. After the excitement of repeat- De Artigny, and whether he would realon a chain. It was a scene rather gro- with a vengeance. Many of the old- edly slinging and tossing the big jack ly gain admission. Still of this I had tesque and weird in the red glow, and fashioned ways of doing things are, of knife for a spell by each of these four small doubt, for his was a daring to I took Cassion's arm gladly, feeling course, out of style, and the young farmer boys had culminated in finding make light of guards, or any threat of just a little frightened by the strange folks sometimes do not even know the the biggest boy was it, we made a big enemies, if desire urged him on. And

ed, more as a relief, than because I ble the peg, that our fathers and grand- drive it flush with the surface soil, but ure, but the man was not present, my in this case we left it sticking up so its anxiety increasing as I realized his ab-Several times we have stopped at exact latitude and longitude would sence, and speculated as to its cause. lightly. "I won him a card, but he country and met boys who never saw Then we set up the camera and he have learned of our interview, and was scarce gracious about it. In some this game played. The boys in the ac- coached up our movie actors into the used his influence secretly to prevent edly possessed power. My desire to

Do You Play "Mumblety Peg?"



URING these days it surprises ever preserve the recipe thereof. recipe and details of operation of the wooden peg and drove it into the I had his pledge.
"Where is my Uncle Chevet?" I ask- old game of "mumblety-peg," or mum- ground. Usually the rule has been to My eyes watched every moving fig-

"In faith, I know not," he answered farmers' homes in various parts of the show in the picture. an officer, who scanned the cards of and then they vowed they would for formed.-J. H. Brown.

wine shop likely with others of his companying picture never even knew proper position and spirit of expres- our meeting again? It was not imposwhat it meant to mumble the peg. And sion of great excitement and intense sible, for the man was seemingly in . There were servants at the door, and so we instructed them in the details interest in the job about to be per close touch with Quebec, and undoubttreachery. The few words I had been heavy drapery. De Artigny appeared able to overhear passing between La familiar with these details, for, with ister meaning; they were a promise of this recess, where we stood concealed. ly; it would be later, when they were again and faced me. alone, that he would give his real oras to what those orders would be, nor with trouble?" of the failure of the lieutenant to exe"Hardly that; a mere annoyance. I cute them. The wilderness hid many may only suspect the cause, but an a secret, and might well conceal an- hour after I left you my ticket of inviother. In some manner that night I tation was withdrawn." must find De Artigny, and whisper my

DEC. 28, 1918.

These were my thoughts, crystallizing into purpose, yet I managed to say he preferred my absence." smile cheerily into the face of the Commissaire and make such reply to his badinage as gave him pleasure. Faith, he sent me word later to remain at the the man loved himself so greatly the trick was easy, the danger being that departure at any minute. Some ink-I yield too much to his audacity. No doubt he deemed me a simple country his ears." maid, overawed by his gallantries, nor did I seek to undeceive him, even permitting the fool to press my hand, and whisper his soft nonsense. Yet he ven- I am one to disappoint because of so tured no further, seeing that in my small an obstacle? As the door was eyes warning him of danger if he grew insolent. I danced with him twice, and found it here." He pointed to the pleased to know I had not forgotten the step, and then, as he felt compelled to show attention to the governor's lady, he left me in charge of a tall, thin officer-a Major Callons, I think-re- compensated for by discovering you so luctantly, and disappeared in the crowd. Never did I part with one more ing someone I knew while seeking you willingly, and as the Major spoke on the floor." scarcely a dozen words during our long dance together I found opportunity to think, and decide upon a course of ac-

As the music ceased my only plan ble, and, at my suggestion, the silent desk. What difference? You are glad major conducted me to a side room, I and then disappeared seeking refreshments. I grasped the opportunity to slip through the crowd, and find con- you warning that you adventure with cealment in a quiet corner. It was impossible for me to conceive that De chance arrive." Artigny would fail to come. He had pledged his word, and there was that about the man to give me faith. Ay! he would come, unless there had already been treachery. My heart beat swiftly at the thought, my eyes eagerly searching the moving figures in full authority." the ballroom. Yet there was nothing I could do but wait, although fear was already tugging at my heart.

I leaned forward scanning each passing face, my whole attention concen-Where he came from I knew not, but his voice softly speaking at my very ear brought me to my feet, with a little cry of relief. The joy of finding him must have found expression in my eyes, in my eager clasping of his hand, for he laughed.

ed, Mademoiselle," he said, and grave- you should be told, Monsieur." ly enough. "Could I hope that you were even seeking me yonder?"

"It would be the truth, if you did," ning to doubt your promise."

ed when given," he said under his in his mind. "Come with me into this side breath. give the man no pleasure."

dently an office of some kind, for it ory as to this change in his front? contained only a desk and some chairs, I felt the blood surge to my cheeks, and was unlighted, except for the and my eyes fell before the intensity gleam from between the curtains. The of his glance. outer wall was so thick a considerable

see De Artigny was now for his own space separated the room from the sake-to warn him of danger and window, which was screened off by Barre and Cassion had to me a sin-scarcely a glance about, he led me into protection from the governor to his Lights from below illumined our faces, lieutenant, and this officer of La Salle's and revealed an open window looking should be warned that he was suspect- down on the court. My companion ed and watched. There was more to glanced out at the scene beneath, and La Barre's words than appeared open- his eyes and lips smiled as he turned

"But, Monsieur," I questioned, puzders to Cassion. Yet I felt small doubt zled, "why was it not easy? You met

"Withdrawn? by whom?"

"The order of La Barre, no doubt; an officer of his guard called on me to

'Twas the work of Cassion." "So I chose to believe, especially as boats, and have them in readiness for ling of our meeting must have reached

"But how came you here, then?"

He laughed in careless good humor. "Why that was no trick. Think you refused me I sought other entrance, open window. "It was not a difficult passage, but I had to wait the withdrawal of the guards below, which caused my late arrival. Yet this was quickly. My only fear was encounter-

"You entered through this window?" "Yes; there is a lattice work below." "And whose office is that within?"

"My guess is that of Colonel Delguard. La Barre's chief of staff, for was to avoid Cassion as long as possi- there was a letter for him lying on the

> "Yes, Monsieur, but not so much for my own sake, as for yours. I bring those who would do you evil if the

"Bah! Monsieur Cassion?"

"'Tis not well for you to despise the man, for he has power and is a villain at heart in spite of all his pretty ways. 'Tis said he has the cruelty of a tiger, and in this case La Barre gives him

"Hath the governor grudge against me also?'

"Only that you are follower of La Salle, and loyal, while he is heart and hand with the other faction. He chidtrated on the discovery of De Artigny. ed Cassion for accepting you as guide, and advised close watch lest you show treachery."

"You overheard their talk?"

"Ay! they made no secret of it; but I am convinced La Barre has more definite instructions to give in private, for he asked the Commissaire to come to "'Tis as though I was truly welcom- him later for conference. I felt that

De Artigny leaned motionless against the window ledge and the light streaming in through the opening of the I responded frankly, "and I was begin- draperies revealed the gravity of his expression. For the moment he re-"Nor was it as easily kept as I sup- mained silent, turning the affair over

"I thank you, Mademoiselle," he said room where we can converse more finally, and touched my hand, "for freely-I can perceive Monsieur Cas- your report gives me one more link to sion across the floor. No doubt he is my chain. I have picked up several seeking you, and my presence here will in the past few hours, and all seem to lead back to the manipulations of Cas-I glanced in the direction indicated, sion. Faith! there is some mystery and although I saw nothing of the Com- here, for surely the man seemed hapmissaire, I slipped back willingly by enough when first we met at Cheenough through the lifted curtain into vet's house, and accepted my offer of the deserted room behind. It was evi- assistance gladly. Have you any the

(Continued on page 631).



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A Neighborly "Prize Fight" By C. C. Johnston

sense now and then, but few are in one form or the other. proof at any time against the ludicrous.

The most dignified high-brow will in- mittee was created on the spot, at the dulge at least in a smile when he sees suggestion of Thompson, who was now a fellow-creature arising apparently an enthusiast, to arrange for meets ev-

ple are often uproariously moved by we are going to resume when warm the slap-dash antics of the screen weather comes again. Our people got comedian. A knock-about exhibition, better acquainted and learned to like whether actual or clever horseplay, has each other more than ever before in a universal human appeal. I see no their lives, and I am sure some of reason why we should be ashamed of them grew younger. yielding to harmless emotions of our

These remarks, therefore, are introductory-and not offered in way of apology—to an account of one of our Field Day features. A good hearty laugh is such a wholesome thing in itself as to make unnecessary any ence. The "stunt" was an ancient one. quibbling over the cause. But first I I saw it first years ago, put on by the should perhaps tell about the field day, only lodge to which I have ever beas that is of the most importance, af- longed, and I have no doubt but that it ter all. Our neighborhood is some four miles from town, a trifling distance for ganizations. the rapidly-growing number of automobile owners. Regardless, though, of the form of conveyance, it was a very general custom with our people, particularly the young men, to go to town Saturday afternoons. I believe in the half-holiday policy, and feel that it would be an abnormal sort of person who did not like to go to town, within moderation.

Still, a community of three thousand people does not afford a very wide range of diversion. Most of the time the only thing going on is the usual routine of trade. It was a question in my mind whether the half-holiday always spent in the same way was yielding the enjoyment that it should. My neighbor. Thompson insisted that it was. Possibly one reason why we liked to be together so much was because we disagreed in a good many things. He qualified his opinion by saying that if people did not enjoy a thing they would not make a habit of it. Thompson and I frequently went to town, too, often together. Having leisurely attended to our errands, we did not linger for the mere purpose of putting in the time. As a rule, we spent the halfholiday loafing about his place or mine, sociably discussing matters of mutual interest.

It was my observation that much of the time of our people in town was spent in visiting with one another. The thought occurred to me that this pleasure might be indulged in to just as good, if not better, advantage nearer home. Out of this conviction grew the field day project. When I broached the idea to Thompson he took the contrary side as to its probable success, but one of his fine traits was that of not holding back in a worthy cause be had never seen an audience approach cause of his lack of faith. I knew I so near to hysterics. Hilarious cries ence and was a good organizer.

kept up my interest in athletics, though joined in the general enthusiasm. bilities as an athletic field.

inexpensive prizes. We counted upon ringside spectators remain alive. curiosity, if nothing else, to bring a It all goes to show that we are only sports, and everybody had a chance stage of their existence,

OT only does everybody—wise or for fun, both as spectators and particiotherwise—relish a little non-pants, and no one failed to get a share

The interest was such that a comunharmed from a sprawl on the ice. ery other Saturday afternoon. They Intellectual as well as ignorant peo- were continued well into the fall, and

> But now for the special feature I started out to talk about. It was for our fourth meet that we advertised a grand prize fight. Some of our good folks took the announcement seriously and were rather dubious about giving the event the approval of their preshas been widely used by various or-

Two strapping young fellows were easily secured to serve as the pugilists. All of our young men had become keen on the field day. At the appointed time, as a wind-up to the list of events, the pair appeared upon the improvised platform, stripped to undershirt and trousers. Boxing gloves were tied upon their hands. Fastened about the waist of each was a rope, the end extending a short distance in the rear and held by attendants. It was explained to the audience that this precaution was to control the fighters so that they could not do too much harm to one another. After being instructed by the names of well-known ring characters, the antagonists were blindfolded and time was called.

The master of ceremonies, who had drawn a boxing-glove onto one of his own hands, gave the nearest pugilist a tap on the neck-just hard enough to slightly raise his dander—and jumped out of reach. The fellow who had been hit, thinking the blow was by his antagonist, struck out wildly in the direction from which it had come. As a matter of fact, the two had been pulled back at more than safe distance from each other by the attendants who had hold of the rope-ends. Attention, with similar results, was next given the second fellow, by the master of ceremonies, who continued to gravitate between the two, keeping them both beating the empty air, in the effort to land a return blow.

The essentially funny nature of such an exhibition was added to by the fact that the boys were so well known, and by the further circumstance that they displayed unusual spunk and spirit. I could count on his support, which was of encouragement came from the a valuable asset, as he had large influ- crowd. The women enjoyed it as much as the men. People who had not been Ever since my college days I had known to have a real laugh for years

no longer active in them, and it came Not the least comical phase of the Human energy was never at a greater premium easy for me to map out a program of affair was when, after a short series easy for me to map out a program of affair was when, after a short series events. It included foot-races for short of exciting "rounds," the pugilists had distances, jumping, pole-vaulting, ham- the bandages taken from their eyes mer throwing, tug-of-war and other and found themselves at a considerable familiar tests of strength and endur- distance from one another. The exance. A pasture space of mine adjoin- pression on their faces set the audiing our district school had good possi- ence off anew. The situation was explained to them. They shook hands The first meet was announced two cordially, and stepped down from the weeks in advance, and in the interim platform to a fame that will live in the we raised a small purse to cover some neighborhood as long as any of the

> good turnout, and were not disappoint- grown-up children, and that a little ed. The affair went off well. There innocent play, even if not wholly digwas one contest for ladies and two for nified, may be a factor in the happiness children, in addition to the men's and health of men and women at any



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"Beyond the Frontier"

(Continued from page 629).

"If I have, Monsieur, 'tis no need that it be mentioned."

"Your pardon, Mademoiselle, but your words already answer me-'tis then that I have shown interest in you; the dog is jealous!"

"Monsieur!"

He laughed, and I felt the tightening of his hand on mine.

"Good- and by all the gods, I will give him fair cause. The thought pleases me, for rather would I be your soldier than my own. See, how it dovetails in-I meet you at the convent and pledge you my aid; some spy bears word of our conference to Monsieur, and an hour later I receive word that if I have more to do with you I die. I smile at the warning and send back a message of insult. Then my invitation to this ball is withdrawn, and, later still, La Barre even advises that I be assassinated at the least excuse. 'Twould seem they deem you of importance, Mademoiselle."

'You make it no more than a joke." "Far from it; the very fact that I know the men makes it a matter of very grave concern. I might, indeed, smile did it concern myself alone, but I have your interest in mind-you have honored me by calling me your only friend and now I know not where I may serve you best-in the wilderness, or here in

"There can nothing injure me here, Monsieur, not with Cassion traveling to the Illinois. No doubt he will leave behind him those who will observe my movements-that cannot harm."

"It is Hugo Chevet, I fear."

"Chevet-my uncle-I do not under-

"No, for he is your uncle, and you know him only in such relationship. He may have been to you kind and indulgent. I do not ask. But to those who meet him in the world he is a big, cruel, savage brute, who would sacrifice even you, if you stood in his way. And now if you fail to marry Cassion, you will so stand. He is the one who will guard you, by choice of the Commissaire, and orders of La Barre, and he will do his part well."

"I can remain with the sisters."

"Not in opposition to the governor; would never dare antagonize him; tomorrow you will return with Chevet.'

I drew a quick breath, my eyes on his face.

"How can you know all this, Monsieur? Why should my uncle sacrifice me?"

"No matter how I know. Some of it has been your own confession, coupled with my knowledge of the man. Three days ago I learned of his debt to Cassion, and that the latter had him in his claws, and at his mercy. Today I had evidence of what that debt means."

"Ay! 'twas from Chevet the threat came that he would kill me if I ever met with you again.'

I could but stare at him, incredulous, my fingers unconsciously grasping his

'He said that? Chevet?

"Ay! the message came by mouth of the half-breed, his voyageur, and I choked out of him where he had left his master, yet when I got there the man had gone. If we might meet tonight the matter would be swiftly set-

There was a voice speaking in the office room behind, the closing of a door, and the scraping of a chair as someone sat down. My words ceased, and we stood silent in the shadow, my grasp still on De Artigny's arm.

He gazed out into the darkness, and I saw his hand close on his knife hilt. (Continued next week).

EXCESSIVE MEAT AND Country Hide

Good hides make your cattle worth more money

Leather tanners are very careful about the hides they buy.

They want hides that are as nearly perfect as possible - hides that are without cuts and scores, and that are properly cured.

There are two classes of hides on the market—"country hides" and "packer

Country hides are those taken off by small butchers and farmers. Packer hides are those taken off by the packers.

To take a hide off correctly is not easy. Unless great skill is used the hide will be marred by cuts and scores.

The packers have made a careful study of hides. They have trained experts who do nothing else but take them off. Hence, packer hides have few cuts and scores, and are uniformly and properly cured.

Swift & Company sorts its cured hides into grades or classes, according to quality and to the purposes for which they are best adapted.

Some country hides are good; others are very poor.

They usually have cuts and scores and are not cured so well. Some have also begun to deteriorate because of being held too long. Besides, they cannot be

graded so uniformly. In the same batch there are both good and poor hides.

Because of this superiority of packer hides, tanners pay from two to five cents a pound more for them. If country hides were as good, tanners would gladly pay an equal price.

This increased value of packer hides means that you get for your cattle from \$1 to \$3 or more per head, additional.

Swift & Company does not deal in country hides at all, and has no interest in their purchase or sale. It is the hide dealers and tanners who notice the difference in quality, and pay accordingly.

Swift & Company uses skill in taking off hides, not because it wants to see country hides bring lower prices-but because it is part of its policy to produce articles of the highest quality.

This is only one way the packer has increased the value of your cattle. Many other by-products have been improved in a similar way.

Swift & Company is constantly on the lookout for new ways to improve the value of its products, and hence to make your cattle worth more money to you.

When Swift & Company says that its profit on beef averages 1/4 of a cent a pound, this includes the profit from the sale of hides.



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Live and Grow Young

most a pity that you can not be born message to reform mankind. old. Youth has a glory of its own, but life can bring?

perennial spring? Which is older, the present, but neglected to ask the Al- could get out to church, and paying a twig aright really to enjoy the boys stripling who delivers his high school oration and settles all the questions of the centuries, or his father who sits grinning in the audience? Which is younger, the lad who thinks he knows, or the man who has found out that he doesn't know much of anything, and so might as well enjoy life?

The saddest sight in life to me is a young folks society where the members get together to reform the world. It may be a debating society or a church league, but which ever it is, if the members are imbued with the idea that they have a mission and a message different from others they are pathetic,

stop to count them it seems al- For some years I knew I had a special about the mote in our brothers' eye had worn for the past generation? and the beam in our own, and then in It was a good minister with a sense gentle tones told us to recall that the we all began to grow younger from that it is as the glory of the stars compared of humor who took the idea out of me. Great Jehovah had been struggling for day on. We began to see what a futile to the glory of the sun of mid-life or There was quite a group of us, young several odd thousands of years to re-thing worry is, and little by little wisthe silver light of the moon of old age. men and young women, all so worried form the world and so far had not dom came to us, and with it youth. For what is physical beauty, color and about the world and the others in the made a perfect job. Therefore, did it form and action, compared to the group, that we couldn't see we needed not seem hopeless for a band of young beauty of mind and spirit which only any personal changes. I suspect we men and women, however earnest, to tried that poor preacher sadly. At any expect to do the job in a decade. And ations. Who enjoys the children more, What is youth anyway? Is it the rate after an unusually strenuous even- hadn't we better give it up and tackle the parents or the grandparents. Fathcondition of having a new body or is it ing meeting where we tackled every something easier, like getting the Sun- er and mother are too filled with the a state of mind and soul which holds social problem and every person not day dinner every other week so mother terrible responsibility of bending the

IFE holds so many compensations aged figures. I speak from the depths mighty to give us personal aid, our little more for our board at home so for growing old, that when you of experience. I once was one of them. good minister arose, read the verse father could discard the overcoat he

Mostly we followed his advice and

For youth comes only with years. If you don't believe it, watch the generand girls. Parenthood is real and earnest to them and they are constantly on the alert for bad habits to nip in the bud. Grandfather and grandmother have learned from bringing up their own that we all go through the same sets of experiences and that everything rights itself in time. So they laugh with the children. Probably father and mother complain that the old folks are getting childish. But they are getting wise.

The properly developed human grows younger as the days slip by. Those who don't, have been thwarted of full and free development. DEBORAH.

Get Ready for Child Labor Day

C HILD Labor Day, which will be observed throughout the country on Sunday, January 26, in the churches and in the schools on the following Monday, these dates having been designated by the National Child Labor Committee, will be an occasion for reviewing the work and achievement of Children's Year.

The Children's Year work includes, besides the baby-saving campaign, a crusade against wartime child labor and a nation-wide backto-school drive, in both of which the National Child Labor Committee is participating. The coming Child Labor Day will be a time for asking, in respect to the protection and education of the children, how the country has been preparing in war time for the period of recon-

Washing Without Worrying

ting her washing done, to say nothing they are legion. The best known are is also operated by the same power picnic in the afternoon? This is what

securing other help. The work is all up to the housemother, and she must "live or die, sink or swim, survive or perish," unaided by human hands.

The situation in the cities is the same. Employment bureaus long ago hung out the "No Domestic Help" sign. There are no girls seeking domestic employment, with factories offering three times the wages. Housekeepers in the towns have for some time been facing the situation and adjusting their lives to the change. Their olution of the question is one which many farm women can adopt-power appliances to do much of the work formerly done by hand. Motor power washing machines have forever supplanted the washwoman in hundreds of homes. They are always on the job, never late, quiet, efficient, courteous if treated well, never demand a ten o'clock lunch, and don't tear the clothes.

The electric machine is perhaps most convenient if you have electric power, but it is by no means the

bor takes rank. Competent farm ing out of the old familiar treadmill, through a tub of hot suds. labor, always hard to secure, has about where your household pet furnishes reached the vanishing point so far as the power which does your washing, power employed, the power machine time. Could you, for instance, wash the fields are concerned and the house- and machines which are run by the is something which every woman who nineteen blankets in the old way in keeper no longer even dreams of get- gas engine. As to types of machines, can afford it should buy. The wringer one forenoon and go to a Grange

conversation, the scarcity of la- machines, dog power machines, a work- are put in a cylinder which revolves hardest part of washing is carrying

EXT to high prices as a topic for only thing. There are water power the cylinder machines where clothes which washes the clothes, so that the conversation, the scarcity of la-machines, dog power machines, a work- are put in a cylinder which revolves benefit to the clothes, so that the the wet clothes out to hang up. Not Whatever the type or whatever the only do you save muscle, but you save

> one farm woman did. Another on the same day did a two weeks' washing for a family of six, and threw in two blankets and the curtains for twenty windows, then baked and put up her picnic lunch, and was as fresh as a daisy in the afternoon.

The machines cannot perform miracles, however. Do not think for a minute that they are going to do the washing while you sit upstairs and read a book, as the advertisements picture the pretty lady. They are like any machinethey must be operated. arch must be made, clothes fed to the wringer, tubs filled with rinsing water and lines got ready. You will not sit down while the washing is on. Also, if the clothes wind around the wringer or you try to put too thick a garment through—well, your machine is likely to stop in the middle of the wash ing, and you must wait for someone who understands its internal workings to set it going. Care in feeding the wringer makes this unnecessary, however. And,



The Hardest Part is Carrying the Wet Clothes Out to Hang Up.

to boil or not to boil, is another question. Most agents say it is not necessary—that good soap powder, scalding water and sun are all you need. Personally, I prefer boiling. Wristbands and soiled spots do not need to be rubbed on the board if you use sufficient care. Soap all these spots carefully and let the clothes soak over night. If the spots show when they come out of the tub, soap them again and wash a second time. Only on rare occasions will you need to rub them.

Home Queries

Household Editor.—Will you please give a recipe for braised liver? Thanking you very much.—E. L.

Wash the liver and skewer into shape. Lay over it one-half pound of salt pork, cut in strips, the strips held in place by toothpicks if necessary. Chop fine one onion, one carrot and one red pepper and crumble in one bay leaf. Lay the vegetables over and around the liver in a covered baking pan, add two tablespoons of butter and a half-teaspoon of salt to two cups of boiling water, pour over all, cover the dish and bake one and a half hours. Remove cover, and bake fifteen minutes longer uncovered. Remove liver to heated platter and set where it will keep hot. Add juice of one lemon to the liquor in the pan, thicken with two tablespoons of flour, pour over liver and serve.

Household Editor.-I am writing to see if I can find out through these columns how to make a kitchen floor covering from an old rag carpet. There is a preparation that is spread on the carpet and then varnished, and is said to wear almost equal to linoleum, and is much less expensive. Would be very glad if I could find out how this is done.-Mrs. E. W. C., Fenton, Mich.

Mrs. A. A. C., Springport:-I never knew of anyone playing ball battledore and shuttlecock except the good little children in English story books. It is played, however, with a small racket, the battledore, and a shuttlecock made of some light material like cork, and surrounded with a crown of feathers. The object of the game is to see who can keep the shuttlecock in the air the longest.

THE FOOD ADMINISTRATION AND THE SUGAR SUPPLY.

In view of the large number of inquiries as to the reasons for the removal of restrictions upon the use of sugar in households, and especially from the service of sugar in the public eating places, the Food Administration issues the following statement:

Since its inception, the Food Administration's policy has been to adjust its conservation requests with conservation necessities and the public has shown its appreciation of this frankness by immediate response.

It may astonish the public to know that during the months of July, August, September, October and November this year, the American people saved 775,000 tons of sugar over their normal consumption. This conservation, of course, includes the amount of sugar saved by the restrictions placed on confectionery and soft drink pro-

The Food Administration's object in asking for economy in the use of s was to insure a supply that would be adequate to meet the needs of the Allies who would have to depend on the same sources as the United States so long as the war lasted. It was necessary to take precautions so that there would be a certainty of sufficient sugar through the year. With the signing of the armistice the situation was immediately changed, just as it was with all measures taken with the needs of a continuing war in view. As soon as the armistice made a change in our sugar program possible the restrictions were lifted.

Bread is the Staff of Life

That is an old saying with more or less truth in it.

Much depends upon the quality of the bread.

We cannot imagine sour, heavy, soggy, bread being very nutritious or palatable, or conducive to long life.

On the other hand there is certainly nothing better or more substantial than good home-made bread. We eat it day in and day out without pausing to appreciate its full worth.

Truly good bread is the staff of life, so when you bake bread use

Lily White

"The Flour the Best Cooks Use"

and you will be delighted with the results.

There is nothing the men folks appreciate more than good home-made bread, and there is nothing you can feed a hungry man that goes so quickly to the spot.

The bread-winner's earning capacity is very materially increased by the right kind of food properly cooked, hence the importance of serving that which builds up his energy instead of tearing it down.

Good home-made bread meets the requirements. It other words, "it delivers the goods."

Satisfaction is positively guaranteed.

Our Domestic Science Department furnishes recipes and canning charts upon request and will aid you to solve any other kitchen problems you may have from time to time. Public demonstrations also arranged. Address your letters to our Domestic Science Department.

VALLEY CITY MILLING COMPANY

Grand Rapids, Mich.

Grow Wheat in Western Canada | Farms and Farm Lands For Sale One Crop Often Pays for the Land



Grain Growing and Stock Raising.

Though Western Canada offers land at such low figures, the high prices of grain, cattle, sheep and hogs will remain.

Loans for the purchase of stock may be had at low interest; there are good shipping facilities; best of markets; free schools; churches; splendid climate; low taxation (none on improvements). For particulars as to location of lands for sale, maps, illustrated literature, reduced railway rates, etc., apply to Supt. of Immigration, Ottawa, Can., or

M. V. McINNES, 172 Jefferson Ave., Detroit, Mich. Canadian Government Agent.

270 Acres, \$4900 With

12 Cows, Pr. Horses and

Bull, 3 heifers, steers, poultry, 50 tons hay apples, vegetables, potatoes, grain, long list machinery, tools, wagons, dry stove wood including. 2½ miles town. Broductive dark loam tractor-worked fields, brookwatered pasture, borders lake, estimated £50,000 timber, 1000 cords hardwood, 400 sugar maples, 200 apples, other fruit trees. 12-room house, 2 barns 30x60, 40x of the control of the cont

Sheep or Cattle Ranch For Sale 1022 acres, 200 heres cleared, seven miles from count seat, Clare Co., Mich. Two seets buildings; theop 180 and the clear of the clear

CHOICE Florida Lots and farm locations at farmous automobile manufacturer, Is miles west of Tampa, on Tampa Bay, Dixie Highway, Seaboard Railway, Delightful clinate, tropical scenery, low prices, easy terms. Free booklet.

REOLDS FARMS CO., Oldsmar, Florida.

Beautiful modern home, steam heat, 8 lots, expensive shrubbery, fruit and shade, block from CENTRAL MICHIGAN NORMAL COLLEGE will sell or trade for small farm, or stock genera merchandise. Cooper, Gover & Francis, Mt. Pleasant, Mich

FLORIDA WINTER HOMES 1000 acre ranch \$7000, 10 acres \$250, or 40 acres \$800, 25% cash. T. J. Youmans, Roberts block, Tampa, Florida

Wanted to hear from owner of good farm for sale. State cash price, full description Minneapolis, Minn

Please Mention The Michigan Farmer When Writing to Advertisers

Farm Lands

Low Prices

Best Bett " A



Here is what The Farm Journal says:

Partnership Farming

CLOVERIAND

The Package

Sells the Goods

"In 1919 We're Going to Use More Headwork and Less Footwork"

-and Make Better Than "A Good Living and 10%"

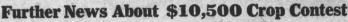
Labor will be our big problem in 1919. We hope to get farm soldier-boys sent home first, but even so, the great shortage will continue. We will have to let machinery do more work—improve our methods—plan ahead. For this, get your real help from The Farm Journal—every issue packed full of pointers on how to "Make your head save your hands." Read the January number—other equally helpful articles all during 1919.



Read how these two adjoining farms were run under single management; how machinery was bought; how receipts and ex-penses were shared. An actual Middle-West experience.

Two Farms Operated Saving One Man's Hire

This farmer and his 15-yearold boy invested the hired man's wages in adequate barn equipment. The two then did all the work formerly requiring three men. Result — a big moneysaving, continuing indefinitely.



Have you entered yet? No fee, no red tape. You may be the gold-medal winner and earn a big cash reward. Highest authorities agree this Crop Contest is the greatest agricultural stimulant the country has ever had.

See January Farm Journal

Read the special articles, timely, helpful—all the meat without the ristle. Regular departments about stock; tractors; farm shop-work; household and boys-and-girls sections; home doctor and veterinarian's columns. \$100 mystery story and other new fiction. Every one in the family does better with The Farm Journal—the only farm paper with over a million subscribers.

182 Washington Square





Trapping Baits



What Farmers Think of Daylight Saving



It pays to buy Tix Ton-Mix with salt the year

PHILADELPHIA

and



around keeps flock healthy and free from stomach worms and ticks. A \$5.00 box makes \$60.00 worth of medicated salt—saves you big money—A \$2.00 size box of To Mix by parcel post will medicate a barrel of salt.

> Write for club offer-booklet on "Nature and Care of Sheep

PARSONS CHEMICAL WORKS

Leona Park Experiment Station,

GRAND LEDGE, MICH.

Canning Club Round-up

N November 23, the thirteen boys' and girls canning clubs of Branch county, held their annual fall round-up. Eighty-five boys and girls finished their summer's work and filled their quota of canned products, having canned a total of five thousand, three hundred and ninety-one quarts. The round-up was an all day affair on Saturday, with exhibits and games in the morning, a banquet at noon and an Achievement Day program in the afternoon. The girls in the canning clubs are now reorganizing for their winter projects which are garment-making and the hot school lunch projects. These clubs are under the direction of Miss Viva Osborn, the County Club

Over two million boys and girls enrolled in the sheep, pig, calf, poultry, cotton, wheat, corn and canning clubs. A splendid young army marching to victory. There ought to be a boys' and girls' sheep club in every county of the United States.



The boys and girls of Michigan are taking a great deal of interest in poul-try raising. The work is pleasant and interesting, and at present prices, a considerable source of income where care and intelligent effort are applied.

The Quality of Holding On

(Continued from page 627).

and really doing nothing worth while. He had to be helped out of his pinch by men who came to the rescue. Now, you may be sure that that man had not learned when a boy to keep cool, to think calmly and then work fast and to some purpose.

How can boys gain that self-mastery which will enable them to meet the hard things that will surely come to them some time or other? That is the thing all want to know, and two or three things will help. In the first place, try hard to avoid accidents of all kinds; but if they do some, say to yourself, and say it quick, "Now it is up to me to deal with this situation. I must keep my thinking cap on. I will not get excited. I will look things over and then do what seems to me best." And then, learn to be independent. That is, when things happen, don't give up beaten. Stick. Work. Be master of the situation. Meet trying things like a man, and it will help you in the days when more difficult conditions

AUCTION SALE

Thursday, Jan. 2, 1919

Consisting of Horses, Sheep, Farm tools, and 30 head of Pure Bred Registered Holstein Cattle.

Headed by Forest City, Pontiac Ormsby King. Purchased from Cleveland City Farms. Sired by Peter Smalls Senior, Sire Maple Crest Pontiac Hartog, with 4 yearly tested Dau hters that have an average record of 16,600 lbs. milk and 813 lbs. butter at the aver ge age of 2 yr. 4 mo., average, 4% fat.

4 Jr. 2 yr., 3 yr. and 4 yr. olds with 24 to 26 lb. 7 day records.

First three dams of my sire average 27.65 lb. butter in 7 days, one as Jr. 2 yr. old.

His dam as Jr. 2 yr. old made 18370 lbs. milk 712 lbs. butter in year.

Her Dam 25823 lbs. milk 1223 lbs. butter. Sires dam Ohio's first 30 lb. cow who in turn has two 30 lb. daughters

Sires dam Ohio's first 30 lb. cow who in turn has two 30 lb. daughters one of which has a 1200 lb. yearly record and a 30 lb. Daughter.

My sire is a Grand son of Pontiac Aggie Korndyke, he is 90% white, gentle and a Perfect Individual. 15 cows 10 with A. R. O. records from 15 to 22 lb. butter in 7 days. 3 Grand Daughters of Pontiac Korndyke that made 16-18-19 lbs. butter in 7 days as Jr. 2 yr. olds, 8 Great Grand Daughters of Pontiac Korndyke 3 due right after sale. Large Perfect individuals, 6 will be fresh at time of sale, a number of others to freshen at once. Everything of serviceable age bred to herd sire. 4 young Bulls nearly ready for service. Herd free from Tuberculosis. Also 2 single unit Perfection milker used only since April. Farm 4 mi, west 1 mi. north from St. Johns reached by G. T. R. R. and Electric line from Lansing. Free Transporatation. Cattle Sale at One o'clock.

MURRETT RIDENOUR, Prop., Bell Phone, R.1, St. Johns, Mich.

Having Decided to Quit the Dairy Business

I Will sell my herd of

REGISTERED JERSEY COWS

Which Contains 20 Head, 19 Cows and 1 Bull Whose ages range from 2 years

to 12 years old. This herd is all bred from advance registered cows, such as:

Lad's Tormentress Altama H. R. No. 218705, Register of Merit No. 1716,

Class A. A., whose record is 581 ibs. 10.7 ozs. butter fat, equal to 684 lbs.

5 ozs. butter in one year. Dropped a living calf 14 days after completion

Lou's Lulu H. R. No. 218703. Register of Merit No. 2264 Class A. A., whose record is 664 lbs. 15 ozs. of butter in one year. Dropped a living calf 17

days after completion of test.

Jersey Lad's Clara Altama H. R. No. 218701. Register of Merit No. 2182 Class A. A., whose record is 614 lbs. 7 ozs. butter in one year. Dropped a living calf three days after completion of test. Her dam has a record of 631.1 lbs. of butter in 351 days. Grand-dam has a record of 608 lbs. 7.7 ozs. of butter one year, at the age of 13 years and seven months.

Jersey Lad's Susan Altama H. R. 219340. Register of Merit No. 2265 Class A. A., whose record is 577 lbs. 3 ozs. of butter in one year. Her dam has a record of 573 lbs. 3 ozs. butter in 341 days. Grand-dam has a record of 524 lbs. 7 ozs. in 309 days at the age of 11 years nine months.

AL. DeSHANO, Bay City, Route No. 2, Valley Phone K1322.

BREEDERS' DIRECTORY.

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

CATTLE.

ildwood Farms

Breeders of Best Strains of

Aberdeen Angus Cattle and Duroc Jersey Hogs

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

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

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

Cloverly Angus Good quality bulls of serviceable age and younger. Inspection invited.

Geo. Hathaway and Son, Ovid, Mich.

Pure Bred Aberdeen Angus Bulls of Servicable age; inspection invited.

ANDREW EITEL, Vermontville, Mich.

Tabulations made by the U.S. Department of Agriculture show that the average income over cost of feed from one cow that produces 450 lbs. fat is equal to the average income over cost of feed from 20 cows that produce 100 lbs. each. The average of all official Guernsey records is 450 lbs. fat. Learn more about these profitable cows. Ask for our free booklet "The Story of the Guernsey."

THE AMERICAN GUERNSEY CATTLE CLUB,

GUERNSEY BULLS

Eighteen months old and younger, Grandsons of Golden Noble II; free from disease. Guaranteed in every particular and at farmers' prices.
L. SNYDER, East Lansing, Mich.

MAY ROSE BULLS

A few choice young bulls, 4 to 10 months old, grand-sons of Don Diavols of Linda Vista, greatest bull of the Guernsey breed, Tuberculin tested and free from disease. BALLARD BROS, R. 4, Niles, Mich

GUERNSEYS must reduce herd, so offer dispussed breeding also bulls, all stock of A. R. breeding, herd tuberculin tested.

7. HICKS, Battle Oreck, Mich.

Registered Guernseys one 20 months old Guernsey Heiter \$175. One is months old \$125, both bred and right in every way. J. M. WILLIAMS, No. Adams, Mich.

Guernseys 45 Registered head, all th tested. Nora's May Rose King, heads our herd, 19 of his half sisters sold averaging \$1950 each. His bull calves are booked ahead at reasonable prices. Avondale Stock Farm, Wayne, Mich.

GUERNSEY S-REGISTERED Containing blood of world champions. HICKS' GUERNSEY FARM, Saginaw, W.S. Mich

For Sale Registered Guernsey Cattle and Berkshire Swine.
JOHN EBELS, R. 2, Holland, Mich.

GUERNSEYS Registered bulls two years old and under grade heifers all ages, write your requirements, WALTER PHIPPS FARM, 80 Alfred St. Detroit

"Winwood Herd" REGISTERED Holstein - Friesian Cattle

FLINT MAPLECREST BOY

His sire is Mapleorest Korndyke Hengerveld. His three nearest dams each over 30 lbs. of butter in 7 days. His dam and granddam both made over 1232 lbs. of butter in one year. It is the yearly cow we are looking for to deliver the goods. Flint Mapleorest Boy's Dam is Gluok Vassar Bell, 30.37 lbs. of butter in 7 days and 121 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 12 months old. From A. R. O. dams and sired by Flint Mapleorest Boy, which we will sell at a dairy farmers price breeding considered. Just think 40 more cows to freshen which means more bull calves. Let us know your wants. We will make terms on approved notes.

JOHN H. WINN, Inc.

Lock Box 249.

Roscommon Mich.

Lock Box 249, Roscommon Mich. Reference Roscommon State Bank,

Top-Notch" HOLSTEINS

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

McPherson Farms Co., Howell, Mich.

A Good Note accepted in payment of finely bred reg-istered Holstein bull calves. Quality of the best, and at prices within reach of all. Write GEO. D. OLARKE, Vassar, Mich.

The Pontiac Herd

"Where the Champions come from"

Offer Bull Calves sired by sons of Pontiac Korndyke, Hengerveld DeKol, Pontiac Dutchiand, or Admiral Walker Pietertje.

Do you want a Pontiac in your herd? Pontiac State Hospital, Pontiac, Mich.



A Dairy Cow in No Country lasts to above six to ten years. Age, accident and failures constantly cause cows to be sent to the but-cher. Cow of the Holstein-Friesian breed are large, weighing 1000 to 1500 lb., and make an excellent quality of beef.

If interested in

HOLSTEIN CATTLE

Send for our booklets—they contain much valuable information.

HOLSTEIN FRIESIAN ASSOCIATION OF AMERICA, Box 164, Brattlebore, Vt.

Herd The Iraverse

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

TRAVERSE CITY STATE HOSPITAL Traverse City, Mich.

FOR SALE Very large, stocky Holstein bull calf 85% white, dam 1400 lbs. heavy milker, tests 42. Price \$40 if sold by Jan.8th \$45 reg. and transferred. Also a few July Duroc gilts, reg. and transferred \$25.00. B. E. KIES, Hillsdale, Mich.

For Sale at a bargain. A few young bull calves from high producing stock. Buy one of these fine calves and raise a bull for next fall.

A. F. LOOMIS,

Owosso, Mich.

\$75 gets 1 mos. old grandson of all four D.D.Aitkens
Maplecrest Korn, Heng; 26 lb. dam of Johan
Heng, Lad; 20 lb. son DeKol 2nd, Butter Boy 3rd,19 lb.
2 yr. M. L. McLaULIN, Redford, Mich.

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

I Always Have Holsteins To Sell

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

L. E. CONNELL, Fayette, Ohio **CLUNY STOCK FARM**

100--REGISTERED HOLSTEINS--100 When you need a herd sire remember that we have one of the best herds in Michigan, kept under strict sanitary conditions. Every individual over 6 mos. old regularly tuberculin tested. We have size, quality, and production records backed by the best strains of breeding.

Write us your wants.

R. BRUCE McPHERSON, Howell, Mich.

Want Yearly Records?

Our new sire has four sisters whose semi-official records are 677, 742, 913 and 946 pounds of butter in one year respectively at 2 to 3 years of age. His dam is a daughter of Friend Hengerveld De Kol Butter Boy, four of whose daughters have records over 1000 pounds and she is also a granddaughter of Pontiac Aaggie Korndyke, with six daughters above 1000 pounds of butter in one year.

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

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

Reg. Holstein bull calf born June 18-18, extra choice individual, very choice breeding price \$100 reg and del. J. ROBERT HICKS. St. Johns, Mich.

Two high grade unregistered Holsten heifers past yr.old, one fresh other fresh soon. Price \$100 each B. B. REAVEY, Akron, Mich



Maple Lane R. of M. Jersey Herd. Bulls, bull calved and heifer calves sired by one of the best grandsons of Pogis 99th of Hood Farm and out of R. of M. dams. IRVIN FOX. Allegan, Mich.

H illside Farm Jerseys, offer 3 yearling bulls, backed by tested dams, and sired by a double grandson of Royal Majesty, first prize & junior champion at Mich, State Fair, good individuals. O. & O. Deake, Ypsilani, Mich

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

JERSEY BULLS WATERMAN & WATERMAN, Ann Arbor, Mich.

THE Jersey is famous for the fittle money it costs to keep the compared with the big yield she gives in return. Owning a Jersey is like having money invested with sure interest. It has required 200 years to develop her perfection—to-day she is supreme. Write breeders for prices and pedigrees and let us give you valuable facts, free.

The American Jersey Cattle Club 346 West 23rd Street New York City

Meridale Interested Owl No.111311 heads my herd, bull calves from this great sire and out of R. of M dams for sale. C. B. WEHNER, Allegan, Mich

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

LILLIE Farmstead Jerseys. Young bulls ready for cows. COLON C. LILLIE, Coopersville, Mich.

FOR SALE Reg. Jersey bull 14 months old St. Lambert breeding.
J.E. MORRIS. Farmington, Mich. J.E. MORRIS.

Heretords

5 Bulls 9 to 14 months old Prince Donald, Farmer and Perfection Fairfax breeding.

ALLEN BROS. Paw Paw, Mich.

Herefords Polled and Horned blood lines embrace Fairfax. Polled Perfection and Prime Lad 9th breeding. Prices reas nable. COLE & GARDNER. Hudson, Mich.

Herefords Bob Fairfax 494027 at head of herd. Stock for sale, either sex, polled or horned, any age. Priced right. EARL O. McCARTY, Sec'y. H. B. Ass'n, Bad Axe, Mich.

Francisco Farm Shorthorns We maintain one of Michigan's good herds of Scotch and Scotch Topped cattle. They are well bred, properly handled and price reasonable. Come and see; we like to show them.
P. P. POPE. Mt. Pleasant, Mich.

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

SHORTHORNS For Beef and Milk.

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

BIDWELL STOCK FARM,
Box B, Tecumseh, Mich.

Richland Farm Shorthorns

Sires in Service: Fair Acres Goods and IMP.
Lorne-Michigans Grand Champion Bull. The
largest Herd of Scotch cattle in the State-Every
animal Tuberculin Tested by the Sanitary Commission. Special offer on two extra good white
bulls. The kind that produce roan calves.

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

For Sale Shortherns of Quality Scotch and Scotch Topped descendents of Archers Hope, Ayondale, Maxwalion Sulton and White Hall Sulton by the Oscola Co. Shorthern Breeders Ass. JOHN SCHMIDT, Sec. Reed City, Mich.

Shorthorn Seven Scotch and Scotch Topped bulis W. B. McQUILLAN, R. 7, Howell, Mich.

Shorthorn Bulls ready for service of the choicest breeding. Write me you wants.

A. A. PATTULLO, R. 4, Deckerville, Mich.

For Sale Shorthorn Bulls of the choicest breeding and ready for service.

LUD HASTINGS. Napoleon, Mich

Shorthorns 100 head to select from. Write me your wants, price reasonable. Wm. J. BELL, hose City, Mich.

The Kent Co. Shorthorn Breeders have both males and females for sale. Ask about them.

L. H. LEONARD Sec., - Caledonia Mich. For Sale Best Bates Shorthorns; cows, heifers on Sale and young bulls at reasonable prices, CLARE RIGGS, R. 4, Mason, Mich.

Oakwood Shorthorns. Three bulls sired by Gloster Boy 469651,9 to 12 months old.

Milking Shorthorns of most noted families either oSOAR SKINNER, Pres. Central Mich. Shorthorn Ass'n., Gowen, Mich. Scotch Shorthorn. A fine lot of young bulls for JOHN LESSITERS SONS, R. 1, Clarkston, Mich.

Scotch Shorthorn Bulls including a roan year-ling prospective herd header a grandson of Imp. Villagr. LAWRENCE P.OTTO, Charlotte, Mich.

For Sale Roan Shorthorn Bull 1 yr. old, also calves good milking strain.
OHAS. WARNER, Jr., Imlay City, Mich. Stockers & Feeders For Sale

180 Shorthorn Steers ave. 1065 lbs.
170 Hereford Steers ave. 280 lbs.
2 cars of yearling Herefords ave. 750 lbs.
2 cars of Shorthorn yearlings reds and roans.
These steers are dehorned and in good fiesh. Wapello
Co. Ia. is noted for its good cattle. Write
JOHN CARROW, B. 3, Ottumwa, Ia.

HOGS

For Sale Reg. Berkshire Sows & Boars all ages, BUSSELL BROS., R. 3, Merrill, Mich.

TOP Cherry King J 102629 a Senior Yearling by Orion Cherry King T, by Orion Cherry King, one of our herd boars, he is right and is to be sold; a spring boar by Mich. Cherry Col.118479 by Cherry Friend by Orion Cherry King. If you have not a herd boar, write today. THE JENNINGS FARMS, Bailey, Mich.

Duroc Jerseys Big heavy boned spring boars winners at State and County Fairs. Place order early.

F. J. DRODT.

R. 1. Monroe, Mich.

Duroc Boars, Gilts, Big, Long. Tall, 200 lb, choicest breeding. Also an A.R.O.1 yr, Holstein bulk. F. E. EAGER & SON. Hewell, Mich.

Additional Stock Ads. on Page 637



SECOND EDITION.

The markets in this edition were revised and corrected on Thursday afternoon, December 26.

WHEAT.

Wheat values are being maintained at the higher figures recorded last week. Domestic consumption of white flour is active and foreign demands for American wheat continue urgent. Primary receipts are generally running below those of a year ago. At this date in 1917 No. 2 red wheat was quoted on the local market at \$2.17 per bushel. Present prices here are:

	No.										\$2.30
	No.	2	mix	ed							2.28
į	No.	2	khi	te							2.28

CORN.

On Saturday the corn market showed considerable strength which was accounted for in part by continued rainy weather. Advises also show that in the surplus corn states there will be about 150,000,000 bushels less of this grain than for the average year. be about 150,000,000 bushels less of this grain than for the average year. Old stocks are being tolerably well de-pleted and any considerable interfer-ence with the delivery of corn from farms promises to have a direct influ-ence on prices. Generally speaking, the market is in a fairly strong position. One year ago No. 3 corn was quoted at \$2.05 per bushel. Present prices here are as follows:

Ē	as follows:	
	No. 3 corn	1.50
	No 3 vellow	1.55
	No. 4 vellow	1.50
	No. 5 vellow	1.44
	No. 6 vellow	1.38
	No. 3 white	1.55
Š	hicago.—Chicago's market	fluctua

ed with January corn quoted at \$1.38% and May at \$1.35%.

OATS.

are as follows:

Standard	
No. 3 white	741/2
No. 4 white	73½

RYE.

Quotations here remain unchanged with the close of last week. Buying is of a mediocre kind. No. 2 cash is now quoted on the local market at \$1.61 per bushel.

BEANS.

No changes are noted in prices. The volume of business is small. Government buying has been the chief support to the trade the past fortnight. At Detroit cash beans are quoted at \$9 per cwt. at shipping points. The Chicago market has liberal stocks and a slow demand. Prices there are easy but unchanged with Michigan hand-picked pea beans of choice to fancy grades quoted at \$9@9.25 and red kidneys, choice to fancy, new at \$11.50@12.

SEEDS.

Values are unchanged in this department, with prime spot clover quoted on the local market at \$25; March at \$25.25; alsike \$19.25; timothy \$5.10.

FEEDS.

Mill feeds are higher than last week. Detroit quotations for feed in 100-lb. sacks to the jobbers are: Bran \$47; standard middlings \$50; coarse corn meal \$62; cracked forn \$63; corn and oat chop \$50 per ton.

HAY.

This market has held steady following the reduction in prices a week ago. Demand is fairly good and supplies are moderate. Quotations are as follows:

No. 1 timothy...\$28.50@29.00

Standard timothy. 27.50@28.00

No. 1 mixed ... 25.50@26.00

No. 1 clover... 24.50@25.00

Pittsburgh.—Arrivals of hay here are extremely light, especially of the good grades. Prices show an advance since a week ago. They are:

No. 1 timothy...\$30.000@30.50

No. 1 light mixed 27.50@28.50

No. 1 clover mxd 27.50@28.50

No. 1 clover... 26.50@27.50

POTATOES.

There is very little activity in producing sections and prices are not much changed from last week. On Monday morning the Detroit trade was Monday morning the Detroit trade was slow and the movement draggy with only moderate supplies on hand. The Michigan round and long whites in generally good condition were quoted at \$2.75 per 150-lb. sack, and a few small lots were sold at \$2.75. At Cleveland Michigan stock sold at \$1.90 @2.00 per cwt. for U. S. Grade No. 1; at Columbus \$2.25; at Cincinnati \$1.90 @2; at Pittsburgh at \$2.00; at New York \$3.15@3.20 per 150-lb. sack, and Chicago \$1.80@1.90 per cwt. The Chicago market has been leading in prices among the central western markets during the past few days. In Michigan growers are receiving at warehouses \$1@1.30 for round whites, bulk U. S. No. 1. Some growers are storing, belowing that prices will improve some No. 1. Some growers are storing, be-lieving that prices will improve some later on.

APPLES.

There is a moderate movement of apples and the demand is about normal. At Detroit on Monday sales from cold storage were made at the following prices: Baldwins \$4.50@6; Kings \$6.75 per bbl. The Chicago market is firm at steady prices. Spies bring \$6.75 @7.25 for the best grade, and Kings \$6.50@6.75.

EGGS.

The majority of the markets show some weakness. The continued warm weak ress. The continued warm weak r has been an aid to production. In Cb'ago prices have declined with first red at 59@60c; ordinary firsts at 5, 537c. The Detroit price has declined three cents to 60½c for extra firsts candled in new cases and 59½c for firsts. The New York market is weak with nearby western hennery stock ranging from 70@85c.

Several and Illing influenza.

BUTTER.

Oat trading is being conducted on about the same plane as a week ago. There is a broad demand for this grain although foreign shipments are not so large as they have been. Primary receipts are of about normal volume. Standard oats a year ago were quoted here at 82c per bushel. Present prices are sollows:

The trade is rather slow and buyers the malady, with good results. The hogs cough, lay around and do not eat, and pigs and hogs alike are affected. For several weeks it has been impossible to obtain quick service in the Chicago stock yards because of the enormous receipts of cattle and hogs, weighing and other facilities are as follows: The trade is rather slow and buyers

at 55@66½c, with the market reported lower. In New York trading is lower, with the range in creamery prices from 63@69c.

CHEESE.

This trade continues quiet and easy. The consumptive demand is small and stocks are being used to build up the storage supplies, especially in larger markets. Young Americas are quoted at 37c in Chicago and Daisies 36c. In New York the market is firm with the fresh specials quoted at 36½@37½c, and do. average run at 35-@36c. The Detroit trade is about steady with flats quoted at 36@36½c and daisies at \$37.

POULTRY.

POULTRY.

The warm weather has been a disappointment to the poultry trade. Retailers have apparently been afraid to load up and this has hurt the business all along the line. At Detroit live poultry is quoted as follows: Best spring chickens 27@28c; hens 22@27c; ducks 34@35c; geese 26@27c; turkeys 35@36c; dressed hens are quoted at 29@30c; springs 30@32c; ducks 38@40c; geese 30@32c; turkeys 42@45c. Rabbits are quoted here at \$3.50@3.75 per dozen.

DETROIT CITY MARKET

The nearness of the holidays has given new life to the city markets. Prices observed early this week are as follows: Potatoes \$1.10; onions \$1.25; carrots 50@65c; cabbage 50c; parsnips 60c; rutabagas 75c; popcorn \$3 per bushel; butter 75c; eggs 85c per dozen; dressed chickens 35c; dressed ducks 45c; geese 48c; turkeys 50c; pork 23c.

pounds heavier than the general average for the corresponding week in the last eight years.

Were it not for the government fixed minimum price for hogs in the Chicago market, hogs would be selling several dollars lower than the general average for the corresponding week in the last eight years.

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Were it not for the government fixed minimum price for hogs in the Chicago market, hogs would be selling several dollars lower than they are, the receipts having been greatly excessive much of the time.

There is a fair demand for breeding ewes, which are scarce, and feeder lambs are in moderate request. In the Chicago market recently came from Iowa and Illinois, with a "w scattered shipments from Indiana and Wisconsin. Decicedly too many half-fat flocks are being marketed.

There is a good wees. The greater part of the lambs offered on the Chicago market for feeding steers weighing 900 pounds and over, but little stock steers weighing around 500 to 700 pounds are neglected.

The nearness of the holidays has given new life to the city markets. Pricses observed early this week are as follows: Potatoes \$1.10; onions \$1.25; carrots 50@65c; cabbage 50c; parsnips 60c; rutabagas 75c; popcorn \$3 in per bushel; butter 75c; eggs 85c per stocked ducks 45c; geese 48c; turkeys 50c; pork 23c.

LIVE STOCK NEWS.

Several districts of Indiana, Iowa and Illinois report the prevalence of influenza among the hogs, and a serum is used by veterinarians for checking the malady, with good results. The hogs cough, lay around and do not eat, and pigs and hogs alike are affected.

For several weeks it has been impossible to obtain anick service in the

feed has been delayed at times, and shippers have complained of resulting

shrinks.

There has been a large showing of hogs weighing from 200 to 240 pounds in the Chicago marketings recently, and young hogs have been making rapid gains on rations of new corn, the weather conditions having been favorable for putting on weight. Never in the past has average quality been so good or weight so heavy at this season. Recent receipts of hogs have averaged 223 pounds, being 16 pounds heavier than a year ago, 30 pounds heavier than two years ago and 12 pounds heavier than the general average for the corresponding week in the last eight years.

"Peach-Growing," by H. P. Gould, pomologist in charge of fruit production investigations of the United States Bureau of Plant Industry. This book discusses the general field of the growing of peaches and how to place them within the reach of the consumer. The volume is thoroughly illustrated, contains over 400 pages, and is sold by the Macmillan Company, New York, at \$2 per copy. per copy.

SHEEP

Hampshire Shropshire and Oxfords, either sex, send for cir-

KOPE KON FARMS, Kinderhook, Mich.

Hampshires am offering for sale 10 yearling Rams also 5 ram lambs F. A. SIMMONS, - - Rockford, Mich.

FOR SALE Shorpshire Ram lambs 10 bred was and 10 Ewe lambs.

ARMSTRONG BROS, R. 3, Fowlerville, Mich. Shropshire Am offering 8 yearling rams now. Also 12 young ewes for December delivery. C. J. THOMPSON, - Rockford, Mich.

Shropshire Rams Yearlings and Ram B.D.KELLY & SON, - Ypsilanti, Mich OXFORD Down Ram lambs, also a few ewe lambs, Berkshire both sexes. Booking orders for fall pigs, CHASE STOCK FARM; R. 1, Marlette, Mich.

Oxfords No More To Offer

For Sale Registered Oxford Down rams and be seen at FAIRVIEW STOCK FABM, Fred Wolfe, Snover, Mich.

HORSES

PUBLICAUCTION

E.Sours farm, 5mi. N.of Williamsburg, Mich. Wed. Jan. 8, 1919, at 12M. Imported Black Percheron Stallion Kornet (91631) 93848. Elk Rapids Horse Co.,

F. E. SOURS, Sec'y. Williamsburg,

Horses Will Be Horses Soon

PALMER BROS, Belding, Mich. R.R. Orleans,

FOR SALE two registered for Stud Colte, coming three, weight 1600 lb. each, on liberal terms. a fine pair of colta, ready for service JULIAN A. PALMER, Camden, Mich

Percherons, Shorthorns and Duroc Jersey, M. HIOKS & SONS, R. 2. Williamston, Mich.

Percharons, Holsteins, Angus, Shropshires, Durocs DORR D. BUELL. Elmira. Michigan. Percheron Stallions and mares of reasonable prices; inspection invited.

Charlotte, Mich.

Live Stock Market Service

Reports for Thursday, December 26th

DETROIT

Cattle. Receipts 1.415. Market steady.

Trecorpes Tillo.
Best heavy steers\$12.50@16.00
Best handy weight bu strs 10.00@12.00
mixed steers and heifers 8.00@ 9.00
Handy light butchers 7.00@ 8.00
Light butchers 6.00@ 7.00
Best cows 8.50@ 9.00
Butcher cows 7.00@ 8.50
Cutters 6.00@ 7.00
Canners 5.50@ 6.50
Best heavy bulls 8.50@ 9.50
Bologna bulls 7.50@ 8.00
Stock bulls 5.50@ 7.00
Feeders 8.50@10.50
Stockers 6.00@ 8.50
Milkers and springers\$ 65@ 128
Veal Calves.
Receipts 720. Market active.
Post \$18.00@19.00

Others Sheep and Lambs.

Sheep and Lambs.

Market st

Receipts 7,275. Market steady.

Mixed hogs.

BUFFALO.

Cattle.

The cattle market is steady. Prime steers \$17.017.50; fair to good \$15.250; light coarse and common \$10.011.50; choice heavy butcher steers \$15.00.12; fair to good at \$10.750.01; light and common \$10.00.00; fair to good at \$10.750.01; light and good \$13.50.014; best handy butchers steers \$11.50.012; fair to good at \$10.750.011; light and common \$9.09.50; yearlings, choice to prime \$16.017.50; wethers, medium and good \$10.011.15.

medium to good \$12@15.25; best heavy heifers \$11@11.75; fair to good \$10.25 @10.75; good butcher heifers \$10@10.25; fair butchering heifers \$8@9; light common \$5@7; best fat cows \$10@11; butchering cows \$7.50@8.50; canners \$5@5.50; cutters \$5.50@6.50; fancy bulls \$10.50@11; butchering bulls \$8.50@9.50; common \$6.50@8; feeding steers \$8.50@11.50; stockers \$5@7; milkers and springers \$75@150.

Hogs.

Pigs are slow at \$17; others \$17.50.

Sheep and Lambs.

The lamb market here today was weak, with the top price reaching to \$15.75; calves from \$7@20.

CHICAGO. Cattle.

Receipts 6,500. Beef steers 25@50c \$18.00@19.00 higher; butcher cattle and feeders are 6.00@16.00 mostly 25c higher.

Good choice and prime \$15.75@19.75; Receipts 2,868. Market steady, with theep 25c lower. Stands 14.50 (2013.50; belogna bulls \$7.25@12.50; air lambs 13.06@14.00 (2013.50; belogna bulls \$7.25@12.50; air to good sheep 25c lower. Stands 14.50 (2013.50; belogna bulls \$7.25@12.50; air to good sheep 25c lower. Stands 14.50 (2013.50; belogna bulls \$7.25@12.50; air to good sheep 25c lower. Stands 14.50 (2013.50; belogna bulls \$7.25@12.50; air to good sheep 25c lower. Stands 14.50 (2013.50; belogna bulls \$7.25@12.50; air to good sheep 25c lower. Stands 14.50 (2013.50; belogna bulls \$7.25@13.50; belo

SELF-FEEDER PROVES VALUABLE.

T WO uniform lots of hogs fed in a cooperative demonstration by Mr. David Lydy, of Morgan county, Indiana, demonstrated the value of the self-feeder and the addition of tankage to a ration of soft ear corn. The addition of 0.65 of a pound of tankage to ninety pounds of soft ear corn, both fed in the self-feeder, produced 12.4 pounds of pork. When fed on the ground without supplement, ninety pounds of soft ear corn produced 5.3 pounds of pork. These results have been of greater help toward changing methods in that community than any other form of live stock extension work.

A FREE SERVICE.

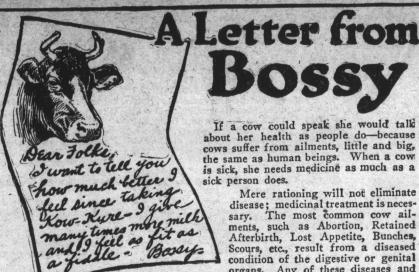
WHERE farmers are in doubt as to whether lime or phosphates are a help to their farms, the Department of Farm Crops M. A. C., is inviting them to send samples of their soil to East Lansing, for free analysis. Reports obtained by the college from farmers who have submitted samples of their soil for analysis, and then have adopted such corrective measures as were suggested, tell of much success in improving the yielding power of their land. These increases have amounted to from ten to one hundred per cent.

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peace note



Mere rationing will not eliminate disease; medicinal treatment is necessary. The most common cow ailments, such as Abortion, Retained Afterbirth, Lost Appetite, Bunches, Scours, etc., result from a diseased condition of the digestive or genital argans. Any of these diseases and organs. Any of these diseases and many others can be successfully

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Hous.

DUROC JERSEYS Bred sows and gilts and big growthy fall boars. Pairs not related. Special price on a bred sow and fall boar not akin.

NEWTON BARNHART, St. Johns, Mich.

SPECIAL OFFER For \$50, we are offering unrelated trios of Duroc fall pigs of Sept. and Oct. farrow. Single pig \$18. This offer is not good after Jan. 1. RUSH BROS., Romeo, Mich.

Duroc Gilts and fall pigs sired by E. D's Defender Gol. from King The Col. dams, E. D. HEYDENBERK. Wayland. Mich.

DUROC JERSEYS Nothing but spring pigs for sale. OAREY U. EDMONDS, Hastings, Mich.

Duroc bred gilts for March and April farrow with quality and size. Fall pigs both sexes not akin. W. C. TAYLOB, Milan, Mich.

LAST fall gilts all sold, have a good lot of last spring west of depot, Citizens Phone 124.

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HAVE started thousands of breeders on the road to success. I can help you. I want to place one hog from my great herd in every community where I am not already represented by these fine early developers—ready for market at any months old. Write for my plan—"More Money from Hogs. S. S. BENJAMIN, R. F. D. 10, Portland, Michigan

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F. W. ALEXANDER, Vassar, Mich.

Chester Whites Bargain in July boars and gilts.
G. A. WILSON, R. 4, Deckerville, Mich.

Chester Whites Open spring gilts priced to sell also White Embden ganders.

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THE WORLD'S CHAMPION big type O.I.C'S. Stock of all ages for sale. Herd headed by Calloway Edd, the World's Champion O. I. C. boar assisted by C. C. Schoolmaster, Grand Cham-pion boar of Michigan, New York and Tennessee state fairs. Also, C. C. Glant Buster, undefeated Senior boar pig wherever shown and Grand Champion of Ok-lahoma state fair. Get our catalogue of Grandell's prize hogs, Cass City, Michigan.

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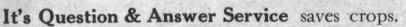
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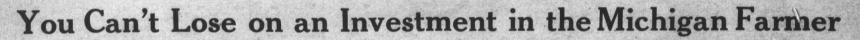


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\$1.65	The Michigan Farmer, 1 yr\$1.00 Hoard's Dairyman, one year 1.00 Total value\$2.00

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