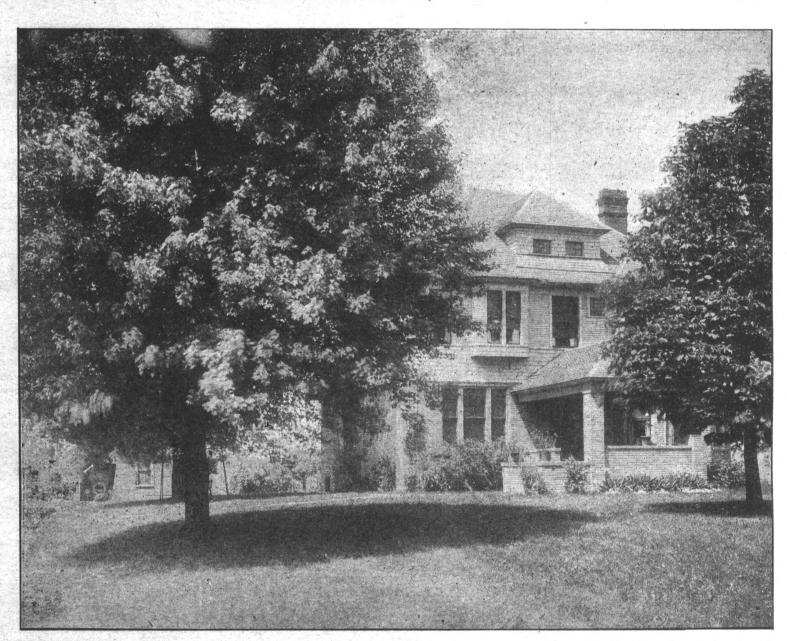


VOL. CLV. No. 9 Whole Number 4112 DETROIT, MICH., SATURDAY, AUGUST 28, 1920

ONE YEAR \$1.00 FIVE YEARS \$3.00



(Boardman Home, Jackson County)

THE WONDERFUL resources of the country have constantly kept the temptation to lavishness, extravagance and speculation before the American people. Their environment has led them to become unthrifty and we may say, with little hope of successful contradiction, the most extravagant people in the world. The sky has been so well illuminated with stars of industrial opportunity, that we have thought it superfluous to prepare for a rainy day. Sooner or later, however, we shall be obliged to learn the old lesson of economy when the income turning to us through thrift, will be greater than we can expect to receive by luck or

chance investments. As that day approaches we shall increase our interest in cooperation, for it offers the simplest and most natural way of saving. In fact we find in those communities, where the people in days past were for some reason hard pressed, that they have turned to it and found relief. By stopping losses in the cost of growing and marketing and by saving through scientific purchasing of supplies, these people have developed thrifty communities in which the future looks even brighter than the skies over those districts where nature has been most lavish in her resources but where the need for cooperation has not yet been appreciated.

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DETROIT, AUGUST 28, 1920

CURRENT COMMENT

The Primary Election

dates for state, district and county offices

will be held. On this day it is the duty of the fact that the women of our state that the women of our state that the right of franchise, and should realize that the right carries with it the same responsibility and obligation which devolves upon the male voters. It is a responsibility specific to the same office, because of the present incumbent. Was prominent leader of dry forces in the legislature during the fight to make Michigan dry the male voters. It is a responsibility gan dry.
and obligation which every citizen should recognize and discharge in the interest of good government. The duty interest of good government. The duty he became an advocate of better highof voting at the primary election is eral election. Indeed, the kind of public servants for whom we have the opportunity to vote at the election is determined, so far as the major offices are concerned, at the primary election and from this standpoint the primary election is the more important.

The Michigan Farmer is in no sense a political organ. We have no favorites or affiliations among political parties or candidates for political offices. We always have confined, and shall continue to confine, our efforts toward civic betterment to principles of good government and issues relating to them, rather than to advice regarding the selection of men to fill public offices. But we are interested in good government in nation, state and all of our lesser civic wants, and deem it our plain duty to urge our readers to attend the primaries and express their own choice of available candidates for all offices for which candidates will be selected on Tuesday, August 31.

The state offices for which candidates will be selected at the coming Was chairman republican state central primary election are governor and lieuenant-governor. Candidates for the other state offices will be nominated ed attorney-general and was reelected at party conventions to be held within in 1918, being the present incumbent. thirty days thereafter. For these nominations the principal contest is on the republican party ballot, due to the large normal republican majority among the voters of this state. For governor there are nine candidates on this ticket, and for lieutenant-governor an Oakland county farm about sixty two. For the information of our readers we are giving herewith a list of these candidates and such brief statements of the past public activities of 1889, when he moved to Detroit. Lateach as we have been able to glean from impartial and authentic sources, years ago organized the Detroit bank

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Detroit, Michigan

Detroit, Michigan follows in alphabetical order:

Milo D. Campbell, Coldwater. Born in Branch county in 1851. Resident of county ever since. Graduate State Normal. Studied law and was admitted to bar in 1877. Elected county superintendent of schools at 21. Representative in legislature in 1885. Executive secretary to Governor Luce 1887-1891. Appointed as state commissioner of insurance by Governor Pingree in 1897. Made chairman state tax commission when body was created in 1900. Later served eight years as United States Marshall for eastern district of Michigan. For a time served on state prison board and on railway crossings board. In addition to professional and politi-In addition to professional and political activities has long been interested in agriculture. Owns a fine dairy farm. Is now President of National Milk Producers' Association and Chairman General Board of National Board of Farm organizations. While a tentative candidate was petitioned last January torun for governor by joint committee of nine members made up from legislative committees of the State Grange, State Association of Farmers' Clubs and Gleaners, and as representatives of these organizations tendered their of these organizations tendered their

T COMMENT

On Tuesday next
the general primary election, for the nomination of candination of candinations tendents support.

Luren D. Dickinson, Charlotte. Born in western New York in 1859. Has lived on a farm in Eaton country sixty years. Was educated in Charlotte nomination of candinations tendents. teen winters and was at one time principal of the Potterville High School. Always been a farmer and is interestwill be held. On this day it is the duty of every citizen of voting age to attend the primaries and express his choice of candidates for public office. This is a duty which none should shirk, to the a duty which none should shirk, to the fices including superintendent of end that "Government of, by and for schools and supervisor for several the people" may be maintained. We terms. Was representative in legislawould particularly emphasize this matter of civic duty at this time, in view of the fact that the women of our state tenant-governor at the primaries in

ways, and was one of the first men in just as incumbent on every good citi-gen as is the duty of voting at the gen-tothe state senate in 1901, where he was pioneer good roads advocate. When state highway department was created in 1905 he was appointed first state highway commissioner and serv ed till 1909. Was an unsuccessful candidate for governor in 1908. Business is manufacturing and distribution of

manufactures.
Cassius L. Glasgow, Nashville. Bornin Hillsdale county in 1859. Educated at Hillsdale College. Spent his early life on father's farm, later clerk-ed in hardware store and went west. where he was connected with whole-sale hardware house. Came to Nash-ville. Barry county, in 1881, and en-gaged in hardware and implement bus-Held several village offices and as county treasurer. Was electserved as county treasurer. Was elected to state senate of 1903-4, serving in that capacity till 1907. He was made a member of the state railroad commissions. sion in 1907, serving on that body for ten years. In 1910 he entered as a ten vears. In 1910 he entered as a candidate for governor, but withdrew

Alex. Groesbeck, Detroit. Born in Macomb county in 1873. Educated at Wallaceburg. Ont, Worked in sawmill as boy. Studied law at Port Huron and University of Michigan, graduating in 1893. Since practiced law in Detroit. committee in 1912. In 1914 he was one of the five candidates in the reinterested in interurban railway build-

James Hamilton, Detroit. Wayne County Civic Association, that is directing the fight for the proposed

school amendment.
Frank B. Leland, Detroit.

republican primary four years ago, fin-

ishing second.

Frederick C. Martindale, Detroit.
Born in Canada fifty-five years ago.
Came with parents to Wayne county
when two years old. Graduated from
Detroit High School and taught school
are years. Then took course in Detroit six years. Then took course in Detroit College of Law and was admitted to practice in 1897. He was elected to the legislature in 1900, and to the state senate for the terms of 1905-6 and 1907-8. Was elected secretary of state in 1908 and twice reelected. In 1912 he was an unsuccessful candidate for the nomination for governor. In 1914 he was again a candidate, finishing second at the primaries. He now lives on his farm in Oakland county.

Charles S. Mott, Flint. Born in New Jersey forty-five years ago. Graduate Stevens, Institute of Engineering Re-

Stevens Institute of Engineering. Began manufacturing business in small way in New York City. One of organizers of Weston-Mott Co., Utica, N. Y., in 1900. Business later moved to Flint and became unit of General Motors Company of which Mr. Mottis a vice. and became unit of General Motors Company, of which Mr. Mott is a vice-president. Has been three times elected mayor of Flint, when he relinquished a remunerative salary to devote his entire time to the city's interests. Resigned as mayor when United States entered the war. Was commissioned major and placed in charge of army motor truck production in Detroit district. Served in Spanish-American war as naval gunner's mate. ar as naval gunner's mate.

The office of lieutenant-governor is an important one for the reason that he is presiding officer of the state senate and as such appoints the committees of that body, which committees first consider all proposed legislation. A brief statement regarding the two candidates on the republican ticket follow in alphabetical order.

Thomas Read, Shelby. Born at Rochester, N. Y., in 1881. Educated at Ferris Institute and University of Michigan, graduating from law department gan, graduating from law department in 1913. Practiced law in Shelby since that date. Elected to legislature of 1915-16 and reelected two terms, becoming speaker of the house. Charles B. Scully, Almont. Born on farm in Lapeer county in 1878. Educated in Almont High School and the Michigan Agricultural College. Farmer

Michigan Agricultural College. Farmer and live stock breeder, and interested in farmers' business and social organizations. Two years president Michigan State Association of Farmers' Clubs. Elected to state senate in 1916. Reelected in 1918 and made president protem.

There is no contest for the nominaticket. The candidate for governor is Big Rapids, and for lieutenant-governor, Col. Guy M. Wilson, of Flint.

islative offices is quite as important as Harvey Wilce, Empire; Fred Smith, are the selections for executive posi- Elk Rapids. The board is the same as tions. But the civic units which they represent are smaller and the average Smith for Dorr D. Bueil, who recently voter is better acquainted with their resigned to accept the position of Marpublic records. It is important that ket Director of the Michigan. State the best available men be chosen as Farm Bureau. candidates for these offices on every ticket, and this can be accomplished only by intelligent selection at the primaries.

The efficiency with which the business of the counties is conducted during the next two years will also be largely determined at the coming primaries, at which the electors of the state have a complex, as well as an important duty to perform.

News of the Week

Wednesday, August 18.

THE German government decides to take immediate steps for the protection of the east Prussian frontier.— The military is called out at Kingston, Jamaica, to restore order following the general strike of policemen.—Polish military successes threaten four Bolshevik divisions in the counter-offen-sive against the Bug river. Thursday, August 19.

THE American Farm Bureau Federation decides to proceed with more point by going one half mile west, five vigorous national organization work at executive committee meeting in Denver.—The Tennessee legislature rational to "ten mile" sign and then turn fies federal suffrage amendment, which

Vias makes the thirty-sixth state to approve the amendment, thus making it a part of the federal constitution and to women the right of fratthroughout the United States.

Friday, August 20. I TALIAN steamship lines report that there are at least two million Italian applicants for passage to America.—Polish reserves mass between Posen and Thorn to complete their victory over the retreating Russian army, while General Wrangel begins an offensive against Bolshevik troops in southern

Saturday, August 21.

Russia.

HE Polish army is rapidly following up the retreating enemy to the northeast and east of Warsaw.—James Wilson, who served twelve years, as secretary of agriculture, is critically ill at his home in Iowa.—Detroit as an exporting point stood iffth among all the cities of the country during the the cities of the country during the past fiscal year and easily first among the ten important lake ports. Sunday, August 22.

POLISH troops have reached the valley of the middle Bug river, taken an aggregate of 19,000 prisoners and captured great quantities of war material, while the reds are attempt-ing a counter-offensive on the Galician front.—The steamship Willis L. King rammed and sunk the steamer Superior City off Whitefish Point, Lake Superior, Friday night, and it its feared that twenty-eight members of the crew are drowned.—Mine leaders call off the miners' strike in Indiana.

Monday, August 23.

A CCORDING to information coming through England, Great Britain has agreed to recognize the independence of Egypt.-The number of Russian prisoners captured by the Poles is now placed at 30,000.

Tuesday, August 24. A TTORNEY-GENERAL PALMER calls for an inquiry into the reasons for the present high prices of coal.—The Russian Bolshevik forces are reacting along the whole front line in an effort to save the remnants of their army, but so far all efforts have been frustrated by the Poles.—Ruman-ia joins in the Czecho-Jugo-Slav agree-

POTATO EXCHANGE MAKES CHANGE.

'HE Michigan Potato Growers' Exchange has made plans to market potatoes through its own sales force, thus dispensing with the services of the North American Fruit Exchange which has had control of the sales for the past two years.

At the annual meeting of the representatives of the various local association for these offices on the democratic tions held at Cadillac August 18, the following board of directors was elect-Ex-Governor Woodbridge N. Ferris, of ed for the coming year: Henry Curtis, Jennings; H. F. Baker, Weadlock; A. B. Large, Cadillac; Oscar Welrich, The selection of candidates for leg- Hart; Charles A. Wood, Kingsley; E. last year with the substitution of Fred

MUCK FARMERS MEET.

THE interest taken in muck land agriculture has already added millions of dollars to the value of the agricultural industry of this state and the work along this line is as yet scarcely begun. Ezra Levin, pioneer muck land specialist informs us that the next meeting of the Michigan Muck Farm-ers' Association will be held on the farm of William Clarkson, six and onehalf miles southwest of Brown City, on September 6. Experiments have been igan Agricultural College and the results of the work will be studied by the members and friends who attend this meeting.

this meeting.

The meeting will continue throughout the day, the morning being given over to a study of the plots and the afternoon devoted to addresses on topics related to this line of farming. Bring your lunch and stay all day. Arrangements have been made to meet the two morning trains at Brown City. Automobiles reach the farm from that noint by going one half mile west five

Do We Need A Forestry Policy?

Productive Land Makes Busy People Who Are Always More Contented Than Those With Idle Hands-By F. H. Sanford

HENRY S. GRAVES, late Forester furnish that man and his family with: able in new land holdings where per-farmer of today produce more crops. "A national policy of forestry land for agriculture. resources; 2. The renewal after cut- conditions.

forestry was being evolved his defini- low swamp. tion could .not have been more com-

Let us consider this as a policy of forestry for Michigan under the same headings and see how it fits us.

1. It seeks the protection and beneficial utilization of our forest resources. Such an item in a policy for Michigan today comes too late to save state forest wealth in the form of standing, mature or semi-mature and growing timber. It would not be too late to protect the yet unburned reproduction and soil humus of the vast cut-over areas, and in so far as the prevention of ground burning and vegetable cover destroying yearly fires is concerned, it would help to conserve a natural resource.

The State owned lands are very largely cut-over and few or many times burned over lands. They have some timber and this will doubtless be beneficially utilized under the present policy. The biggest job is the bringing of privately owned cut-over lands and the remaining timber on them, under "beneficial utilization," because of the plete soil survey on these cut-over and ing place from farm to city in some

Development along right lines does work that can be done. Michigan endurance. needs every acre of her food producwho does that work or is to do it.

man and his family before it can ex- recognized as such as well. pect him to go upon new land and

ting of forests on lands not needed for The evidence regarding the value of ment. agriculture and settlement. 3. The the land for agriculture can only be stability of forest industries, and of obtained by expert study and investi- both agriculture and settlement but is just and that an unfair profit be satisfactory conditions for forest gation. Michigan soils vary so greatly there are very apparent and real ob- punishable as is any larceny; workers, and the restoration of forest that it is a common thing to find ad-stacles to the fulfillment of that need. growth on lands now unproductive and joining farms or lots on a single farm Agriculture must be capable of estab- in Michigan must produce its crop When he made this statement he value. It is not safe to pass judgment land as well as insuring the settler a Good soils produce good crops and had in mind no particular state but on one quarter section of land and good living, otherwise that settler with such there is little need for rather the whole great forest area of report the whole section as the same. soon goes to the industrial center worry. The good soil farms are not the entire union. But if Michigan had Soils with a single acre may vary from where wages give him the things he losing their workers today. There is been the subject for which a policy of clay to sand, from rich loam to shal- demands for his family. To illustrate little need for the State to send its

of the United States, recently 1. Evidence as to the value of the sonal service alone can give the aid needed.

ficial utilization of our present forest to adapt his operations to the new newal after cutting of forests on lands labor and capital, be honest and fair. not needed for agriculture and settle-

lying at the two extremes of soil lishing and maintaining itself on new and that that crop must pay its way.

It must begin with the demand on the part of the whole people that every seeks: 1. The protection and bene- 2. Service in assisting that farmer The second item calls for the re-activity of mechanic and farmer, of

> It must begin with the demand that every hour of labor be a just hour Michigan lands may be "needed" for and worth its pay: that a fair profit

That every acre of producing land this, it is only necessary to mention experts to analyze and classify such The need for a careful and com- the general exodus that has been tak- farms, for they have been well classified by their owners for years.

The need for classification and assistance lies with doubtful farms, the abandoned and non-producing farms and with the idle cut-over and privately owned waste lands of the State.

The question of agricultural value of such land must be definitely settled once and for all before forestry cropping can be undertaken as the remaining alternative.

And now to the third part of our text-"The stability of forest industries and of satisfactory conditions for forest workers."

No land should be allowed to lie idle. If it fails to produce a living return to the farmer, it should at once receive the necessary aid from the State to place it in the producing class.

Forests are long time crops. man can plant and live to harvest his Michigan forest crop. This fact renders the growing of timber as a money crop an impossibility of the individual.

In such a case the State or the Public Service, or long time Private Cor-An era of Mechanical Life bids fair poration becomes the logical promoter

Michigan used her forest wealth in To combat this tendency the State order to develop and establish her

Michigan has a long life ahead of her. One hundred years will be but 1. Increasing production on one as a day in her life. The crop of timber that she will produce in the next

Luckier than many states of the Increasing production must start union, she has millions of acres that (Continued on page 237).



Community Camp in Cut-over Lands of Roscommon County.

hope of the owners for profitable sale, undeveloped lands is most urgent.

No man or company should be al- two years. utilize the resources beneficially. Bona lowed to offer such land for sale as fide agricultural development of cut- farm land until they could vouch for to overshadow and cripple the agri- of forest cropping. over Michigan land is the very best its agricultural value and cropping cultural activity of Michigan.

ing land handled in the most intensive ural resources of Michigan be devel- wealth as intensively as possible. A logical one to call upon her prosperity manner and with profit to the farmer oped beneficially, for along with the balance must be maintained between to recover and make her waste land The State has a duty to fulfil to that forest soils will become known and producers and the consumers.

The State aid to the new seller is spend his life and his savings in the now available in a limited way hand. struggle to subdue and develop a farm through the County Agent and specialist service, but should be much more other. That duty may be stated clearly and developed, and further. The rule for

sections of Michigan during the past

Only by such action may the nat- must develop and handle its soil prosperity. She now becomes the determination of agricultural soil, the these two great industrial forces—the productive.

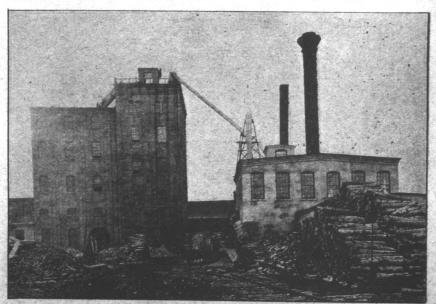
This can only be done by:

2. Decreasing cost of life on the one hundred years will save her "day."

briefly in this way. The State should specialist demonstrations is not work- farther back than the demand that the



Forest Schools of the State are Annually Turning Out Foresters, Trained and Ready to Take Part in the Great Job of Reforesting Vast Areas Now



Many of Michigan's Wood-working Plants have Left the State. Her Paper Mills will be the Last to go Because of the Small Size of Trees Needed to

Why Money is Hard to Get-By Sanders Sosland

IGNALS of vast importance to the cash reserves. As prices of many arti-cluding the three in the middle west—system must indorse the agricultural ments.

ing cattle, but my bankers told me their loans. their supply of loanable money was an Iowa feeder recently reported to his common remark on cattle markets.

ing business this season. Unless the banks make more loans to the big probe unfavorably affected."

cattle? As this is the season for the derstanding of the reasons for these inflation. abnormal conditions. It is equally important that farmers study them because they are powerful influences in the fluctuations in prices of hogs and manufactured commodities which the by the foreigners. farmer buys.

farmers of Michigan and other cles moved upward in the past year, Chicago, Minneapolis and Kansas City, or commercial paper of their customers states are coming from money bank loans were expanded to enable tell the story more briefly and more which they present as security, they markets. Only the farmers who care-merchants to finance their business. convincingly than any other group of want a profit on the loans over the cost fully weigh the significance of these Higher wages also forced increased statistics. signals will be able to plan their buy- demands for money with which to con- ment of the twelve Federal Reserve derstood that the banks usually borrow ing and selling operations with full duct business. The Federal Reserve Banks showed that they had outstand- from the federal reserve system only light on the outlook in their markets, Banks, of which there are twelve in ing about \$2,835,000,000 in loans. This after they have loaned up to the limit for the money situation is playing a the twelve federal reserve districts of is an increase of about \$700,000,000 out of their own resources. The Fedhighly important role in price move- the United States, assisted the nation- over a year ago and a gain of \$1,200,- eral Reserve Bank loan rates, however, "I planned to buy five loads of feed- of the federal reserve system to expand In gold reserves the last combined of loans in the middle west and other

fesional feeder than they have thus the issuance of federal reserve notes than thirty-nine per cent. far promised, feeding will be curtailed by the Federal Reserve Banks in makand the market for feeding lambs will ing loans, labor took a hand and de- and increased their loans, the Federal Why are commission houses making Even farm land prices soared. The bring about what is technically termed such comments on the feeding lamb market for farm products was not so deflation. They want to reduce their market outlook? Why are farmers be- strong because it was affected by the loans and their note issues in order to ing urged by their bankers to borrow contraction in European demand fol maintain higher reserves. As the fall less money for the purchase of feeding lowing the close of the world war. But season is at hand, it is necessary for farm products held at a higher averlargest movement of stocker and feed- age level than would have been wit- their position in order to meet the iner cattle and feeding lambs, it is im- nessed without the expansion in bank creased demands for financing fall and money will be very difficult to obtain. portant that producers have a full un- loans, or what is technically termed winter trade in the new crops and in

horses and mules as well as in cattle the heavy buying of many products on and sheep. They also affect the prices credit in the United States by Europe. cent on agricultural and commercial er holders. The same may be said of of wheat, corn, hay, produce and the These loans have not yet been paid off

banks of the United States as a whole ence of the money markets of today on and to other borrowers. have been increasing their loans with prices. The statements on the twelve out adding proportionately to their Federal Reserve Banks combined, in- which borrow of the federal reserve by the signals of financial markets.

al and state banks which are members 000,000 over the total of two years ago, are a barometer of the value or cost statement showed about \$1,980,000,000 sections of the United States. The loan expansion was started by against \$2,075,000,000 a year ago and short and held me down to two loads," the wave of buying which developed \$2,003,000,000 two years ago. Thus, with the return of American soldiers while loans and the federal reserve commission man at Kansas City, the from the European war. As this wave notes issued against them have been country's leading stocker and feeder gained force, it received impetus from expanding, the gold reserves of the cattle market. This is becoming a the speculation and the fever of bull- twelve banks have been decreasing. In ishness which spread over the coun- consequence, the combined reserves of "The money market," said an exclu-try. The profits, including huge sums these banks against their notes in cirsive sheep commission house in a con-never realized but computed as gains, culation and their net deposits have fidential letter to its customers a few or "paper" profits, increased public been around forty-four per cent recentdays ago, "will be a factor in the feed- spending. As this upward movement ly, compared with fifty-one a year ago was supported by constant expansion and fifty-six two years ago. The legal in the circulation of money through minimum reserves are slightly less

Having reduced their gold reserves manded and received higher wages. Reserve Banks are now seeking to the Federal Reserve Banks to improve

The last combined state to them. Of course, it should be un-

BROKERS and banks handling packers loans have been glad to obtain money recently on that collateral at a return of eight per cent to the investor. The packers' loans rank high in safety. Country bankers can get them freely in Iowa, Kansas and other states of the middle west. I mention this to throw light on the high cost of money to the biggest business organizations.

With packers paying so much, it is well for farmers to ask, what is money going to cost the average feeder who wants to borrow to buy cattle or sheep? Country bankers owe it to their communities to favor their local borrowers with loans, but millions of dollars of cattle and sheep money for feeding are obtained each year on the open market. Not only will rates be very high this season in view of the fact that banks are heavily loaned up, but

Feeding cattle are in disappointing the products of non-agricultural indus- demand in view of the outlook for great tries. The loan rates of the Federal crops of feed. Not only are buyers Reserve banks have been advanced to being restricted in their purchases, but A NOTHER factor which brought discourage borrowing and to encourbanks, seeking to reduce their loans to about great expansion in loans was age the liquidation or paying-off of a more comfortable position, are urgloans. They are charging seven per ing larger sales by ranchmen and othloans to their member banks, while at feeding lambs and other live stock. Kansas City, Dallas, St. Louis, and At- Merchants in cities are also restricted. What has been the extent of the lanta a progressive system of loans They are feeling more pressure to sell, inflation and what is the present posi- rates is in effect. A year ago the rates so manufactures and other commodi-ANKERS are telling farmers, pro- tion of banks? A mass of statistics were around five and a half per cent. ties which farmers buy are on the BANKERS are telling farmers, pro- tion of banks: A mass of statistics were around nee and a near por cond.

Labor will be affected adfesional feeders, merchants and bearing on these vital points can be The higher loans rates of the Federal down grade. Labor will be affected admanufacturers who seek loans that cited, but only a few are necessary for Reserve Banks explain the increased versely. It is therefore well for farmmoney is tight. In other words, the a general understanding of the influ- cost of loans to farmers, to packers ers to pursue an extremely conservative policy in their feeding and other As the national and state banks prices. This is the prospect carried

Present Wool Market Situation

returned from South Dakota says buy- market. ers in that state are offering sixteen in Iowa, South Dakota and Minnesota Day.

T the Bureau of Markets I find a cooperative basis. The latest market developed, and the Dominion ware- myre says, "you cannot describe wool little encouragement in the wool report says a little better feeling ex-house erected at Toronto. market situation. Reports to the ists throughout the interior regarding bureau indicate that few sales are be- the wool market situation, a little high- movements, according to Mr. Willinging made. So many woolen mills are er prices are being offered by local myre. The chief aim of one is to comparative idea was had of the nuclosed down, owing to cancellation of dealers in certain localities than were orders for goods, that there is practi- quoted a short time ago, but the wool cally no demand from the mills for specialists are unwilling to make any wool. A market specialist who has just predictions as to the future of the

William H. Wood, president of the cents a pound for wool, and are pick- American Woolen Company, is quoted ing up small lots here and there from as saying that men's clothing will sell growers who are obliged to sell. In at lower wholesale prices this fall; but price by cooperation. Montana the big wool growers are woolen cloth will not drop in price. holding their wool for higher prices He also stated that the company's and many small growers are pooling mills, according to present indications Wool pooling associations would be reopened soon after Labor

are consigning their wool to the na- In regard to the cooperative wool tional wool warehouse in Chicago, pooling movement, George T. Willing.

There are more factors entering into hanks to the pound. where it is being held for a more fav- myre. who has charge of the wool marorable market. Michigan wool grow- ket investigations in the bureau of ers, with a combined clip of 4,000,000 markets, said wool pooling is contagipounds, are assembling their wool in ous, especially during such situations commodity. pools and storing it in Lansing ware- as now confront the growers. The first houses, where it is graded and prepar- movement for cooperative wool mar- tions of wools for the purpose of de- lected during its investigations. These ed for market. In Ohio, country buy- keting was started by the Canadian veloping a system of standard wool sets of sample grades have been made ers are offering twenty to twenty-five government in 1913, under the super- grades back in 1917, by sending men up in cases, and are being sent out to cents. About 1,500,000 pounds of wool vision of Mr. Willingmyre. After five out into the field to study all the dif-wool growers' associations and dealers is being held in storage at the grow-years of study, investigations, and ac-ferent phases of wool classification and in every sheep raising section, not for ers' warehouse in Columbus. Idaho tive cooperation with the wool grow- marketing. As a result many worth- the purpose of having the grades inwool growers have assembled 1,750,000 ers, the Dominion Wool Growers' As- less reports were received which were dorsed by the recipients, but to see if

There are two kinds of cooperative

in an effort to standardhave found to be a difficult matter. finer the wool the greater number of the standardization of wool and more

pounds of wool in pools to be sold on sociation, a non-profit organization, was of no value, because, as Mr. Willing-

on paper."

Samples of wool were then collected from many sources, and from these a standardize the product, to put onto merous variations in regard to wool, the market the best possible quality of and the lack of uniformity among both wool in the best possible condition as growers and dealers as to the commonto grades and types, and by such co- ly accepted wool classes. The bureau operation enable the grower to secure is aiming to establish its standard larger returns and profits from his grades based on diameter of fiber; flock. The principal aim of the other class, meaning length of fiber; shrinkkind of organizations is to hold up the age, meaning all foreign substances, including grease and dirt; and spinning qualities, meaning adaptability of The bureau of markets is striving to fibers for various spinning counts. A assist the first mentioned movement. count in worsted equals five hundred Mr. Willingmyre and his assistants are and sixty yards; thirty's counts means thirty hanks of five hundred and sixty ize wool grades. This, however, they yards each to a pound of yarn. The

After extensive investigations the ard grades, under which it has assem-The bureau began making investiga- bled samples of the various wools col-

(Continued on page 249).



Automobiles Streamed in from Every Direction.



Sheep Husbandry is Becoming a Strong Feature of Cloverland Farming.

Farmers Above Straits Are Progressive

They are Getting Much from Their Agricultural Service Institutions

al interests of the upper peninsula. The getting the ultimate good from neigh- can arrive at a better conclusion on rain, it was a great success. the very highest level. Toward that will be the rule and not the exception, sula Experiment Station at Chatham girls were busy from the time they end those associated together to carry out the program seem always ready to subordinate their personal ambitions and prominence to the efficiency of the whole-and this constitutes the very essence of cooperation.

Here is the great cooperative scheme which comprehends practically the whole range of agricultural interests above the straits. The county agents and their local farm bureau organization with the home demonstration agents and boys' and girls' club members and workers know practically everything agriculturally that is going on in their respective communities. They have the keenest sense of the problems there and understand well what conditions have to be met in their solution. They know equally well the temperament of the people and how anxious these farm folks are to educate their children and to put their business on the best possible paying basis.

Naturally the great bulk of the ques-

HERE is the finest kind of team- above the straits are not allowing op- test out prospective crops or varieties method and to encourage a first-hand

The Boys were Camped Under the Spreading Elms on Slapneck River.

the experiences of neighbors. This is information there will finally be pictures on this page, taken during the ed supplies, just as true in the upper peninsula as brought to light certain things that recent Farmers' Round-up shows clearit is elsewhere, and it is a most re- cannot be answered by the experience ly that the institution is being fully ap- chinery now in existence for the develmarkable thing that we have waited so of the farmers on their farms. These preciated by Cloverland farmers. many, many years to learn from the questions need more thorough and And how do the farm folks get hold Cloverland. It starts with and ends greatest experiment grounds available careful experimenting than can be of the information learned from these with the farmer. His problems are—the grounds on which the final tests done under farm conditions. Special tests? Well, those who get it best use diagnosed and then a remedy is sought of all agricultural policies and prac- trained men supplied with exceptional their eyes. They go to the experiment and if found the receipt is brought back tices are tried out-the farms owned equipment must work to determine the farms to see what the results of any to him. This service and her wideand managed by the farmers them- wise answer. For example, it is with- work they are interested in, has prov- awake boys and girls, makes the future

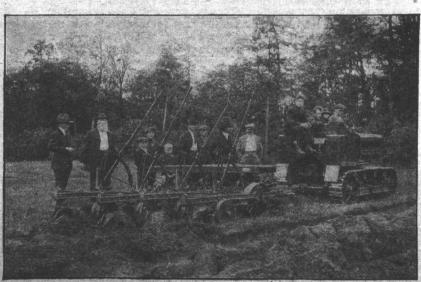
tions coming up can be answered from problems and the gathering of related for this class of experimenting and the after marketing crops and buying need-

selves. Well, these agriculturists from out the realm of the average farmer to ed to be. This is by all odds the best of Cloverland farming bright indeed.

work between the various agen- portunities from this source to get by for his farm. The trained plant breed- study of the work done at Chatham the cies looking after the agricultur- them and in their teamwork they are er watching carefully his test plots recent round-up was held. Despite men and women behind the program borhood experiences. This is not only the the value of varieties under cer-families came and many of them, and seem to have a single goal before them qualifying them to do better farming tain conditions than can the man with none were there who did not find someand that is to put the farming prace but it is standardizing their work all his regular farm demands pressing thing that was worthy of attention. tices and farm life of that district on against the day when organized effort him for attention. The Upper Penin- The men, the women and the boys and But through this sifting of farm provides the men and the equipment came till they got away. The rural people of Cloverland are to be congratulated upon the success of this occasion and those who had arrangements in charge are to be highly complimented upon their efforts.

But in addition to this round-up the good things learned by the staff of the experiment station and their associates is taken back to the various agricultural communities by the same demonstration agents, and club leaders, and county agents who go out to discover the trouble or need in the first instance. In the gatherings held in the comunities, in the junior club meetings, at the many county round-ups the gospel of better farming and better farm living is being constantly preached, and now with the movement already on for universalizing the Farm Bureau in the several counties of Cloverland, the service that is now being so well given will be expanded in a hundred ways. Besides caring for production alone the new order will look

Thus we see the comprehensive maopment of the agricultural resources of



Tractor Plowing was Studied Closely by these Practical Farmers.



Building Drains with Dynamite Proved a Big Attraction.

Farmers and Transportation, Crisi

ago, that boats on the Great Lakes be ment on the Great Lakes. utilized for relieving the grain moving In asking for preferential assign-

Following the enactment of the so-call- shippers. ed LaFollette bill prohibiting railroads from owning boat lines, this traffic declined rapidly. The reason for this per bushel. The longer part of the Since boats must receive at combined water-rail rate makes a great- quired skill, greater efficiency and very unpopular with American farmers. November, 1918, the number of governer total than the all-rail route."

ity to secure freight cars to market the wheat crop. In some of the western states elevators are filled to capacity and grain is piled up on the ground awaiting shipment. There are enough boats available for immediate single trip. The available box cars inated."

ture looks to the commission to mobil- control act.

and for storage purposes. To this ordered discontinued also. Chairman Clark, of the Interstate Comtion with the shipping board some time sion on cattle, calves, hogs, sheep and regulations for their operation.

the New York barge canal which will would equal that of 1918 and that fail-

ing millions of dollars through inabil- the spur of war necessity, and it is said port balance in 1914 was wiped out

OVERNOR W. L. HARDING, of ago and that the consensus of opinion by the officials that some men are now, early in the war, and in 1919 there was Iowa, accompanied by President had been that shipping interests could making more than this. The assistant an export balance equivalent to over J. R. Howard, Gray Silver, of not and would not use government ves- secretary of the navy told the men that 600,000,000 pounds of milk. There was West Virginia, E. H. Cunningham, of sels for carrying grain. Replying to as the navy wage appropriation is fix- a large cheese import balance in 1914, Iowa, and other representatives of the Governor Harding, however, Chairman ed by law, it would be necessary to which was wiped out during the war American Farm Bureau Federation, Clark said that plans are now being drop employes in direct proportion to and the export balance grew to equal have been in Washington, following up worked out by the Interstate Com- the amount of increase granted. The 500,000,000 pounds of milk in 1919. the request made of the Interstate merce Commission and the railroads to men were agreed to this plan, and it Condensed milk shows no exports up Commerce Commision, some weeks insure the largest possible grain move- is probable that this will result in a to 1916. Then a tremendous boost in curtailment of naval activities.

handle the traffic from Buffalo east- ure to move it to market not only Farm Bureau Federation Washington of milk. would ruin the growers, but would ser- office recently called at the shipping In asking the commission to make iously affect the country, resulting in board office to interview Chairman In asking the commission to make lously affect the country, resulting in board office to interview Chairman As a result of a meeting at Brattle-this revision of freight rates, and thus a food shortage. As a remedy for the Benson in regard to statements made Aboro, Vt., at which the proposed relieve the rail transportation strain situation, J. J. Murphy, state railway by a shipping board official concerning personal credits systems legislation at the most critical point, Governor commissioner of South Dakota, sug- a proposition to run lines of refriger- was discussed, the National Society of Harding said: "Previous to 1910 the gested that the commission order box ator ships to bring meat into the Unit- Record Associations has appointed a lakes formed a most important link in cars to be moved from territories ed States from South America and committee to urge the immediate conthe east and west freight traffic. At which have more than one hundred Australia. They were referred to Mr. sideration of rural credits legislation. that time the railroads owned many per cent of their ownership and dis- Murphy, secretary of the shipping The Rubey resolution in congress proboat lines and used them extensively. tribute the cars to northwestern grain board. After a spirited discussion in vides for the appointment of a special FOLLOWING the railroad wage in- serious loss to the American live stock and senate committees on agriculture crease, eighty thousand navy yard industry, the secretary gave out the and the house and senate committees decline becomes readily apparent by workers in forty-three navy yards op- statement that the shipping board does on banking and currency, and that the the examination of the freight rate erated by the government are asking not now have such a service and does committee should hold judicial hearschedules. On wheat, for instance, the for an increase in wages. Their repre- not at present contemplate such a ings at an early date. This committee rate from Chicago to New York is 13.8 sentatives have appeared before the plan. He qualified this statement by has not been appointed. A committee cents per bushel, but the rate from navy wage board with the demand for saying that the board equipped a cer- was also appointed at this meeting to Buffalo, the transfer point from water an immediate boost in wages of ap- tain percentage of the ships with re- make a careful study of the McFaddento rail, on to New York is ten cents proximately forty per cent. It is re-frigeration as the trade requires. Un-Milligan rural credits bill, and attend ported by the officials of the Emer-der present conditions he said it was the hearings before the congressional haul is rated at only 3.8 cents while gency Fleet Corporation that the ship- more profitable to transport meat from committees and present their arguthe shorter distance must pay ten yard employes are able to earn more South America and Australia to Eng-ments. Other farm organizations have money at the present wage scale than land than to the United States. The been asked to cooperate in this moveleast five cents a bushel for hauling they did during the war, even when shipping board secretary was also in- ment for rural credits legislation. wheat from Chicago to Buffalo the large bonuses were paid, owing to ac-formed that such a scheme would be

steady employment. The present rate The Dairy Division of the United "This arrangement," it was said, "has of \$6.40 a day prevails in government States Department of Agriculture has largely driven the grain carrying boats shipyards; but men on piece work are issued a chart showing the balance of out of business. It is inconceivable able to make big wages. Riveters and trade in dairy products in terms of that this condition is allowed to con-steelplate workers were making as milk from 1914 up to June 30, 1920. tinue at a time when farmers are los- high as \$750 to \$800 a month under This chart shows that in butter an im-

exports took place, almost double that Chairman Benson of the United of butter and cheese. There has been congestion on the railroad lines lead- ment of cars for carrying the wheat States Shipping Board is quoted as a recession in exports since 1919, ing from the western wheat and corn crop of the northwest to market, Mr. saying that "persistent rumors have amounting to 400,000,000 pounds in confields to the eastern seaboard. They Jacobson told the commission that 500,- been abroad recently that the United densed milk alone. The total shows are asking that the rail and water rate 000 box cars are needed immediately States intended to cut rates on the an import balance in butter, cheese be so adjusted that all the boats on to move the grain crop in the north- Pacific, but it is not the intention of and condensed milk the equivalent of the lakes can be used in the grain west, estimated at 700,000,000 bushels. the board to cut rates arbitrarily as 700,000,000 pounds of milk in 1914. The carrying trade at a profit to the lake Agricultural interests in the northwest long as competition rests on a fair and exports grew constantly until 1919 transportation companies. During the face bankruptcy because of the present equitable basis." Chairman Benson when they reached a balance of over hearings it was pointed out that a car shortage, witnesses informed the intimated, however, that should the 2,600,000,000 pounds of milk, a large group of capitalists in New York have commisison. Railroad commissioners board find itself contending with any part of which was in condensed milk. in course of construction and are now and shippers from the northwest said unfair methods it held the power to Since 1919 there has been a falling off delivering transport barges for use on indications were that the 1920 crop protect American shipping interests. in exports of cheese, butter and con-Representatives from the American densed milk equal to 800,000,000 pounds

> which Mr. Murphy was given to under- committee to consist of the chairman stand that such a move would mean and two other members of the house

Since the armistice was signed in ment employes in Washington has decreased from 117.760 to 90.360 on July 31, 1920, or approximately 27,000. The number of government employes here how, however, is 52,000 above that of April 1, 1917. The civil service commisison predicts a gradual decrease in the force for some time. Examinations outside of those offices requiring special training, are open only to ex-ser-

Profiteers are taking advantage of the freight rate increase to boost the ent of 75,000 carloads of grain at a S ECRETARY of Agriculture Mere- goats shipped in carlots by single own- prices of the products they have for single trip. The available have care S dith has ordered licensed commits and single trip. that in the case of nearly every com-"In 1918 and 1919 the Bureau of Mar- modity of daily consumption the inlation of the department's regulations," less than carload lots it will be not ize every available transportation re- The orders went to commission men declared an official of the department more than 2.4 mills. The freight rates source, whether rail or water, to move in Chicago, Kansas City, Omaha, and recently, in discussing the order. "This on dressed meats will be naturally the crop to market and thereby relieve National Stock Yards at East St. Louis. information is the principal data on higher, but the additional charge will ious losses but is rapidly becoming a secretaries of live stock exchanges at time that the recent increase in rates lots. It will cost only four-tenths of a menace to next year's food production, stock yards, where the department of is unjustified. Furthermore, at least cent a pound more to send butter from Minnesota Railway and Warehouse of commission charges in effect at their since our information was secured, and The increase on a twenty-four-pound Commission, urged the use of govern- respective places. Any increases found with which the department did not at- sack of flour from Minneapolis is a trifle less than four cents.

E. E. REYNOLDS.

Increased Rates Forbidden

seaboard. The long tedius haul which August 2, 1920. In his order, the sec- than one owner. now removes the box cars from the retary declared that the increases were tion and added that organized agricul- was made under authority of the food tify a conclusion that rates were in vio

ment owned vessels for grain carrying in rates at these stockyards will be tempt to interfere."

merce Commission, replied that the tary Meredith ranged as high as twen-eral licenses for doing business. The commission had considered the questy-five per cent, and included commis-department is empowered to prescribe

dith has ordered licensed commis- ers. This action by the secretary is sale. This is leading railway officials can be shuttled back and forth be sion men at the principal stock yards along the line of that taken recently to warn the public against these untween the upper lake ports and the of the country to discontinue the sched- when he fixed the commission rates necessary extortions. Traffic wheat fields in the west and the same ule of increased commission rates on to be charged at Chicago on carlot President Dixon, of the Pennsylvania system used between Buffalo and the the sale of live stock put into effect shipments of live stock having more lines, has presented figures showing

grain territory could be entirely elim- unjust, and forbade the commission men kets of the Department of Agriculture creases in transportation charges are to charge commissions in excess of investigated the live stock commission relatively so small as to be negligible. J. R. Howard joined Governor Hard- those in effect July 1. The commission business with a view to ascertaining On packing house products shipped ing in requesting the commision to men are given until August 21 to com- whether or not the income from rates from Chicago to Washington in cartake immediate action in this connec- ply with the secretary's order, which being charged at that time would jus- load lots the increase will amount to a condition that is not only causing ser- Also, the secretary is calling upon the which we based an opinion at this be but 2.7 mills per pound in carload O. P. B. Jacobson, representing the agriculture has no agent, for schedules one other increase has taken place Chicago to Washington in carload lots.

> Under the food control act commis-The increases objected to by Secre- sion men are required to take out fed-

If sunshine will keep milk pails clean and fresh, it won't hurt to let it into

To Feed, or Not to Feed?

do so as the crop moving season pass- average lower than last year. es, making funds more abundant.

decline, the inspected slaughter of beef is farther away than is a shortage of 200.000,000 pounds less than in the experience last winter, which fact will same period a year ago, while consump- attract more feeders into that line of tion, including domestic and export, endeavor, tending to restore the norduring the same time increased about mal balance between the different 600,000,000 pounds. There is no big forms of live stock production. The supply from abroad to be sent here, as wool situation and imports of Australis the case with lambs, Argentina ian and New Zealand frozen lambs are complaining now of drouth and consid- also unfavorable to this branch of the erable winter losses of cattle.

THE amount of meat produced dur- The corn crop prospect is excellent ing next winter and spring will be except that it is somewhat late. The determined by the action of farmers bulk of it must be fed whether it maduring the next few months. At the tures safely or is caught by September present time the movement of feeder frosts. The less of it that is fed and cattle and lambs to the country is com- the more that is sold to central marparatively small. With the range liqui- kets the lower the price. There are dating in order to decrease its loans signs that transportation conditions rather than because of feed shortage it which were partially responsible for is not to be expected that another section high price of corn last winter and tion of the country would be in a posi- spring and the very unfavorable feedtion to buy in spite of tight credits. ing ratio, will gradually improve so However, some feeders are able to pur-that the movement to terminals will chase now and more will be able to be more prompt and the corn price will

The cattle feeder's prospect seems The prospect now is that the price to be especially good as beef shortage ratio between feeds and live stock will is undoubtedly on the way. The fall be very favorable to the feeder by next run of hogs will begin to arrive in a spring. Last year's bad experience is couple of months and even though the certain to keep many out of the cattle crop may be short that fact will not feeding game; tight money will re- exert its influence for some time. And strain others and the shortage in the furthermore, stocks of hog products are range will reduce the supply of raw large. Foreign buying could easily take material. Production is already on the care of these, but real shortage of pork during the last eleven months totaling beef. Lamb feeders had a prosperous

Solving a Real Problem

puller without the use of explosives. ed, and will burn. An attempt was made to burn them by rolling two or three together as shown the best for this work is shown by the in the first picture. The small chunks fact that the owner of the land had which were piled over these stumps tried forty per cent on a number of burned off but left the stumps as good similar stumps and failed to get any-

man shown in the pictures) bore a was later loaded with forty and neithhole in the bottom of the stump lying er as good or as economical results of the root system. The auger shows this class will not require over half a the direction of the hole. In this hole pound to break it up in good shape we loaded three-quarters of a pound of for handling and burning. Another twenty per cent dynamite.

Mr. Capling is standing on the same shape to cut into firewood.-G. C. M.

THE two pictures show white pine spot in both pictures. Any part of stumps near Gladwin, Michigan, the stump after shooting was small that have been pulled with a steelyard enough to be easily and effectively pil-

That the low-grade, cheap powder is thing like as good results. In fact, the I suggested that Mr. Capling (the small stump to the right of the picture on its side, at the crown, or center, were obtained. The average stump of use for this wood is after breaking it The second picture shows the result. up, it is excellent material and in good



The cut above shows an upturned pine stump that under ordinary circumstances is difficult to dispose of. Below the gentleman is standing where the stump had been, while it is now piled in pieces about another ready for the torch. A charge of dynamite did the work.



Michigan State Fair

Sept. 3rd - Sept. 12th

EDUCATIONAL ENTERTAINING

Federal Government and Michigan Agricultural College will conduct a

GREAT TEN DAY EXHIBIT

of Farm Products and Educational Course in Agriculture.

Big Program of Free Exhibitions

will offer relaxation and amusement.

Fur Farming

Exhibit of all Michigan fur animals and practical instruction in fur farming.

\$100,000 in Premiums

Stock show will be greatest ever held in Middle West

Seventy-first Annual Exposition

TEN DAYS Sept. 3rd

TEN NIGHTS Sept. 12th

OUR SERVICE DEPARTMENT

DAIRY QUESTIONS.

I have Grade Durhams. I fed them ture, also while in barn on silage. The herd averaged 259 pounds fat each. Can you tell me how that compares with other grades, say Jerseys, for instance? When we get good crops of clover, is that evidence enough that we do not need lime? In your writings you seem to favor silage without grain in it. Don't you think the grain is good after being in the silo? You spoke last spring of trying sunflowers. Did you do this? Don't you think that ensilage corn, or green pea vines, make a silage that is too acid?

Sanilac Co. Where you find one dairy cow that will produce 259 pounds of butter-fat in a year, you will find a large number that will not produce as much. Of course, many cows produce more, but if your herd of dairy Shorthorns average 259 pounds of fat, you can feel proud of them. They are good cows proud of them. They are good cows and black loam mixed, and most aland they were well fed and you know ways fail with clover on those sand how to take care of them.

good crop of clover? Do you raise two this ground I would like to sow to fall tons or two and a half tons to the acre? If so, you probably do not need clover.

Monroe Co.

R. P. tons or two and a half tons to the crops, and intend to seed in spring to clover.

If so, you probably do not need lime. If you do not, lime might increase your crop. Why not find out?

For the effect on the soil it doesn't our old age to take care of ourselves.

For the effect on the soil it doesn't our old age to take care of ourselves.

We have acquired a good farm and it in his office, and the town board, after have some money in the bank. Can examination shall direct an order for sack of hydrated lime, scatter it on an the cost. Hydrated lime or hunt line whet sheep.

In 1907 my husband and I legally stating the amount of the damages, adopted a girl, brought her up and educated her. She married and left us in our old age to take care of ourselves. We have acquired a good farm and it in his office, and the town board, after have some money in the bank. Can examination shall direct an order for hydrated lime, scatter it on an the cost. Hydrated lime or hunt line whet sheep. lime. If you do not, lime might insack of hydrated lime, scatter it on an the cost. Hydrated lime or burnt line what share? Also, what share of perarea of a field two rods square and can be used in small quantities to get sonal property would I hold in case of note the effect that this produces on the desired effect, but it costs more. note the effect that this produces on the desired effect, but it costs more. different crops as you grow them on Ground limestone will produce the this field. That will tell the story.

Well-Eared Ensilage Corn.

no ears, or only very small ears, you limestone one ton per acre will be none acre than you will by planting corn tons per acre. This ground limestone thin enough to get a good crop of ears. is not all used at once, but it will grad-Now the corn plant, when it is prop- ually become effective and keep the erly matured, containing no ear is as land sweet for a considerable length of rich in protein as the whole corn plant time. A splendid time to apply the that produces an ear, consequently if lime is after the ground is plowed and you can produce more tons to the acre partially fitted, then sow the lime and by planting it thicker it makes a more finish fitting the land. This will work profitable crop. Besides, I am confi- the lime in the soil where it must be dent that a larger per cent of this corn in order to correct the soil acidity. is more digestible and that it possesses greater palatability.

Sunflower and Corn Silage.

Some little time ago I stated in the Michigan Farmer, my experience with this sunflower silage. Undoubtedly, the inquirer missed this. The sunflowers them were more than ten feet high, with stalks as large as your forearm, and it would bother to get some of the heads into a bushel basket. They stood away above the sweet corn and, of course, were very noticeable to passers-by. There were many inquiries as to the reasons for planting them, what we were to do with them, etc.

This combination of plants does not work very well in harvesting. heads of the sunflowers were so heavy rowed till June, corn harvester would not cut them, the wagon and unloading to the ensilage cutter. I anticipated that there would be some trouble in getting these turned how long will it take to get the scales turned be some through the engineer out. large heads through the ensilage cutter, but fortunately we had a large size

no difficulty was experienced at all.

in handling them. However, they in- did not get results. I would have to gence. crease the bulk of the silage very ma- know more of the conditions, the kind is eaten up.

Acid Ensilage.

I have eighty acres of rolling sand spots, so I thought if I would lime this Clover vs. Lime.

When we grow good crops of clover, it certainly is good evidence that you have a sufficient amount of lime to protect the soil from getting acid because clover will not grow luxuriantly in an acid soil but the question is, what is a spring or fall? I have twelve acres of the soul of spring this ground I would like to sow, in spring or fall? I have twelve acres of this ground I would like to sow, to fall.

same effect, only you must use it in larger quantities. If you use caustic If you plant corn thick enough (not lime you want to use at least one-half too thick so that you grow practically ton per acre, and if you use ground will get more tons of ensilage to the too much. Some use as high as two

It would be advisable to put the most of your stable manure on the sandy place in your field, as undoubtedly these sandy knolls or ridges are deficient in organic matter which allows them to dry out more than the black soil during hot weather. If you can made a wonderful growth. Some of plow down stable manure and seed to clover and get a stand of clover, the clover roots will add much of the desired vegetable matter which will greatly improve this particular kind of LIABILITY OF COOPERATIVE SOCI- so she cannot get credit at stores, as land. The lime will be of great benefit ETIES FOR PERSONAL INJURY.

Has a man a right to post his wife so she cannot get credit at stores, as long as they are still living together?

E. L. L. in getting a stand of clover.

C. C. L.

not In the spring of 1912 I plowed a small The piece for late potatoes, kept it harthen applied fertilizer and the stalks were so long in com-parison with the corn that they did not I planted potatoes. I had a good potahandle nicely when being bound into to crop but could see no difference the full amount of the injury notwithmay be enforced against him by the bundles. The men insisted that the where the fertilizer was applied. That standing any negligence of the person persons furnishing born the could be the first than the whole the fertilizer was applied. fall I sowed to rye and the following spring seeded to clover but have never but it did without any difficulty. The seen any results from the fertilizer. At person injured was an employe unless decree for support which will be engreat trouble was in loading them onto that time it would cost about \$12 an the cooperators have complied with forced by D. H. D.

Livingston Co. I have had considerable personal ex-

the heads and flatten them out so that own farm and I have had an unusual ciety is not incorporated each member acid. If the so-called ensilage corn not been wasted, that you will get re- of insurance. properly develops, that is, beyond the sults in other crops in the rotation. For roasting stage it will make fine quality instance, when you fertilize wheat and ensilage. Pea vines do not make an leave a strip to check results you not ensilage containing too much acidity only get better wheat but you get bet-

> Crops on properly drained soils also make better use of commercial fertilizers than when on soils that are too Sec. 7278-7279), that the justice of the C. C. L. wet.

The statutes (Comp. Laws (1915), Sec. 14142), provide that upon formal adoption according to the provisions of the statute the persons adopting shall stand in the relation of parents to the child adopted, and have all the rights and duties of parents, and that rights and duties of parents, and that the child shall be an heir at law of threatened damages. Our line fences such persons the same as if their child are in good condition, but this fellow in fact. The result is that the child breaks the wire to get through. If this takes whatever property of the parent is left at death not required to pay debts, taxes, and expenses of administration, and not legally disposed of by will. There is nothing in the law to prevent the adopting parent disposing of property by will the same as any other person. If the husband dies without any will his widow would take his personal property, household property not exceeding two hundred dollars in value, such further sum as the probate judge deems necessary for her maintenance during administration, and onethird of the remainder, and the other two-thirds would go to the adopted LIABILITY OF HUSBAND FOR SUP-

Thirty farmers purchased a thresh-NO RETURNS FROM FERTILIZER.

Introduction in control of the second state of the second in control of the second in the seco how should we proceed to protect our-

the cooperators have complied with forced by execution against him. acre to purchase and apply at that rate the employers' liability act. The employes in the crew would not be domestic servants within the exemption Most hens will lay if they are alof the act.

cutter and the feed rollers would crush perience in the use of fertilizers on my the employ of the society and the so-rather than on account of him.

opportunity to notice the effects of fer- is liable for the whole damage result-I am frank to say that I am in doubt tilizer over a wide area, and I never ing from the negligence of the society the best I ever did the past season, about planting more sunflowers with yet saw results like those indicated in or its employee unless the party injurgained them all summer while on pasts the corn just because of the difficulty round letter. I connect a valety round of the corn just because of the difficulty round letter. the corn just because of the difficulty your letter. I cannot explain why you ed was guilty of contributory negli-

> The proper method of protection is terially and the cows eat the silage of fertilizer used, etc. Once in a while to comply with the requirements of with an apparent relish. Everything there is no appreciable results from the workmen's compensation law and fertilizer on certain crops for a cer- the rules and regulations that will be tain year, owing to the detrimental furnished on application to the Indus-If you cut the corn too green it will conditions, such as drought, etc. But trial Accident Board at Lansing, Mich., produce ensilage containing too much my experience is that the fertilizer has and procuring proper policy or policies

SHEEP KILLED BY DOGS.

ensilage containing too much acidity only get better wheat but you get better my sheep, killed one if they are cut when peas are ready for canning.

C. C. L.

BEST FORM OF LIME.

On some soils fertilizer does not the sheep were on a farm Lown in Mark.

Dogs got after my sheep, killed one and wounded ten, seven of which had to be killed. Don't know whose dogs. The justice came and looked after them, didn't say what they would pay me. Please tell me what compensation I should get for these sheep. The seem to make very much difference in sheep were on a farm I own in Mont-calm county, while I live in Kent county the growth of straw, but by the thresh-ing test it makes a good showing in can I claim anything for my time? I the yield and plumpness of the berry, spent all day, from early in the morning, and a neighbor helped me half a day.—M. B.

The law provides (Comp. Laws (1915) peace called, not being of kin to the complainant, nor a member of the town RIGHTS OF ADOPTED CHILDREN. board, shall view the sheep and give a certificate to the owner of the sheep, payment out of the dog taxes. No allowance is made for time lost.

J. R. R.

TAKING UP TRESPASSING ATTLE.

My neighbor's bull has been running over our fields for the past month. Have requested the owner to keep him

Anyone finding cattle trespassing on their property may take them into custody, notify a justice of the peace who will set a time for the sale, and advertise the stray for sale, according to Comp. Laws (1915) Sec. 7288. The owner may redeem the animals by paying the damage at any time before the sale; and in case of sale is entitled to the proceeds of the sale over the costs of sale and damages.

J. R. R.

PORT.

So long as the husband supplies the or implied authority of approval selves through workmen's compensa-tion law? Would such operators be if he does not furnish such support considered domestic servants?—A. P. contracts made by her for necessaries The society not being incorporated, are binding on him, if made on his the members would each be liable to credit, though without his consent, and standing any negligence of the person persons furnishing her the necessaries, injured of any fellow servant if the or she may by suit against him get a

J. R. R.

lowed to; many successes with chick-If the injury was to a person not in ens are made in spite of the owner

THE 1920 POTATO CROP.

The following gives the potato forecast as released by the Bureau of Crop Estimates:

State.	Bushels.
Michigan	32.851.000
Wisconsin	31,436,000
Ohio	12.944,000
Virginia	
California	12,560,000
Oregon	6.020.000
Wyoming	4,276,000
Idaho	6.397.000
Minnesota	28,211,000
Pennsylvania	23,281,000
New Jersey	
Maine	23,895,000
Colorado	12,913,000
Washington	7,663,000
New York	34,168,000
United States (inclu	
states not listed a	bove) 402,134,000

GAS IN SILO.

Gas may form in a silo at the time of filling and for a week or so afterwards. This gas is heavier than air and so will settle in the silo and make conditions uninhabitable for the workmen. As soon as filling the silo is started the falling stage and the air currents caused by the blower will stir up enough air currents to drive out the gas. A good way to determine if there is gas in a silo is to lower a lighted lantern. If it goes out, it will not be safe to go into the silo. Keep the doors open as long as possible when filling.

TREES NEAR THE LINE.

If a fruit tree is nearly on the line between property owners, and the branches of the tree extend over the line, can the owner of the land on which the tree is growing claim the fruit over the line on the adjoining property? Has the person across the line a right to trim branches which interfere with crops on his side?—G. C.

The fruit belongs to the person on whose land the trunk of the tree stands; but he has no right to go onto the land of his neighbor to get it. The neighbor over whose land the branches hang has a right to trim off all branches overhanging his land. J. R. R.

DO WE NEED A FORESTRY POLICY?

(Continued from page 231).

are fit only for the growing of timber, starve if compelled to live and operate. Luckier than Michigan many other states have vast holdings of high-grade farm land but little that is fit only for the growing of timber.

If Michigan begins now to plant forests as she should (from 5,000 to 50,000 acres a year instead of 500 acres) she may hope to place herself beyond the danger of the timber famine that is surely and swiftly coming. She may be a timber selling and a lumbering state again instead of a board buying state as at present. She will be able to exchange lumber for food to support her millions of factory labor, as well as to maintain her wood growing and using industries and communities in the State.

She has the choice before her between economic independence due to intensive production and use of all'her resources, on the one hand, and utte dependence and lack of balance of production and consumption, due to earlier indifference and shortsightedness on the other.

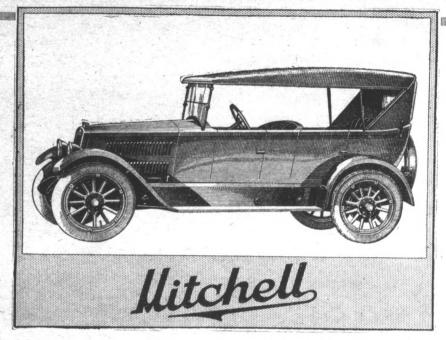
Productive land makes busy people. Idle land breeds poverty and discontent, like idle factories.

Busy people are happy people when they live on the land and work in the

Michigan must heed the text and prepare for her people in years to come, as well as her own safety and economic security.

A Better Car at a Saving

Compare the New Mitchell with cars costing \$500 to \$1,000 more



Just compare price before you buy. Get the latest quotations. See if you can find a car to equal the New Mitchell at its price.

We believe it impossible. We know every car. And our policy has been to offer more than usual. We want to uphold the Mitchell reputation of giving the utmost for the money.

While the New Mitchell is being bought largely because of its style and performance. its comfort and lasting acres upon which farmers would newness, there are thousands who buy it to make

the saving. It is noted the country over as under-priced.

The New Mitchell is the finest car we ever built. It brings mechanical perfections hitherto unknown in a like-price car.

It brings improvements and refinements found only on higher priced cars.

Prove all this yourself. Make comparisons.

> Examine this new car carefully, then see if you agree that it is the best car for you.

Four Models

- 5-Passenger Touring Car
- 3-Passenger Roadster
- 5-Passenger Sedan
- 4-Passenger Coupe

MITCHELL MOTORS COMPANY, INC., RACINE, WISCONSIN



KEEN interest is being evidenced by sugar-beet growers in various sections of the country in the possibility of producing their own sugar on the farm by some simple process or of establishing and operating their own sugar mills. Owing to the scarcity and high price of sugar numerous inquiries on the subject are being received.

Specialists of the Bureau of Plant Industry of the United States Department of Agriculture have made a close study of all phases of beet-sugar production, there are several fundamental features to be taken into consideration in the establishment and operation of sugar mills. In the first place, no simple or inexpensive method of making sugar from beets on a home or small scale has been devised. Therefore a fully equipped sugar mill is necessary in producing sugar from beets. The smallest beet-sugar mill, say the bureau specialists, to be successful should slice not less than five hundred tons of beets a day for a period of one hundred days each year. Since the average yield of beets in the United States is ten tons per acre, not less than five thousand acres of beets must be grown annually for each mill of this size. A smaller acreage would probably cause the mill to operate at a loss under normal conditions. There is almost always a larger or smaller loss of beet acreage during the season in every community where beets are grown, hence in order to bring five thousand acres of beets to maturity it would be wise to plant about five thousand five hundred acres. In order to insure the production of from five thousand to six thousand acres of beets annually in a given beet area there should be available in that area at least from fifteen to twenty thousand acres of good beet land, so that proper crop rotation can be practiced. This acreage should be so located that from twentyfive to fifty per cent of the beets grown can be delivered at the sugar mill by wagons, and the remainder of the beets should have a freight haul of less than one hundred miles, in order to avoid heavy freight charges.

Initial Costs High.

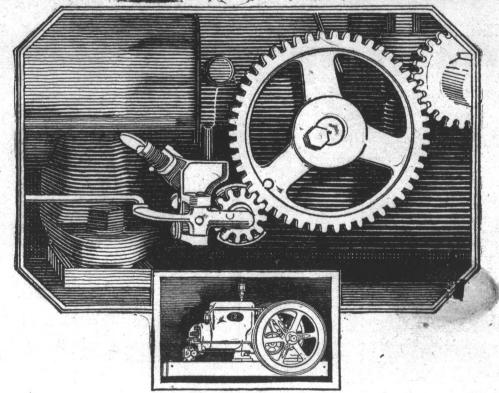
The construction and equipment of a mill of five hundred tons' slicing capacity would cost under present conditions approximately \$750,000. This is about fifty per cent above prewar costs, owing to the increased price of materials and the higher scale of wages. In addition to the initial cost of the mill approximately \$500,000 of working capital would be required in cash for overhead charges and operating expenses until returns can be expected from the sale of the sugar.

Probably the most important of the other items to be taken into account in the operation of a beet-sugar mill is that of a supply of sugar-beet seed. A five-hundred-ton mill would require about 100,000 pounds of seed annually to insure the production of sufficient beets for a one-hundred-day run. Sugarbeet seed of good quality has been produced in the United States each year for several years, and those who are considering the erection of beet-sugar mills should look into the possibilities of producing their own seed. This minimum-sized mill would require in addition to its permanent employes about three hundred workmen for the operating period and a good supply of pure water, high-grade lime rock, and plenty of coal for fuel, besides numerous oth-

Besides making the house and yard attractive, flowers add actual money value to the place.

er supplies.

Beet Sugar Mills Many Factors Should Be Considered Before Investing in Sugar Plants. FAIRBANKS-MORSE Z'FARM ENGINES LEEN interest is being evidenced by



Throttling Governor Gives Steady Speed

Every "Z" Engine is equipped with a sensitive throttling governor. Regulates the amount of fuel and air admitted to cylinder—maintains uniform speed—summer or winter, regardless of work being done.

Throttling governor enables the "Z" to run on kerosene as well as gasoline — saves you money.

Governor is a complete, high grade assembly unit - not a makeshift device. Its case-hardened contact parts resist wear.

The throttling governor has mighty important duties: Helps maintain uniform cylinder temperature—gives smooth, steady flow of power that saves wear and tear on belts and the driven machinery.

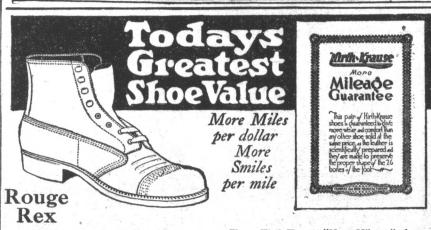
Other "Z" features are: Bosch magneto, more than rated power, parts interchangeable; clean cut design; long life.

Go to your nearby dealer today and see the "Z." He will show you why you should have one.

\$ 85.00 135.00 All F. O. B. Factory

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MANUFACTURERS - CHICAGO



Tanners and Shoe Manufacturers

For the Man Who Works These Hirth-Krause "More Mileage" shoes set new records for wear-and-comfort.

Correctly made, your feet, will feel as they never did before in any shoe. Made from Hirth-Krause Leather, of the most uniform quality, these shoes outlast several pairs of ordinary shoes

Made for the man who works, and wears like iron. Get them from your dealer. Remember the name: Hirth-Krause Rouge Rex "More Mile age" shoes.

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The following are the little prices of our guaranteed tires:

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 Size Non-8kid

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 1-2
 8.50
 34x4
 1-2

 1-2
 9.00
 35x4
 1-2

 11.50
 36x4
 1-2
 ...
 2 percent off for cash with order, 10 percent deposit required with all C.O. D. orders.

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Just what YOU need. Three SURE-SHOT double-Strength Spark Intensifier. (Complete for 4 cyl-inders). No glass to break or parts to wear out Guaranteed for life of car. Makes old or cracked plugs fire like new. Save gasoline and oil, Attached to any Ford in 3 minutes. Thousands of satisfied users. Mailed anywhere upon receipt of \$1. (Canada, \$1.25). We refund your money if not satisfied after 2 weeks use. What's more fair? Order today. Agents wanted.

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The JENNINGS FARMS, Bailey, Mich.

WORLD EVENTS IN PICTURES



When these ladies adopted the raccoon as a pet they started the raccoon fad in California society.

This team wins finals in the four-oared match for this country, and so represents us in the Olympic games.



A new York shoe clerk up against a real situation, but he found the shoes.

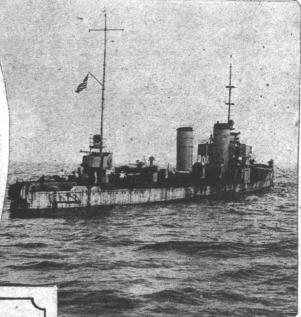
These Polish troops seen here on one of the main streets of Warsaw, are now driving the Bolshevik forces back toward the Bug River



Franklin D. Roosevelt making his speech of acceptance at his Hyde Parke home, following his formal notification of nomination to the office of vice-president.



Galli-Curci, famous Italian soprano, returns to this country and declares that she is to become an American citizen, having lost interest in the old world.



One of the five German warships allocated to the United States is being towed into the New York harbor. This vessel is one of those scuttled by the Germans at Scapa-Flow.

THE VALLEY OF THE GIANTS

A ROMANCE OF THE REDWOODS

By Peter B. Kyne



"I've never seen anything like them. Zounds, I'm afire. I have little prickly sensations, like ants running over me. How can you be insensate enough to descend to labor with an houri like that around? Oh, man! To think of tract for steel rails with the Colorado railroad building?" an angel like that working-to think Steel Products Company. Their schedof a brute like you making her work!"

"Love at first sight, eh, Buck?" "I don't know what it is, but it's

nice. Who is she?" "She's Moira McTavish, and you're

not to make love to her. Understand? I can't have you snooping around this office after today.'

est. "Oh," he breathed. "You have an Barnes Construction Company have of- not appearing in this railroad deal at eye to the main chance yourself have fered me a steam shovel, half a dozen all. If Pennington suspected I was you? Have you proposed to the lady flat-cars, and a lot of fresnos and scrap- back of it, he'd fight me before the as yet?"

"No, you idiot."

spun it in the air.

self these agonizing suspicions. The then we can scrap it for junk. We can ing a jump-crossing of his linefact of the matter is that you give me buy or rent teams from local citizens a wonderful inspiration. I've always and get half of our labor locally. San lem, If they will not, you're licked been afraid Moira would fall in love Francisco employment bureaus will my son, and I'm out of a job," with some ordinary fellow around Se- readily supply the remainder, and I quoia-propinquity, you know-"

I'll stick around."

time you might learn to live up to and get busy."

"Duck! I'm liable to kiss you."

for boozing."

fellow.

earth and render a report on your stew- begins-we're up a stump."

"I'll try. To begin, I've secured then?" rights of way, at a total cost of twelve lars and nine cents, from the city lim- Pennington's tracks on Water Street, my salary and expenses are all that he isn't looking. He can do too many ary of your timber in Township Nine. crossing of Pennington's line on Water I've got my line surveyed, and so far Street, and connecting with the spur as the building of the road is concern- into our yard." ed, I know exactly what I'm going to do, and how and when I'm going to do and B streets?" it, once I get my material on the ground."

"What steps have you taken toward across it, making a gradual turn." securing your material?'



ule of deliveries is O. K. as far as San quoia."

steam schooners. Next?"

second-hand locomotive down at the ey and delay you indefinitely." Mr. Ogilvy's eyes popped with inter- Santa Fe shops, and the Hawkins & ers at ruinous prices. This equipment city council; and move heaven and is pretty well worn, and they want to earth to keep me out of a franchise to "Then I'll match you for her-or get rid of it before buying new stuff use the city streets and cross his line, your patience down to the point where for the chance to propose for their contract to build the Arizona Of course, since his main line runs on Buck produced a dollar and and Sonora Central. However, it is city property, under a franchise grantfirst-rate equipment for us, because it ed by the city, the city has a perfect "Nothing doing, Buck. Spare your- will last until we're through with it; right to grant me the privilege of makhave half a dozen fine boys on tap to way." "You bet. Propinquity's the stuff. boss the steam shovel, pile-driver,

"That's exactly where the shoe begins to pinch, Pennington's main-line "Don't be too precipitate. Her father tracks enter the city along Water used to be our woods-boss. I fired him Street, with one spur into his log-dump and another out on his mill-dock. From "I wouldn't care two hoots if her the main-line tracks we also have built dad was old Nick himself. I'm going a spur through our drying-yard out to year, or go out of business." to marry her-if she'll have me. Ah, our log-dump and a switch-line out on the glorious creature!" He waved his to our milldock. We can unload our long arms despairingly. "O Lord, send locomotive, steam shovel and flat-cars me a cure for freckles. Bryce, you'll on our own wharf, but unless Penningspeak a kind word for me, won't you- ton gives us permission to use his sort of boom my stock, eh? Be a good main-line tracks out to a point beyond franchise." the city limits—where a Y will lead "Certainly. Now come down to off to the point where our construction

"Suppose he refuses, Bryce. What

"Why, we'll simply have to enter the thousand, one hundred and three dol- city down Front Street, paralleling its, of Sequoia to the southern bound- turning down B Street, make a jump- you are out to date."

block on that corner, and we'll build and jump Pennington's tracks?"

"Well, I can close a favorable con- emnly, "is this your first adventure in

Bryce nodded.

Francisco, but it's up to you to provide not talk so confidently of running water transportation from there to Se- your line over city streets and making jump-crossings on your competitor's "We can handle the rails on our road. If your competitor regards you presidents, in my day, and I know the as a menace to his pocketbook, he can "I have an option of a rattling good give you a nice little run for your mon-

"I realize that, Buck. That's why I'm

"Will they do it? That's the prob-

"We can sue and condemn a right of

"Yes, but if the city council puts up bridge-building gang, track-layer and a plea that it is against the best interand I've been on the lookout for construction gang. And as soon as you ests of the city to grant the franchise, a fine man to marry her off to. She's tell me how I'm to get my material you'll find that except in most extratoo wonderful for you, Buck, but in ashore and out on the job, I'll order it ordinary cases, the courts regard it as against public policy to give judgment against a municipality, the state or the government of the United States. At any rate, they'll hang you up in the courts till you die of old age; and as I understand the matter, you have to have this line running in less than a

Bryce hung his head thoughtfully. "I've been too cocksure," he muttered presently. "I shouldn't have spent that twelve thousand for rights of way un- and before mine have started from the til I had settled the matter of the

"Buck, you're a wonder."

"Can't have an elbow turn at Front experience. Now, then, to get back to hauling contract with this company." our muttons. Will the city council

"I'm sure I don't know, Buck. You'll would he?" "See here, my son," Buck said sol- have to ask them-sound them out.

The city council meets on Saturday

morning.'

"They'll meet this evening-in the private dining-room of the Hotel Sequoia, if I can arrange it," Buck Ogilvy declared emphatically. "I'm going to have them all up for dinner and talk the matter over. I'm not exactly "I thought so; otherwise you would aged, Bryce, but I've handled about fifteen city councils and county boards of supervisors, not to mention Mexican and Central American governors and breed from cover to cover. Following a preliminary conference, I'll let you know whether you're going to get that franchise without difficulty or whether somebody's itchy palm will have to be crossed with silver first. Honest men never temporize. You know where they stand, but a grafter temporizes and plays a waiting game, hoping to wear you'll ask him bluntly to name his figure. By the way, what do you know about your blighted old city council, anyway?"

> "Two of the five councilmen are for sale; two are honest men-and one is an uncertain quantity. The mayor is a politician. I've known them all since boyhood, and if I dared come out in the open, I think that even the crooks have sentiment enough for what the Cardigans stand for in this county to decline to hold me up."

"Then why not come out in the open and save trouble and expense?"

"I am not ready to have a lot of notes called on me," Bryce replied. "Neither am I desirous of having the Laguna Grande Lumber Company start a riot in the redwood lumber market by cutting prices to a point where I would have to sell my lumber at a loss in order to get hold of a little ready money. Neither do I desire to have trees felled across the right of way of Pennington's road after his trainloads of logs have gone through woods. I don't want my log-landings jammed until I can't move, and I don't "Oh, I didn't buy any rights of way want Pennington's engineer to take a -yet," Ogilvy hastened to assure him, curve in such a hurry that he'll whip "I've only signed the landowners up my loaded logging-trucks off into a on an agreement to give or sell me a canon and leave me hung up for lack right of way at the stipulated figures of rolling-stock. I tell you, the man any time within one year from date. has me under his thumb, and the only The cost of the surveying gang and way I can escape is to slip out when things to block the delivery of my logs and then dub them acts of God, in or-"Not at all. I've merely been through der to avoid a judgment against him all this before and have profited by my on suit for non-performance of his

"Hum-m-! Slimy old beggar, isn't "Don't have to. We own a square grant you a franchise to enter the city he? I dare say he wouldn't hesitate to buy the city council to block you,

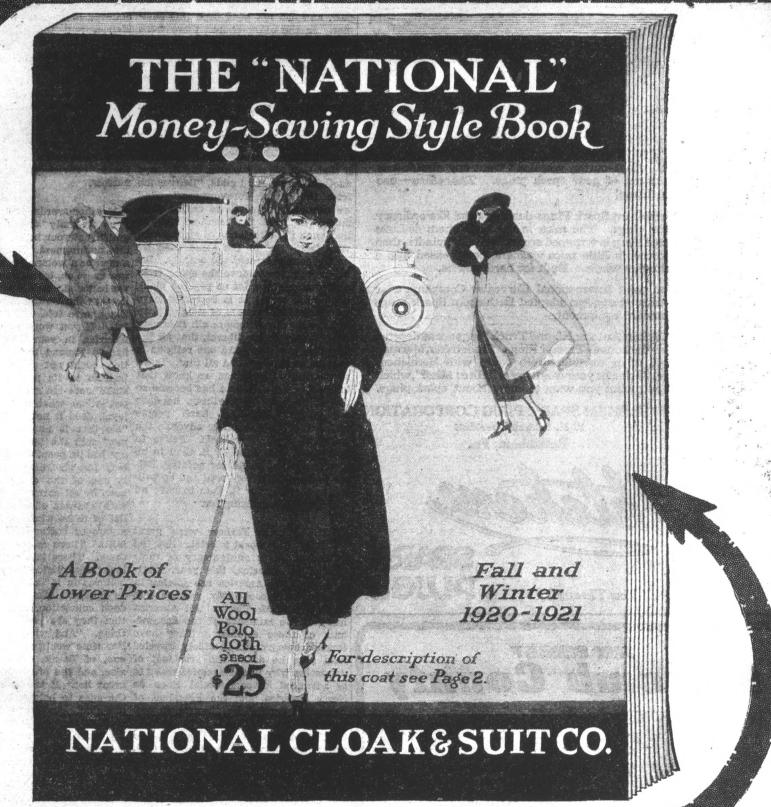
(Continued on page 242).

AL ACRES-The Slump in Melons Was Followed by an Advance in Lumber Prices.

-By Frank R. Leet



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THE new "NATIONAL" Style Book for Fall and Winter is now ready.

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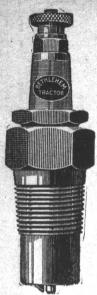
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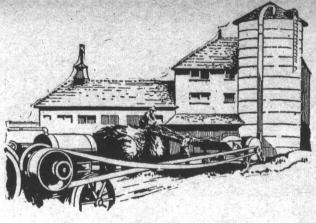
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Bethlehem Spark Plugs don't go dead like ordinary tractor plugs. The mica in the Bethlehem de Luxe Tractor Plug is wrapped around a center spindle, then reinforced in little mica washers, compressed into a granite-like whole. Built for hard service.

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SPARK PLUGS "They Pull You Through"

FOR SHERIFF Macomb County



CHARLES F. ROSSO

This Man Deserves and Will Make a Level Headed Sheriff

Born and has always lived on farm in Macomb County except while in France during the war for which he

enlisted. Participated in 2nd Battle of Marne with French Sixth Army, from there up through Chateau Thierry. Severely wounded in Argonne Forest September 28th, 1918.

Advertisement

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Buried from the Town Hall

Our Weekly Sermon-By N. A. McCune

The church building where she was anything, go anywhere, meet any foe, wont to worship was undergoing re- in defense of what they believed. They pair, and has not been used this sum- believed in God. They believed in Provmer. In the other church there were idence, and that Providence guided many converts to a peculiar line of re- them to the bleak shores of New Engligious teaching. When the use of this land. Their numbers were reduced by church was asked for the funeral, it almost half, within a year after they was declined, on the ground that the came, but they did not give up. They deceased had been a member of a were men of faith in God. They were church that believes in dining-room not saints, only saints in the making. and game parlor in the church, which They were not perfect, but they were are "wicked" institutions. So the good taking lessons in how to become perwoman was buried from the town hall, fect. And their religious convictions "What narrowness," says one. "Well, were what made them mighty, though if that isn't bigotry with a big B," says those convictions were sometimes another. And a third adds, "Deliver me narrow. from the church forevermore." And much. It is not the brand of religion I so fearful. that wins the allegiance of strong men very fast. But at the same time let into nothingness. It does matter what us not pass judgment too quickly. Before offering to remove the speck from our brother's eye, let us pry the plank out of our own. It is better to have lieve in the United States government. convictions on matters of religion than They were told to keep still or go to to have no convictions at all. It is very easy to say we are liberal, that all the churches are good, and one religion is as good as another, and all that. Down at the bottom of things we know that traitors in its midst. The issues at is not so. When a man has become so liberal he believes anything, he does not believe anything. Such people loyal, does it not matter in religion?" have never done much to advance the world to higher standards. Better to me," said the Master of men. Every be bigoted and stand by it, than to be age has its peculiar weaknesses to coma milk sop and stand for nothing. Bet- bat, and slackness in religious belief ter to have a narrow creed and be will- is one of the enemies to be fought ing to sacrifice for it, than to have no now, by all earnest men. In the elevcreed worth sacrificing for.

and solemn-faced men were what the us proves it.

HE other day a woman who had moderns would style narrow, they bebeen for years a member of one lieved what they did believe with all of two churches in a village died. their souls, and they were ready to do

eral," that your belief is frittered away a man or a woman believes. When the war came on, it mattered mightily what we believed. Some people did not bejail. If you were not really loyal to America in your heart, you at least had to pretend to be, because the nation could not tolerate enemies and stake were too great. If it matters in patriotism whether or not a man is "He that is not with me is against enth chapter of Hebrews, there is a list of those who stood for God. It is THE Pilgrim Fathers were great a line of battlescarred heroes of the folk. The world is celebrating the faith. There is not a slacker among three hundredth anniversary of their them. There is not one who thought coming to America, this year. Eng- that "any religion is good if a man only land, Holland, America are joining in believes in it," or that one is as good tributes to these hardy yeomen who as another. They are men of tremencame in the Mayflower. All America dous conviction, and for that convichas felt the influence of the descend- tion they are prepared to suffer any-ants of these colonists. They have thing. "And what more shall I say? touched every state. A widely traveled For time would fail me to tell of Gidman says he asked the president of eon, of Barak, of Jephtha, of David Argentina why South America was not also, and the prophets." Ah, that is a as advanced in commercial lines as great list. It is one of the honors of North America, and the President of the ages to belong to a roll of honor Argentina replied he thought it was like that. And yet we may all belong because the Spaniards who settled to it, if we will. The call today is to South America came for gold, while lay aside sloth and indifference and the Pilgrim Fathers came for God. pride in our "advanced" views, and to Nevertheless, these same Pilgrim Fathers get in step with the soldiers who have ers were what we should call narrow marched with God. A man who bemen. They believed they were right lieves with all his soul is worth an and everyone else was wrong. When army of men who do not believe much people came to the colonies who did of anything, and all history proves it. not believe as the Pilgrims, they were One's own inner experience proves it. told to move on. But while these stern Observation of men and women about

The Valley of the Giants

(Continued from page 240). say he'd corrupt a public official."

Buck Ogilvy rose and stretched him- would give it to Mr. Ogilvy." self. "I've got my work cut out for me The girl nodded. "Mr. Ogilvy, will 'However, it'll be a fight worth while, man," she suggested. and that at least will make it interesting. Well?"

"Permit me, Moira, to present Mr. Ogil- then, punching the time-clock." vy, Miss McTavish." The introduction Again Moira inclined her dark head

when this portion of the town is abso-"I know he'll lie and steal. I dare lutely deserted. You have an extra key to the office, Moira. I wish you

haven't I?" he declared with a yawn, have to take pains to avoid our watch-

"That is a point well taken, Moira, Buck, when you call, make it a point Bryce pressed the buzzer on his desk to arrive here promptly on the hour. and a moment later Moira entered. The watchman will be down in the mill

having been acknowledged by both and withdrew. Mr. Buck Ogilvy groanparties, Bryce continued: "Mr. Ogilvy ed. "God speed the day when you can will have frequent need to interview come out from under and I'll be perme at this office, Moira, but it is our mitted to call during office hours." he joint desire that his visits here shall murmured. He picked up his hat and remain a profound secret to everybody withdrew, via the general office. Half with the exception of ourselves. To an hour later, Bryce looked out and that end he will hereafter call at night, saw him draped over the counter, en-

gaged in animated conversation with Moira McTavish. Before Ogilvy left, he had managed to impress Moira with a sense of the disadvantage under which he labored through being forced, because of circumstances Mr. Cardigan would doubtless relate to her in due course, to abandon all hope of seeing her at the office-at least for some time to come. Then he spoke feelingly of the unmitigated horror of being a s ranger in a strange town, forced to sit around hotel lobbies with drummers and other lost souls, and drew from Moira the assurance that it wasn't more distressing than having to sit around a boarding-house night after night watching old women tat and tattle.

This was the opening Buck Ogilvy had sparred for. Fixing Moira with his bright blue eyes, he grinned boldly and said: "Suppose, Miss McTavish, we start a league for the dispersion of gloom. You be the president, and I'll be the financial secretary."

"How would the league operate?" Moira demanded cautiously.

"Well, it might begin by giving a dinner to all the members, followed by a little motor-trip into the country next Saturday afternoon," Buck suggested.

Moira's Madonna glance appraised him steadily. "I haven't known you very long, Mr. Ogilvy," she reminded him.

"Oh, I'm easy to get acquainted with," he retorted lightly. "Besides, don't I come well recommended?" He pondered for a moment. Then: "I'll tell you what, Miss McTavish. Suppose we put it up to Bryce Cardigan. If he says it's all right we'll pull off the party. If he says it's all wrong, I'll go out and drown myself-and fairer words than them has no man ever

"I'll think it over," said Moira.

"By all means. Never decide such an important matter in a hurry. Just tell me your home telephone number, and I'll ring up at seven this evening for your decision."

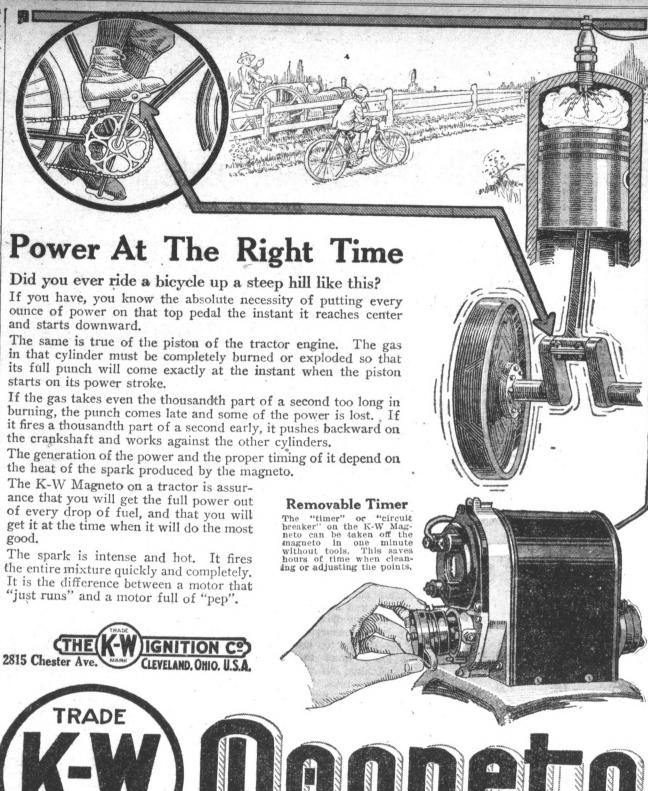
Reluctantly Moira gave him the number. She was not at all prejudiced against this carroty stranger-in fact. she had a vague suspicion that he was a sure cure for the blues, an ailment which she suffered from all too frequently; and, moreover, his voice, his respectful manner, his alert eyes, and his wonderful clothing were all rather alluring. Womanlike, she was flattered at being noticed-particularly by a man like Ogilvy, whom it was plain to be seen was vastly superior to any male even in Sequoia, with the sole exception of Bryce Cardigan. The flutter of a great adventure was in Moira's heart, and the flush of a thousand roses in her cheeks when, Buck Ogilvy having at length departed, she went into Bryce's private office to get his opinion as to the propriety of accepting the invitation.

Sunshine Hollow Items

By Rube Rubicon

Aunt Florabel Middleton has a son Felix, who is a broker in New York City. Felix has done very well and makes more money than most folks in Sunshine Hollow. But Mrs. Middleton, has told them all about Felix until they don't like him as well as they did Felix is a first-class man and good to Florabel but it is so tiresome to hear his praises chanted morning, night and noon.

Princess La Belle Chandra recently appeared in the circus which came to our vicinity. She proved to be Maud Goosen who used to live with her uncle over near the county line. Folks that used to know her said it didn't look very wonderful when Maud Goosen came in driving a gold chariot, dressed in pink tights. Folks that never knew Maud Goosen said that La Belle Chandra was fine, the best thing in the show.



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- He advocates the providing of certain facilities by the State for the better handling and marketing of farm products.
- 4. He favors lake-to-ocean route as outlet to Michigan products and gateway for Michigan necessities.
- He believes in generous treatment of service-men and their families.
- He has had broad experience in State affairs as Representative, Senator and Secretary of State and as such took great interest in advancement of child welfare, pure food laws, health laws, laws relating to good roads and the better rest. roads and the betterment of farm conditions.
- He has at heart the highest good of the State, the correlation of all its varied activities and the fullest development of its business, social and religious life.

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Additional Poultry Ads. on Page 251



Primaries August 31st

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Woman's Interests

Making and Baking a Pie

By Ella E. Rockwood

pie well made and well baked would cinating. be selected by the average American man in preference to the salad which wooden spatula, first in hot water then frosting which you see in bakers' winwe are told, if made by a certain rule in cold. Fill the bowl with cold water, dows are also made from puff paste.

quality of her pies, was once inter remove, and pat it gently until it is per- Butter the cylinders and brush the side viewed by a bride, zealous to emulate fectly free of water. Have the room, of the paste which is to go on the cylher friend's skill and provide her hus- butter and flour as cool as possible, inder with water or egg white. Cut band with his favorite dessert in all its Sift two cups of flour and a fourth of the paste in lengths to fit the cylinder, and why not? It is taken from an old move to moulding board and knead move carefully from the cylinders, cool, cook-book dated 1879:

out on a floured board, give it a few up over the butter and the other end igan Agricultural College, who have quick turns and divide in two nearly equal portions, reserving the smaller of the two for the top crust. Roll and fit the lower crust to the pie-pan. Avoid stretching, but allow it to come well over the edges. There should be just enough for the purpose.

Any fruit pie requires a cup of sugar, speaking approximately, and juicy fruits, such as berries or cherries, will require a well-rounded tablespoonful of flour for thickening. Apples require neither flour nor water. The flour and sugar should be measured, not guessed at. Some cooks, but not all, are good guessers, and it is better to be safe than sorry. A standard half-pint measuring cup graduated into quarters, thirds, and halves should be in every kitchen cabinet.

The flour, sugar and fruit may be all stirred together, or placed in separately. With apples put sugar on top, and lots of butter, not forgetting a under the butter and press the edges tested it, say that it does all it claims. fruit pies.

Roll top crust, not too thin, and place under the action of heat. Press firmly a rectangle as possible. This will need forks are not taken for kitchen use. at the edges but do not pull. Moisten- an even stroke, with equal pressure all ing the edges may assist in preventing over the paste. Then fold one end of boiling out of juices, but it also makes the paste back to the middle, and the the crust hard. If carefully pressed to- other end over the first end, so as to gether and not broken anywhere the have three layers of paste with even and string. juices will not trouble. Or a strip of edges. Turn half way round again, so Corn.—Corn must be canned as soon fully in a moderate oven. It is exterme in cheesecloth and chill on ice.

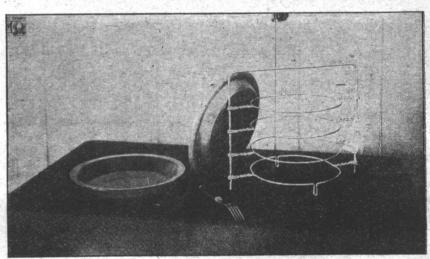
may be, the fact remains that a woman who likes to bake finds it fas- twenty-five minutes.

it may be dignified by the expression, with cold water to a soft dough. Re- bake on a cookie tin. When done rein a bowl with one-fourth teaspoon of is wide. Pat the butter into a similar filling. salt. With a silver fork or tips of the shaped rectangle and place it exactly

MERICANS are said to be a na- learn to make puff paste. This re- the paste should be rolled about onetion of pie-eaters. However this quires patience, time and care, but the fourth of an inch thick and baked for

The little rolls filled with whipped Wash the hands, mixing bowl and a cream and covered with chocolate would "tempt a dying anchorite to put a half pound of butter into the wa- They are made by rolling the paste ter and work with the spatula until the into strips four inches wide and baking A housewife famed for the delicious butter is soft and easy to mold, then around cylinders of tin or hardwood. perfection. So here is the formula, if a teaspoonful of salt together and mix press carefully around the form, and until the dough is elastic. Cover it and and frost. Do not fill the center until "For each double-crust pie take one- let stand five minutes, then roll out ready to serve. They may be filled and-one-half cups of pastry flour, sift into a rectangle a little longer than it with whipped cream or a cream pie

For the woman who makes many fingers work into the flour one-half cup in the middle of the lower half of the pies the pie rack for cooling them, of lard until the two are thoroughly paste. Fold the top of the paste down shown in the illustration, will be a welblended. Add a very little cold water, over the butter, creasing in the center, come kitchen help. The tin with the only sufficient to bind the mass so that and press the edges closely together thick rolled edge, leaning against the it may be rolled out without adding all around. Take care to exclude all rack, is claimed to give you a pie withany more flour. About four tablespoon- air. You then have a long, narrow rec- out a scorced or too-brown edge. The fuls should suffice. Turn the dough tangle. Now fold one end of the paste domestic science workers at the Mich-



A Convenient Pie Rack.

minutes.

top crust with milk is sometimes con-desired shape, rounds, squares or dia- kept constantly boiling. sidered an improvement. It gives it a monds, and filled with any desired fill- Many prefer corn dried. This is strawberry or raspberry tarts.

hand at some of the French pastries, be made of this paste. For these shells touch the product drying, about three

sprinkle of salt. Add the latter also to together. Cover it and let stand five The glass plate is nice if you wish to bring the pie to the table, as it is al-Turn the paste half way round, pat ways clean and keeps its color. A fourloosely over the pie. If drawn tightly carefully with the rolling pin, making tined fork is almost a necessity in pieit will pull away from the edge some-ridges on the paste, and then roll into making, and if you buy a steel one for where in baking, since pastry shrinks a long strip, keeping the paste as near this purpose you are sure your silver

HOUSEKEEPER'S CALENDAR.

Can corn, succotash and beans, Lima |

clean white cloth may be bound around as to roll in the opposite direction. Re- as pulled from the stalk. It loses half the edge. Another device is to place a peat this process six times, then cut its sugar by allowing it to stand over small paper funnel in the top crust to paste in desired shapes and chill on ice night. Husk, remove silk, blanch five allow the steam to escape, since the a half hour before baking in a very minutes, plunge at once into cold wagashes made with a knife for this pur- hot oven. If the butter begins to soften ter, remove instantly and cut from cob. pose often close in baking. Bake care- while you are rolling, wrap the paste Pack into jars to within an inch from top. Add one teaspoon of sugar and heat which causes the juices to burst This process gives a pastry with dis- one of salt, adjust rubber and top, and through the crust. When the bottom tinct layers which may be used in set at once in the boiler. When the of the tin hisses under the moistened many ways. One of the most common boiler is full, cover and boil four hours. finger the pie is done. Brushing the is in tarts, which may be cut in any Water must cover the cans, and be

delicate brown, flaky appearance when ing. Perhaps nothing is nicer than a good time to dry in the sun. Have a wire mesh frame built outside and If you have long ago mastered the Patty shells to be filled with cream- set up on four posts far enough from art of pie making and want to try your ed chicken or other meat or fish may the ground so that the dew cannot feet is right. The tops of the posts should also come above the frame so

that at night an oilcloth may be thrown over the top and not touch the food. Spread a cheesecloth over the wire, and on this spread the corn in a thin layer. Unless a heavy storm is coming up it will not be necessary to bring in

that beans are not improved by blanch-

serving and pack jars to within an inch

of top. Cover with boiling water, add one teaspoon of salt, adjust rubbers

and caps, and boil, process, three hours. Lima Beans.-Pick before pods be-

come dry. Shell, pack lightly in jars

Wash, string, cut in pieces for

THE SIGN OF



QUALITY

the vegetable, as an oilcloth cover will Results in Baking protect it from ordinary dampness. Corn may be canned on the cob, but wide-mouthed jars are needed for this. Test the Quality of Flour Follow the same directions as for canning the kernel. Beans.—Experiments have shown

There is all the difference in the world in the quality of flour. Everything depends upon the kind of wheat used and the methods used in converting the raw materials into the finished article.

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to within an inch of top, add a teaspoon of salt, and hot water to cover, adjust rubbers and tops and process three hours. Succotash.—This is a mixture of

equal parts of corn cut from the cob, and Lima beans. The corn must be blanched and plunged. Mix the corn and beans, fill jars to within an inch of top, add a teaspoon of salt to each quart jar, hot water to cover, and process three hours.

Look through closets carefully for signs of moths or other pests. Woolens should have been carefully stored in tight containers in the spring. If any were missed, bring them out into the sunshine and look for traces of moths. Then seal up in old newspapers with paste, and store.

Secure list of school supplies needed and buy them on next trip to town.

WOMEN AND THE NEW DEMOCRACY.

BY MARY M. ALLEN.

THE greatest enemy of democracy is the ignorant voter. Educational leaders recognizing this are putting into the hands of every teacher a little publication entitled "School Service." School Service informs us what democracy is doing for its people and what people may do for democracy; for the new vision of citizenship in democracy belittles rights and emphasizes duties. Michigan educational leaders have placed books on government in the teachers' reading circle for the past three years. Among these are, "Government as a Business," by Frank Sparks, and "Americanism-What Is it?" by David Jayne Hill. No better work has been brought out recently than "Democracy and the Great War," by George N. Fuller, Lld., Secretary of the Michigan Historical Commisison. To one who has already attained a familiarity with European history, it comes to refresh one's memory. To those who have not studied the background of American history, it states clearly and simply the growths and concepts of democracy.

The public information committee organized during the war issued some valuable pamphlets in the Red, White and Blue series. These may be had at any library. The World Peace Foundation of Boston-have compiled a fine collection of speeches, magazine articles and historical essays which may be obtained at a nominal price. Among them are articles by Lord Grey, Lawrence Lowell, Douglas Adams, William Howard Taft and other national authorities on international affairs.

Women's clubs throughout the country are arranging for lectures and studies in local civics, which should interest every woman voter. Business methods and efficiency must enter into the administration of government if overtaxation be avoided. Any woman who possibly can should avail herself of the wealth of material at her disposal

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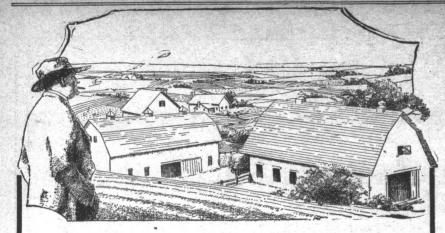


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Young Folks' Round Table

By Uncle Ed.

many fine departments of our paper.

She Wants to Know.

This morning a letter came to our house from a girl who has lately becourse, right straight back will go the that work, and it will be a help to this such things. And the thing I would like to say just now is that there is no fruits of all kinds than right now, while easier to learn in the dear old home than it is to pick it out from a letter way off. There are many good things just now to be put up, so why not begin when you will be glad you did this.

Can You Do It?

It is fine of the editor of The Mich-time, the boss carpenter had a lot of igan Farmer to set apart for the trouble getting some of the tenons on boys and girls a good big corner the ends of beams to go to place in where we may meet, talk over the the mortises where they belonged. He things which interest us, and have a often had to take a big chisel, a "slick," good time generally. Not that I do he called it, and cut the end of the not expect that more than one of the tenon down so it would slip into the older boys and girls of this big farm mortise. Do you know what was the family will peek over here, when they trouble? The mortise was "standing." have feasted on the good things they That is, it was not chiseled out so the find in other columns of the paper; for sides would be perpendicular. The I have many times thought that when trouble in the first place was that the the young folks are interested, the holes were not bored right in the timolder ones are, too. So if we can make bers. They were not straight up and this department so bright and so hom-down, so when the wood was cut, it left ey that boys and girls will turn to it a "standing" mortise. If you were to the first thing, we may be quite sure bore holes of that kind, could you bore that our fathers and mothers will be a hole that would be perfectly straight interested, too. One thing we sure do up and down? Try it and see. It is want to do: and that is to have our worth practicing on. At the same time corner so good and clean and helpful try sawing a board off true. You will that, it will be the finest of all the need to hold your saw pretty carefully or it will "run" and the end of your board will not be squarely cut across.

What Made Her Do It?

We had a fine mare on our farm, but come a wife, and she asks: "A friend what a thundering noise she would of ours has given us some tomatoes make at night, kicking the sides of her and I don't know how to can them. stall and often getting with her front Won't you tell me how to do it?" Of feet right up into the manger! We were not very well pleased with this letter telling just how mother does habit on the part of Old Kit; but when we talked with a man that knows more wife who has never learned how to do about such things than we do, he said, "Maybe there are rats in the stable." We knew Kit was a nervous sort of an better time to master the art of can- animal, so we said, "Bet that's just it." ning garden vegetables and putting up And we set some traps, and before we were through with it we caught more you are still at home. It is so much than twenty big rats. No wonder Old Kit thrashed round in the stall at night, kitchen, with mother as the teacher, with all those rats scampering about, perhaps under her very feet, and makwritten ever so plainly by one a long ing things lively for her when she wanted to rest. Anyway, after that Old Kit was much more quiet at night this very day? The time will come than she ever had been during the rat crusade. Most always when horses get such tricks, it is possible to trace them At a barn raising I attended one back to some very commonplace thing.



Kenneth B. Cook, of Howell, made very happy on his last birthday when his father presented to him this fine registered Holstein heifer calf as a birthday present. We cannot think of a finer gift for a boy to receive than a calf and we feel certain that some day when Kenneth becomes a breeder of live stock he will look back to this first calf with a whole lot of pleasure.

Thinks You Boys and Girls Are Doing a Big Work

HELP PREVENT WOODS FIRES.

before throwing it away.

ing tobacco.

Be sure your match is out

Don't throw away burn-

Choose a safe place and

make your camp fire small.

Put out your fire with water and then cover it with

Don't make large brush

heaps. Choose a still day for

burning and plow furrows

BE CAREFUL WITH FIRE.

to protect nearby woods.

that you have done, so that it is not of learning and the value of knowing necessary for me to recite your record the right thing to do in order that you here. You are to be congratulated, may set a proper example. You have however, in having an agricultural col-made a record. You have won this lege and other agencies which are in- year and certainly you must work, and tensely interested in the work that you study, and profit by experience, in or-

are doing as members of the Boys' and Girls' Clubs. I say this sincerely and honestly, not because you are here, but because I believe that there is no work along agricultural lines, that is more far-reaching or will bring greater results in the long run than 'that which you are doing in the study of agriculture. There are two thoughts I would like to leave with you.

"One Thousand Years' Experience." would engage an architect. If you were or an hour and a half, in this way, to rection." secure information which it has taken another ten years to learn. By taking in the same way the experience of another man or woman, you may secure twenty years' experience on that par-

man with whom I came in contact re- on the skin. cently was anxious to get into business to get 'started,' as he said, in his life work, but he did not have the equipment, education, or experience of other men. He decided later to take a year's course in a school where men experienced in the line he expected to take up told their experiences. At the end of the year he said, 'The one big thing that I value, the one thing that is worth more to me than all the other things I have learned, is the value of learning.'

"In other words, he found out how know that you are proud of your rec- ant matters being considered.

N the presence of two hundred farm ord-should set the example for others. boy and girl prize winners, Secre- You are going to be the leaders in agtary of Agriculture Edwin T. Mere-riculture in your several communities. dith last week made the following ad- It is highly important, therefore, that you should profit by the experience of "You, of course, know of the work others and should appreciate the value

der that you may maintain that record 'and go on and on in this work which is so well worth while. Experience of Others

Helpful. "Those, then, are the two thoughts that I want to leave with you. Get a thousand years' experience, if you can, by taking advantage of the experience of others because it will certainly help you If you were going to build a house, you

"On other occasions I have talked ill, you would call a doctor. If you about 'one thousand years' experience.' were going into the mining business, There is no one of us, of course, who you would employ an engineer. The can hope by his own efforts to secure same principle applies to agriculture. one thousand years of actual, personal You men, you boys and girls, must be experience in a lifetime, but if we will the engineers, the architects, the direcprofit by the experience of others, of tors of agriculture in your communisome farmer, some member of the ag- ties, because you have demonstrated ricultural college, some expert in the by your prize winning your ability to department of agriculture, or if we will do this thing. By having wide knowlread a bulletin prepared by someone edge, you will be better able to accomwho has devoted his life to a certain plish success for yourselves and to be subject, it may take you only one hour helpful to others by example and di-

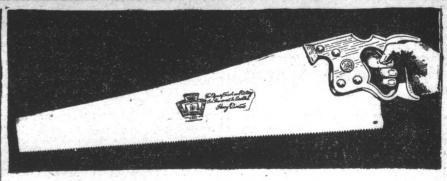
BY S. THOMAS.

ticular subject. In other words, you N order to tan woodchucks for are taking advantage of the life work I leather, the first thing to do is to of many men and women and you can carefully flesh the skin-a dull knife thus have, in effect, so far as your may be used for this purpose. The own work and your own knowledge is fleshing should be done soon after the concerned, a 'thousand years' experi- animal is killed while the skin is green ence'; and it is the man with the larg- or wet. Then the hair is removed. est experience who is the most success- This is done by soaking-the skin in a ful. That man is best educated, as bucket of ashes and water and letting someone has said, who knows the most it remain in this fluid until the hair of the experiences of others. One becomes loosened, when the hair is all thought I wish to leave with you, taken off. Next prepare the tanning therefore, is that you get all the ex-solution by shaving a bar of common perience you can in this work of agri- laundry soap into a pail of hot water culture by profiting by the experience and stirring until the soap is completely dissolved. Put the skin in this solu-"I wish also to imbue you, if I can, tion and let it remain about four days, with the value of knowledge. A young or until no dense spots are to be seen

> Then take it out, wring it as dry as possible and hang it in the sun to dry. Stretch, rub and twist the skin repeatedly while drying so that it will dry soft. If parts of it are still hard and stiff, it must be put in the soap solution again and the succeeding operations gone through once more.

POULTRY GROWERS TO DO NA-TIONAL ADVERTISING.

little he knew, how little of other men's A T the national poultry convention experience he actually had, and all A at St. Louis the question of ways through his life now he will appreciate and means to undertake a national adthe value of knowing what other men vertiming campaign to give publicity to have learned. That is what I would the food value of eggs and poultry like to have you girls and boys under- meat, similar to what has been done stand, that if you will take advantage by the orange growers, raisin growers, of another man's experience you do not National Apple Association, the Naneed to make his mistakes. It is essen- tional Dairy Association and for many tial that this group of prize winners- other agricultural products, which are and you are entitled to be proud, and I being advertised, is one of the import-





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Every Farm Needs The Saw Most Carpenters Use

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Wildwood Farms Angus

Effies Lass 238203 sold on May 6th for \$7100. She was sired by Black Monarch 3rd. We are offering for sale Editor of Wildwood 295059 a full brother in blood lines to Effies Lass also four more choice bulls which are old enough for service and sired also by the champion show and breeding bull Black Monarch 3rd.

Our herd is under State and Federal Supervision.

WILDWOOD FARMS

ORION, MICHIGAN

W. E. SCRIPPS, Prop.,

Sidney Smith, Supt

WOODCOTE ANGUS

Imported Herd Bulls ELCHO OF HARVIESTOUN (45547) by Jason of Ballindalloch (38048) EDGARDO OF DALMENY (45501) by Escort of Harviestoun (36006) Woodcote Stock Farm, Ionia, Mich.

Guernsey Bulls

a two year old and a three year old purebred May Rose bull. Dams, advanced registry, splendid individuals, none better for herd sires. Prices \$175 and \$200 respectively to sell them at once.

Chetwood Farm, Northville, Michigan

Address John Stucey, Manager

SPRING DELL FARM GUERNSEYS For sale: Choice of two bulls two and three years old; also bull calves three to twelve months. Registered. Splendid individuals and breeding. Prices right. WHITE BROTHERS, R. 2, Box 20, La Porte, Indiana.

Reg. May Rose Guernseys
One 10 mos. old bull left. He is a dandy. His dam
has an A. R. record of 553 lbs. fat as 2 yr. old. Price
right breeding considered. Herd Federal Accredic
GLIMORE BROTHERS,

Pure bred Guernsey bulls from one to four weeks old.
Registered \$30, not registered \$25. Orders shipped in rotation received. No excuse for sorub bulls.
WALTER PHIPPS FARM, 80 Alfred St. Detroit,
Geo. E. Currie, Mgr.

For Sale: Guernsey bulls from 3 months to 6 months old. Thefr sire is DOTTIE'S PRINCE NO. 4469; his dam has an official yearly record of 647 lbs. butter fac.

L. J. BYERS, Coldwater, Mich.

CUERNSEYS—Federal Inspected. Headed by only son of Carrie of Hillhurst, exchampion of A. A. class. 5 bulls under 10 mos., 1 a dandy whose dam in class D has given over 50 lbs. milk No females to spare. G. W. & H. G. RAY, 4 mi. east of Albion, Mich.

For Sale Registered Guernsey bulls. May Rose breeding cheap if taken soon. Come or write. John Ebels R, 2 Holland, Michigan.

Registered Guernseys a very fine show calf, this bull calf is out of a cow milking 40 lbs. a day, the price will surprise you, better get his pedigree.

J. M. WillLiams, North Adams, Mich.

GUERNSEY BULL CALVES whose 19,460.20 milk, 909.05 fat. Their mother's sire's dam made 15,109.10 milk, 78.80 fat.
T. V. HIOKS. Battle Creek, Mich.

GUERNSEYS —REGISTERED BULL OALVES Containing blood of world champions.

HICKS' QUERNSEY FARM, Saginaw, W.S. Mich

FOR SALE Registered Guernsey heifers, yearlings and calves.

E. A. BLACK, Route 3, Howard City, Mich.

May Echo Sylvia Bull calf. 2 crosses to May Echo Sylvia, and 3 crosses to King of the Pontiacs, Dam a 2 yr. old daughter of a 29 lb, cow, 6 of his nearest tested dams average 34.49 lb, of butter and 759 milk. C. H. GIDDINGS, Gobleville, Mich.

LONG DISTANCE HOLSTEINS HERD SIRE PRINGE ONA (Prince Ona) 236565 Five dams av 1186 ibs. butter and 2471 lbs. milk in 1 yr. Only 1 good bull calf left, born Nov. 18th '19, dam untested, \$100. State and Federal supv.—a clean herd. A. FLEMING, Lake, Mich.

Auction Sale Of Holsteins

Sept. 8 1920, Sale at 1 P. M. Sharp

Segis and Pontiac Breeding

Herd headed by Almer Dunbar Segis No. 240348. Great grand son of Colantha Johanna Lad. 13 head of Reg. and grade females, 5 fresh in Aug. and Sept. George H. Landenberger, 3/4 Mile North of Williamston, Mich.

I. C. SOWS FOR SALE

One of the Best Herds in Michigan
Young sows due to farrow in September. Spring boars ready for shipment. Choice individuals of BIG TYPE breeding. I ship C. O. D. pay express and register in buyer's name.

J. CARL JEWETT,

R. 5, Mason. Michigan

Michigan

Young sows due to farrow in September. Spring boars ready for shipment. Page 18 of the page 18

Purebred Holstein Cows Lead

After a 6-year study of dairy operations on over 20 farms in three different parts of Minnesota, Prof. Cooper of the State Experiment Station finds that dairying is most profitable in the "Holstein Section" of the state.

stein Section" of the state.

In 1905 the average profit per cow was only \$10.10. In 1909, it had increased to \$38.45 per cow, or 43 per ct. on capital invested. Increase was due to improved herds, purebred Holsteins having been substituted for grade beef breeds. As soon as dairying is put on a systematic basis, the Holstein cow comes to the front. If facts and figures mean anything to you, send for our illustrated literature.

THE HOLSTEIN-FRIESIAN ASSOCIATION
164 Hudson Street
Brattleboro Vermont.

OUR HERD SIRE Model King Segis Glista

By a 30 lb. son of Lakeside King Segis Alban De Kol. His dam Glista Fenelle 32.37 lbs. Her dam Glista Ernestine 35.56 lbs. His three nearest dams average over 33 lbs and his forty-six nearest tested relatives average over 30 lbs. of butter in seven days. Write for prices on his sons.

Grand River Stock Farms
Cory J. Spencer, Owner Eaton Rapids. Mich.

-WinnWood Herd-

Flint Maplecrest Boy No. 166974

one of his SONS will raise your herd to a higher standard and better production we have them for sale at moderate prices.

A Few Females For Sale

OUR JUNIOR HERD SIRE-Sir Ormsby Skylark Burke No. 264966 A brother to the world champion cow over all breeds.

breeds,
DUCHESS SKYLARK ORMSBY
Michigan's best bred Ormsby bull.
Better get on the list for one of his sons out of
daughter of Flint Maplecrest Boy.

JOHN H. WINN, (Inc.) Roscommon,

NOTCH'

HOLSTEINS

HOLSTEINS

McPHERSON FARMS COMPANY
has raised many great milk cows:

I Officially Produced

State of the stat

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

Registered Holstein cows and heifers due to freshen this fall. Some bred to a 42 lb. bull. Price \$200 tc \$400 each. B. B. REAVEY, Akron, Mich.

BULL CALVES FOR SALE

From dams with good records.
BULL CALVES SIRED BY 45 lb. BULL.
BULL CALVES SIRED BY 34 lb. BULL.
BULL CALVES SIRED BY 33 lb. BULL.
PRICES VERY REASONABLE. Privelege of return if not satisfied.

31.06 lb. butter 571.46 lb. milk in 7 days, is average of 9 nearest tested dams of 2 mo. old bull. Price \$150. Terms. Beam, M. L. McLAULIN, Redford, Mich. Herd under State and Federal Supervision. Michigan.

CLUNY STOCK FARM

A Semi-Offical Bred Bull to Head **Your Head** Maplecrest Application Pontiac No.132652, heads

Maplecrest Application Pontiac No.132652, heads

Our Herd

His dam's record is 1344.3 lbs. butter 23,421.2
lbs. milk in 365 days, and 35.103 lbs. butter and 515'6 lbs. milk in 7 days.
One of his sons from our good record dams will carry these great blood lines into Your Herd.

For Pedigrees and Prices write to

R. Bruce McPherson, Howell, Mich.

Holsteins of Quality for sale. Heifers from 8 to 24 monts old. All registered and sold subject to tuberculin test. E. A. HARDY, Rochester, Mich.

The Traverse Herd 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 1 Reg. Holstein bull calf, born Dec. 2, 1919.
Write to LOUIS LIETAERT, Tower, Mich.

Holstein Friesian heifer and bull calves, purebred splendid individuals and breeding. Write us your re-quirements. Browncroft Farms, McGraw, N. Y.

Increase the Efficiency of your

DAIRY HERD

by using a Registered Holstein Sire

We have bulls of all ages listed at reasonable prices.
Also grade and pure-bred cows and heifers.

Michigan Holstein-Friesian Asso. Old State Block, Lansing, Mich.

BARGAIN PRICES on pure bred heifers and young bulls ready for service. JUSEPH H. BREWER, Grand Rapids, Michigan

HEREFORDS

20 Cows and Heifers of popular breeding for sale also bulls not related.

ALLEN BROS. PAW PAW,

MICHIGAN

HEREFORD

D. S. Polled Herefords

grand champion Sullion 4th.

For Sale—A few good polled and horned cows bred to
this great bull. Also three fine bull calves not
related to him. Correspondence solicited. Cole & Gardner, Hudson, Mich.

Herefords. Just purchased 3 new herds, now have 150 head; we offer you anything desired either sex, horned or polled, any age. Priced reasonable. THE McCARTYS, Bad Axe. Mich.

Herefords: 4 Reg. bulls 5 to 8 mo. old. Prices reasonable for quick sale visitors welcome. Reed Schultz, R.3, Homer, Mich.

The Wildwood Farm Jersey Cattle, Majesty strain, Herd on State accredited list, R. of M. testing constantly done. Bulls for sale. ALVIN BALDEN, Phone 143-5, Capac. Mich.

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

For Sale Jersey bull calves of Majesty breeding from mont "Accredited List." Write for price and pedigree to C. A. TAGGETT, R. 2, Fairgrove, Mich.

LILLIE Farmstead Jerseys—A few heifers bred to freshen soon, heifers bred to freshen next fall, cows,R.of M.bull calves. C.C.Lillie, Coopersville, Mich

Jerseys For Sale, Register of Merit Smith and Parker, Howell, Michigan.

For Sale. Jersey bull ready for service sired by Flying Foxe's Gay Lad. Dam record 472.5 lbs. butter 6675 lbs. milk. Notten Farm, Grass Lake, Mich.

SHORTHORNS

oull that will put weights on your dairy calves—difference will soon pay for the bull. Now selling d Scotch and Scotch-topped yearlings, reasonably sed. A roan, senior yearling, a Missie of Villager eding, a herd bull prospect, Federal Test.

BIDWELL STOCK FARM, Tecumseh, Michigan

We Now Have

a number of choicely bred scotch females of any age for sale also three buils from 6 to 18 months old. Visit our herd before buying. Sold 5 calves for \$5600. CARR BROS., & CO., Bad Axo, Mich.

Richland Stock Farms

Home of the Michigan Champions. Shorthorn Sires in Service:

IMP. Lorne, IMP. Newton Champion, Sterling Supseme. Why not buy a young bull to head your herd that carries the blood that is making Shorthorn History. Only a few real headers left. Write your wants.

C. H. PRESCOTT & SONS, Tawas City, Mich.

Shorthorns New list 39 bulls, 49 females. Central Mich. Shorthorn Asso. write OSOAR SKINNER, Sec., Gowen, Mich.

Shorthorns Scotch and Scotch Topped bulls and heifers priced right. Sultan Champion heads herd, one scotch two yr. old Sultan Champion heads herd, one scotch two yr. old herd bull by Red Cumberland priced right. H. J. FLOWER & SON, Milo, Mich.

St. Joseph Valley Shorthorn Ass'n has for sale males and females of all ages and best breeding.

AARON HAGENBUCH, Sec-treas. Three Rivers, Mich

Milking SHORTHORNS. Clay bred bull calves Herds under Federal Supervision.

Davidson & Hall, Benand & Beland, Tecumseh, Mich. Shorthorns Good Scotch bred bulls, cows and helfers priced right,
W. B. McQUILLAN, R. 7, Howell, Mich.

M EADOW Hills Shorthorns, Herd headed by Sil-wer King, full brother of Lavender Sultan Pur-due University's great sire. For sale females of all ages, a few young bulls. Geo. D. Doster, Doster, Mich.

Milking Shorthorns of best Bates breeding, bulls 6 to 8 mo, old for sale.
E. H. KURTZ, Mason, Mich.

Shorthorns of Merit Both males and females for sale. ARTHUR DODDS, Lapeer, Michigan

Shorthorn Bulls Eight to ten months old of Scotch and Scotch Topped breeding. Lawrence P. Otto, Charlotte, Mich.

For Sale 19 Shorthorn registered good breeding will sell cheap to close out. Apply The JENNINGS FARMS. Bailey, Mich.

For Sale Shorthorn Scotch bree bull, papers Price right.

ANTHONY TROLLMAN, R. 3, Box 99, Fenton, Mich.

SHORTHORNS—Imp. Mysic Prince in service bred by J. Durno, sire bred by Wm. Duthic. Stock for sale. J. A. BARNUM, Union City. Mich.

Red Polled cattle for sale bulls from 4 to 18 mos. also cows with calves by side and heifer's.

G. A. CALHOON, Bronson, Mich.

Reg. Red Polled cattle choice young buils from 6 to 18 FRANK KEBLER, R. 1, Grand Ledge, Mich.

Steers For Sale Several bunches of good stockers and feeders weighing from 650 to 1050 lbs. Each bunch even in size and color write at once stating your wants.

W. W. DYER, Ottumwa, Iowa

HOGS

Berkshires size with quality is our special-ty. Write your wants to M. G. MOSHER & SONS. Osseo, Mich.

Registered Berkshires, Gilts, and Sows bred for April May and June farrow. A yearling Boar and a few younger.Spring pigs. Chase Stock Farm, Marlette, Mich.

Brookwater Duroc Jerseys FOR SALE

Bred Gilts of Choice Breeding few good ones left. This is your opportunity to ROCK BOTTOM PRICES

-alsoREADY FOR SERVICE BOAR
Brookwater Durocs are the real pork producers and
the best bred hogs in Michigan. COME TO FARM OR WRITE-MAIL ORDERS A SPECIALTY

BROOKWATER FARM ANN ARBOR, MICH. H. W. Mumford, Owner, J. B. Andrews, Mgr.

DUROCS WITH QUALI

Spring pigs by Walt's Orion, First Sr. Yearling Detroit, Jackson, Gd. Rapids and Saginaw 1919 Phillips Bros, Riga, Mich.

DUROC JERSEY SWINE

for sale 2 yr, old herd boars, yearling boars and boar pigs, also bred sows and gilts. Write for pedigrees and prices. Come and see them. THOS, UNDERHULL & SON, Salem, Mich.

Duroc sows and gilts bred to Walts King 29499, at the State Fair in last 2 years than any other Duroc boar. Everyone will be a money maker for the buyer. Cat. and price list.

NEWTON BARNHART, St. Johns, Mich.

OAKWOOD FARM DUROCS We can furnish you with anything from a weanling pig to a boar of herd heading caliber at reasonable prices. Your inspection and correspondence is solicited. RUSH BROS., Romeo, Mich.

12 Choice Duroc gilts bred to farrow July and Aug-pet. Daughters of Michigan Cherry Col., bred to Jacks Cherry Oriob King Number 198259. Son of the \$10,000.00 champion Jacks Orion King 2nd. All large type, heavy bone gilts, 220 to 300 bs.

SAGINAW WELL ORGANIZED.

I think the visit I made to Saginaw county last week might be a worthwhile story for the Michigan Farmer. While I was there I worked with the county agent, Mr. A. E. Bovay, and was successful in lining up associations at Freeland, Breckenridge, Chesaning and Merrill, with the Michigan Live Stock Exchange. These associations are live ones and I think in a mighty short time will be doing a good business.

Mr. Bovay's work in Saginaw county has been mighty thorough and I think it safe to say that Saginaw county in a few months' time will be one of the most thoroughly organized counties in the state from a standpoint of cooperative marketing, and several other towns in which we have started a sentiment in favor of cooperative live stock shipping associations .- E. E. Compson, Manager Michigan Live Stock Exchange.

PRESENT WOOL MARKET SITUA-TION.

(Continued from page 232).

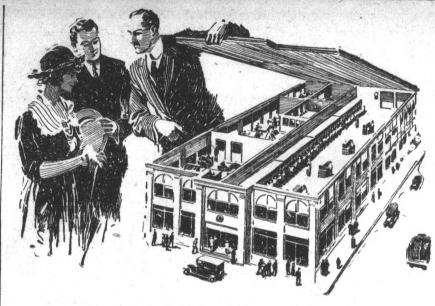
they are practicable. The requests for the sets have been more than the wool division has been able to handle. They are sent free to those who are interested in wool grading and marketing. They remain the property of the government, and any person making a request for a set of sample grades is required to say what use he is planning to make of it. The object in sending out the sample grades to wool growers, dealers and manufacturers is to get their suggestions and criticisms. The bureau wants the cooperation of all these interests to the end that it may bring about a better understanding between them so that they will be able to speak in the same terms when referring to wool classifications. It is the ultimate aim of the bureau of markets to develop a system of standard wool grades, under which all the wool produced in this country can be sold, to the advantage of all engaged in the production, handling and manufacture of wool. It is a very important matter to wool growers, and the wool division officials promise to report some very interesting developments in their wool standardization work at an early date. E. E. R.

VETERINARY.

Roarer—Heaves.—We have a mare that has commenced to roar and show symptoms of heaves. For some time she seemingly suffered from a cold or distemper. Can she be cured? S. B., Williamston, Mich.—Apply equal parts of tincture of iodine and camphorated oil to throat daily, give dessertspoonful of Fowler's solution at a dose three times a day. Grain and grass is the best feed for her. Feed no clover or musty, dusty dry fodder, wet her feed and avoid feeding her much bulky fodder.

Shy Breeder.-I purchased a Jersey heifer supposing her to be with calf, but she was not. She came in heat but she was not. She came in heat regularly for three months then ceased to come in heat. She ran with the bull and I decided she must be with calf. She is not pregnant and does not come in heat. Her bowels are too loose, she is thin and has a bad cough. She is fed oats twice a day and has good pasture to run on. A. B., Milligan, Mich.—If she has not already been tested with tuberculin and failed to show a reaction of two or more degrees F., better have it done. It is possible that she was with calf and aborted.

Black Teeth.—I have a bunch of twelve pigs twelve weeks old and most of them are troubled with black teeth. Some of them are troubled with swolsome of them are troubled with swollen throat, gradually quit eating, grow thin and die. A. H., Saginaw, W. S., Mich.—Many healthy young pigs have one or more black teeth; however, it is possible that your pigs may suffer from Necrotic Stomatitis, a disease of frequent occurrence in suckling pigs. In the early stages the treatment of the cases may be successful by: the cases may be successful, but in the advanced stages the disease usurally proves fatal, regardless of treatment. Wash mouth with salt and water flux times daily. ment. Wash mouth ter five times daily.



The Public Confidence

An important part of the management of the Bell System is to keep the public informed concerning all matters relating to the tele-

We consider this an essential part of our stewardship in the operation of this public utility. It is due not only the 130,000 shareholders, but it is due the whole citizenship of the country.

We have told you of new inventions to improve service, of the growth of service, of problems involved in securing materials, employing and training workers, of financing new developments, and of rates necessary to maintain service.

You have been taken into our confidence as to what we are do-

ing, how we do it, why we do it. You have been told of our efforts to meet unusual conditions; of how we have bent every energy to provide service in the face of storms, floods, fires.

It is an enormous task today to provide adequate service in the face of shortage of workers, raw materials, manufacturing production and transportation.

Nevertheless the service of the Bell System has been improved and extended this year. Over 350,000 new stations have been put into operation. And the loyal workers of the Bell System are establishing new records for efficiency and will establish new records for service.



AMERICAN TELEPHONE AND TELEGRAPH COMPANY AND ASSOCIATED COMPANIES

One Policy

One System

Universal Service

Raise Chester Whites

Like This

the original big producers

HAVE started thousands of breeders on the road to success. I can help you. I want to place one hog from great herd in every community where I am not already rea

my great hord in every community where I am not already re-resonted by these fine early developers—ready for market at a months old, Write for my plan—"More Mency from Hogs. 6. S. BENSAMIN, R. F. D. 10, Portland, Michiga

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 Champion boar of Michigan, New York and Tennessee state fairs. Also, C. C. Giant Buster, undefeated Senior boar pig wherever shown and Grand Champion of Oklahoma state fair. Get our catalogue of Crandell's prize hogs, Cass City, Mich,

Central Mich. O. I. C.

Swine Breeders Ass'n.

Hogs of all ages of popular blood lines. Every sale guaranteed by association.

DR. H. W. NOBLES,

O. I. C. Gilts bred for July and Aug. farrow.
Also spring farrowed pigs.
G. P. ANDREWS, Dansville, Mich

C. Gilts bred for Sept. farrow and spring pigs.
F. C. BURGESS, R. 3, Mason, Mich.

Coral, Mich.

45 Years on the Line Come to Headquarters for

Cotton Seed

OWL

DOVE

JAY

Meal

W. Brode & Co.

Established 1875. Incorporated 1915. MEMPHIS, TENN.

Our Brand on the Tag

DUROC JERSEYS E. D. HEYDENBERK, Wayland, Mich.

DUROCS spring boars. A few gilts bred for Sopt. farrow at bargain prices, W. C. TAYLOR, Milan, Mich

Big Type Chester Whites, Ohoice, stretchy spring tor Sept. litters. These hogs are big and will fatten at any age. Grand champion blood lines of the breed, Wildwood Prince Jr., Rajah, and Champion X. Ohoiers immune. Satisfaction guaranteed.

N. L. HILL JR. Mackinaw, Tazewell Co. III

CHESTERS two good fall gilts bred to a boar of Wildwood Prince Jr. breeding for Sept. farrow; spring pigs. F. W. ALEXANDER, Vassar, Mich.

O. I. C.'s Booking orders for spring pigs, we register free and ship C.O.D.
A. J. BARKER & SON, Belmont. Mich.

O. I. C's Eight young boars and spring pigs CLOVER LEAF STUCK FARM, Monroe, Mich.

O. I. C's A few choice late fall and winter WEBER BROS., R. No. 2, Royal Oak, Mich. O. I. C's. 5tlast fall boars and 15 last fall gilts bred for fall farrow. Weight 230 to 235 lbs. extra good stock. Also this spring's pigs not akin. ½ mile west of depot. Oitizens phone 124. Otto B. Schulze, Nashville, Mich.

Sales Mgr.

Poland China Special

Boar pigs sired by Monster Big Bob and from our best sows, priced right for immediate shipment. Big-boned, strong-backed, smooth fellows from popular blood lines. Write for information or visit the farm. BOONE-HILL CO., Blanchard, Mich

MILLER Meadow's L. T. P. C. boars all sold. Gilts Msired by General Jones and bred to our young boar Alaska, address CLYDE WEAVER, Ceresco, Mich

FOR SALE Registered Big type Poland China glits bred for Sept. far-row, weighing 225 lbs. for \$60, spring pigs all sold, guar-antee satisfaction. DORUS HOVER, Akron, Mich.

L. S. P. C.

One 400 lb. sow and 7 pigs by side, price \$100.00. One 275 lb. gift and 6 pigs by side, price \$85.00. Two choice boars. H.O. SWARTZ, Schoolcraft, Mich.

Big Type Poland Chinas

Our herd is representative of the best in Big Types. Choice boars for sale now. Wesley Hile, R. 6, Ionia, Mich.

Bred Sow Sale at Fairgrounds August 5th. Carey U. Edmonds, Hastings, Mich.

Big Type P. C. Bredgilts, Fall yearlings, prize win-ners, out 1100 lb. sire and mammoth sows from Iowa's greatest herds. E.J. Mathewson, Burr Oak, Mich.

Big Bob Mastodon pigs takes the cake, book your order now. Fall boars and gilts sired by a grandson of Disher Giant, open or bred to Big Bob for Sept. 23 yearling sons. O. E.GARNANT, Eaton Rapids, Mich

Big Type Poland Chinas with quality, at re-of both sex, and bred sows and gilts. G. A. BAUMGARDNER, R.2. Middleville, Mich.

Big Tipe Polands all sold out. Watch this ad for further announcements. Breeding stock for sale in season. L. L. CHAMBERLAIN, Marcellus, Mich.

Tam offering Large Type Poland China Sows, bred to F's Orange, at reasonable prices; also fall pigs. Write or Call Clyde Fisher, St. Louis, Mich. R.R.3.

Lindhurst Poland Chinas Stock for sale at all times. Public Sale Oct. 23. WM. H. LIND, Alto, Mich.

POLAND CHINAS W. J. HAGELSHAW, Augusta, Mich

LARGE TYPE P.C. SWINE. One yearling boar, fall pigs, a few more bred sows. B. W. Mills, Saline, Mich.

L eonards B. T. P.C. See exhibit at Mich. State Fair, get your name on mailing list for public sale Oct. 28. Double immune. E. R. Leonard, St. Louis, Mich. R. 3,

B. T. Poland China pigs ready for shipment sired by Orange Buster. White Points Chub. Joseph L. Hickey, sales mgr., R.S. Vermontville, Mich.

Large Type Poland Chinas nothing for sale at present. Spring pigs doing fine.
A. A. FELDKAMP, R. 2, Manchester, Mich.

Choice Spring boars, popular breeding. Booking orders for fall pigs. All stock Cholera Immuned and guaranteed Breeders. Satisfaction guaranteed,

STEUBEN'S HAMPSHIRE FARM Angola, Ind.

Edgewood Hampshires
All bred gilts sold. Now booking orders for gilts bred
for fall farrow, and pigs for pig club work only.
Depew Head, Edgewood Farm, Marion, Ohio,

Hampshires get your boar pigs, now a few bred gilts John W. SYNDER, R. 4, St. Johns, Mich.

YORKSHIRES BRED GILTS

Packard Rd. WATERMAN & WATERMAN Ann Arbor, Mich.

HORSES

For Sale or Trade

We are closing out our registered Percherons, and offer for sale or trade for anything I can use one registered stud colt three year old also all yearling from ton sire and 1900 b. dams.

J. C. BUTLER,
Portland, Mich.

Percheron Stallions and mares at reasonable prices; inspection invited.

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

SHEEP.

Put Your Faith

in better breeding stock. For the best in Shrop-shire and Hampshire Rams write or visit KOPE. KON FARMS, S. L. Wing, Propr. Coldwater, Mich. See our exhibit at the Ohio and Mich. State Fairs.

Hillcrest Shropshires A nice lot of Ewes and Rams of all ages our flock is headed by McKerrow 3164 a son of Senator Bibby write or call on R. J. & C. A. WILLIAMS, Middleville, Mich.

SHROPSHIRES Yearling and Lamb rams

sired by Imp. Berry No. 163 for sale. Also a few ewes. ARTHUR DODDS, Lapeer, Michigan Shropshires Am offering one choice two year ram and a few good yearlings.
C. J. THOMPSON. Rockford, Mich.

Shropshires sire imported Minton Ram Lambs \$20, some ewes, 2 yearling rams.

DAN BOOHER, R. 4, Evart, Mich.

Want a Sheep? Let American Hampshire Sheep booklet with list of breeders. Write COMFORT A. TYLER, 22 Woodland Ave. Detroit, Mich.

Wool-Mutten Shropshire Rams. Good strong in-bred, priced right. A. H. FOSTER, Allegan, Mich.

Cotswolds yearling rams, ram lambs, Cotswolds ewes all ages sired by Cana-Cana-Garans. A. M. BORTEL, Britton, Mich.

Reg. Oxford Rams ready to ship at \$30, dellvered. J. Robert Hicks, St. Johns, Mich.



GRAIN QUOTATIONS

August 25, 1920.

Wheat.

Wheat. farme

Detroit.—Cash No. 1 red \$2.58; December \$2.35; March \$2.34; No. 1 white
and No. 1 mixed \$2.56.
Chicago.—No. 2 red \$2.46@2.47½;
No. 2 hard \$2.44@2.49½ December
\$2.32¾; March \$2.31.

Corn.
Detroit.—Cash No. 2 mixed \$1.65.

Detroit.—Cash No. 2 mixed \$1.65; No. 2 yellow \$1.70.— Chicago.—No. 2 mixed \$1.59½@1.67; No. 2 yellow \$1.64½. Oats.

Detroit.—Cash No. 2 white old 90c; No. 3 white old 89c; No. 4 white old 88c; No. 2 white old 88c; No. 2 white new 75c.
Chicago.—No. 2 white 69½@70½c; No. 3 white 67@70c.

Foreign demand for cash wheat has not been active, but exporters are taking liberal quantities to apply on old sales and the market has become more steady. The big rush of winter wheat is over apparently. In parts of Texas and Oklahoma the competition between mills and exporters has resulted in the former being able to secure very limmills and exporters has resulted in the former being able to secure very limited stocks, hence the past week brought reports that mills had suddenly advanced their prices three to five cents over those bid by exporters. There is plenty of wheat this season, but there is a scarcity of actual grain to fill export sales, the car situation to fill export sales, the car situation being a factor. The visible supply is only about 20,000,000 bushels yet exports are about 30,000,000 bushels of wheat and flour per month. There is no reason why a producer cannot sell his wheat at \$2 or better at any loading point in the west or southwest. Spring wheat from the new crop is commencing to move in fair volume, and the new has gone to a big discount under the old. Flour prices have dropped in sympathy with spring wheat.

CORN

Highly beneficial rains have fallen in parts of Kansas, Nebraska, Iowa, Illinois and Missouri and Ohio and talk Illinois and Missouri and Ohio and talk of drought from these states is less noticeable. Some sections now have sufficient moisture to carry the crop to maturity. A little damage has been done in all sections as the result of the recent dry weather, but it is hard to see how the final yield will be reduced below 3,000,000,000 bushels. Losses suffered in Illinois will be more than made up by his crops in Iowa and Nemade up by big crops in Iowa and Ne-braska to say nothing of South Dakota and Minnesota. Owing to the lateness of the crop safety first dictates that sufficient seed be saved from the 1919 crop to provide strong seed for 1921 planting. Official reports indicate that there will be much soft grain this season regardless of future weather conditions. The average date of killing frost is about October 15 to 25 through the center of the corn belt, but about once in five years it comes much

Harvesting is progressing rapidly ada. Threshing is practically finished in many sections in the central west, and much new wheat and oats have already been moved. Receipts of wheat er; sheep and common lambs steady. northwest and is now so far this season have been decidedly below expectations. How much this is due to the transportation situation and how much to the holding tendency on the part of producers cannot be determined, but undoubtedly the general be-lief among farmers that prices will ul-timately be higher has induced those who can hold their grain to do so. The Hogs.

Hogs.

Hogs.

Estimated today are 18,000; who can hold their grain to do so. The crest of the demand for money to move the crops has been reached apparently, and while money may not draw a lower interest rate it will be slightly easier to secure, In some sections banks will not loan freely to country elevators, @15; medium 200 to 250 lbs medium, calves \$20.50.

Estimated receipts today are 18,000; holdover 12,097. Market 10@25c lower; light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently, light off least; packing sows and heaving the crops has been reached apparently.

BUFFALO

Landenburger, Williamston, Mich.

Bugs has a \$15.50[6.5] lands at \$15.50[6.5] lands at

000 bushels during the last six years, but during the 1920-1921 season these may drop to 20,000,000 or 25,000,000 bushels.

RYE

Beans.

Detroit.—Immediate and prompt at \$6.10 per cwt.
Chicago.—Hand-picked choice fancy \$6.50@7.
New York.—Choice pea \$7.75.
Rye.
Detroit.—Cash No. 2 \$2.02.
Chicago.—Cash No. 2 \$1.99.
Seeds.
Detroit.—Prime red clover, spot, October \$18; December \$18.25; alsike at \$17.50; timothy \$4.25.
Toledo.—Prime cash \$18.50; October \$19; December \$18.80; alsike \$18.25; timothy \$4.

WHEAT
Foreign demand for cash wheat has recently are surprisingly large.

RYE

If a liberal amount of cash rye could be secured there would be considerable export business in rye flour. Rye exports the past year at 37,000,000 bushels are a record. Germany and Sweden have taken considerable wheat and rye of late. Financial conditions in Europe as well as the political reports must be closely watched. It can be stated authoritatively that there is no surplus of wheat or rye in Germany this season, and liberal imports will be necessary. When it is considered that a German mark is worth only two cents against a normal value of 23.5 cents the amounts of grain taken recently are surprisingly large.

FEEDS

Prices of mill feeds have rebounded from the low levels reached two weeks ago. Purchases by consumers are not brisk but a heavier demand is expected right along. Mills are increasing their output and it is possible that supplies will increase more rapidly than the demand. Still lower levels are considered probable by well informed men in the trade, but most of the price reduc-

A belief that producers would hold for higher prices resulted in a stronger undertone in oats. A little export business has been done with the continent and with Cuba, although Argentine oats have been selling at around 85c c. i. f. Liverpool or about 20 to 25c under those from the United States. Our oats exports have averaged 85,000, 000 bushels during the last six years, but during the 1920-1921 season these ing price last year. The market was lower the past week. Toledo quoting cash prime red clover at \$17.70 and timothy at \$4.20 per bushel.

HAY

The coming freight rate increase has been especially stimulating to buyers of hay and prices have advanced. Reduction of buying as this influence passes may cause a setback although passes may cause a setback although the shortage of cars will check any decided slump from the present level. The government's report indicates a crop, both wild and tame, well above the five-year average. With a decrease in numbers of live stock on farms the supply for the year looks ample. Detroit prices per ton in carlots are: No. 1 timothy \$35@36; standard \$34@35; light mixed \$34@35; mixed \$31@32; No. 1 clover \$30@31; rye straw \$13.50@14.

BUTTER

Butter markets have been steady the past week with a slight upward trend due to shortage and continued good demand, especially for fine butter. The close was firm. Only grades above 90 are actually short and lower grades have gone to storage. The total receipts for the season are under last year but at present the arrivals and movement into storage are at a higher rate than last year. Market observers noted an improvement in quality late ed probable by well informed men in the trade, but most of the price reduction has taken place already. Quotations per ton in carlots in 100-lb. bags for August 20 were as follows:

Milwaukee.—Bran \$44.50@45.50 per in the week which was thought to be ton; standard middlings \$54.50@55.50; the beginning of a general improvement in the entire make, due to the

but this does not seem to be general. Inseed oil meal \$64@65; cottonseed of harvest, allowing more time for not loan pressure should be exerted by farmers' organizations. Cars promise to be somewhat more plentiful for a time.

OATS

A belief that producers would hold for higher prices resulted in a stronger undertone in oats. A little export business has been done with the continuous large and exports were large. The bureau of markets estimates that retail sales and exports were large. The same and the rush of harvest, allowing more time for dairy work. Two cargoes of Danish arrived and another left Copenhagen, the total of the three cargoes being 1,050,888 pounds. Prices on August 21 as quoted by the U. S. Bureau of Markets on 92 score butter were: Chicago 55c; New York 56c; Boston 57c; Philadelphia 57½c.

EGGS

Slight advances were made in egg prices the past week with live poultry prices showing little change. Receipts prices showing little change. Receipts of both at principal markets are running well below those of last year, but cold storage holdings of eggs are as large as at this time a year ago. Cold storage holdings of frozen poultry are only about half as large as a year ago. Quotations upon eggs were as follows: Chicago—Extras 55@56c; firsts 46@47c; miscellaneous firsts 44@46c. Detroit—No. 1 fresh rehandled 47½c; storage packed extras 48½@49c.

CHEESE

Wisconsin cheese created more in-terest than usual last week as com-pared with New York state goods and pared with New York state goods and considerable quantities moved in a jobbing way. Undergrades and skin cheese found some outlet at Chicago and Boston, especially good No. 2 cheese. No special criticism on quality was reported from any of the markets. Receipts at the four markets were a trifle heavier than last week, but with the storing of the lots showing exceptional quality, dealers at all points have no large surplus and therefore are not pushing sales. Quotations are as follows: Philadelphia—Flats 27@28c; twins 26¾@27½c; single daisies 26½@27½c; Longhorns 27@27½c per pound.

POTATOES

The big slump in potato prices has checked the movement to some extent and resulted in firmer prices toward the close of last week, especially at eastern points, but the new movement is still nearly up to normal. Recent rains are expected to increase yield. Operators complain bitterly of the unsatisfactory car service. Prices were as follows: Chicago—Virginia barreled cobblers \$4@4.50 per bbl; Minnesota Early Ohios \$2.35@2.50 per cwt. Detroit—Virginia No. 1 \$5@5.50 per barrel.

PEACHES.

The market is holding generally steady on Midwestern Elbertas. A few are coming from Michigan but the Elberta season is not expected to start for about two weeks.

WOOL

The awakening of the wool market is still postponed, the only news of consequence being that more mills have closed. The reopening of some of them during September is still fore-casted. The financing of western grow-ers is a sore point, the federal aid plan ers is a sore point, the federal aid plan being less generous in the amount of the advance and time to run than private banks, according to some growers. However, the government's willingness to give aid probably reassured bankers. Consignees to the National Wool Warehouse, Chicago, will receive warehouse receipts good for collateral for loans at banks. Not enough business is being done anywhere to establish quotations. It is reported from the offices of the Michigan State Farm Bureau that bids for wool aggregating 500,000 pounds at prices ranging from 35@67½c have been made. Loans made by farmers on wool warehouse receipts aggregate only \$17,000 and the number of farmers availing themselves of this privilege is 273.

DETROIT CITY MARKET

Supplies ample in most lines and prices easy. Apples \$1.75@2 for fancy; others from \$1.50 down; cabbage 40@50c per bushel; corn around 20c per dozen; peaches \$3.50@4.50 per bushel; plums \$3.50@4.50; potatoes \$1.75@2; tomatoes \$2.264 tomatoes \$2@4.

Live Stock Market Service

7.25@ 8.25 5.00@ 5.25 4.00@ 4.50 7.50@ 8.00 6.00@ 7.00 Best cows
Butcher cows
Cutters
Canners
Choice bulls
Bologna bulls
Stock bulls
Feeders 5.50@ 5.75 9.00@10.00 8.00@ 9.00 75@ 140 Veal Calves.

Cattle.

Estimated receipts today are 9,000. Good beef and butcher cattle 10@25c higher; others and veal calves steady to strong. Beef steers medium and heavy weight 1100 lbs up choice and prime \$16.50@17.60; do medium and good \$12.50@16.50; do common \$10@12; light weight 1100 lbs down good and choice \$14.75@17.25; do common and medium \$9@14.50; butcher cattle heifers, common, medium, good and choice \$6@15; cows, common, medium, good and choice \$5.75@12.75; bulls, bologna and beef \$5@11.50; canners and cutters, cows and heifers \$4@6; do canner steers \$4.50@7.50; veal calves light and handyweight, medium, good mixed light and handyweight, medium, good and choice \$14.50@16; feeder steers 13.00 \$7.50@12.25; stocker steers common, 15.50 medium, good and choice at 13.00 \$7.50@12.25; stocker steers common, 15.50 medium, good and choice \$5.50@10.75; stocker cows and heifers common, medium and choice \$5.50@10.75; 12.50@12.75 stocker cows and heifers, common, me8.00@10.00 dium, good and choice \$5@9.

Sheep and Lambs.

Estimated receipts today are 24,000.

ing ewes full mouths to yearlings \$6@ 11; yearling wethers medium; good and choice \$11.75@13.

FARMERS!

Remember you have this year an opportunity for the first time in many years to vote for a real farmer for the nomination for Governor. Lieutenant Governor Luren D. Dickinson, as is well known, is the only farmer candidate living on a farm among all the candidates on all the tickets. As Representative, Senator or Lieutenant Governor, no larmer has criticised his loyalty to your interests.

AMERICAN LEGION

Remember Lieutenant Governor Dickin-

Remember Lieutenant Governor Dickin-son was the official who started the move to give the veterans decent pay for their services. Services.
TEMPERANCE VOTERS

TEMPERANCE VOTERS

Remember Mr. Dickinson has for years been Michigan's dry leader and four years ago he turned down the governorship to make Michigan dry. The wets have started the fight to again legalize the liquor traffic and Mr. Dickinson, is the man needed now to guard the temporance interests.

MEN AND WOMEN

who want clean politics remember that Mr. Dickinson, at the risk of his political future, alone and single handed, in the interest of purer politics, condemned the sale of nominations for office and demanded a fair deal for the poor but capable candidate.

When you go to the primary, remember you have not seen a criticism by the farmer, the laborer, the business man or any good citizen of Mr. Dickinson's loyalty, sincerity, honesty, ability or courage in conducting the affairs of the offices he has held. You take no risk in voting for him at the primary for Governor.

CHARLES HOFFNER,

Master of Eaton County Pomona Grange,
Chairman Dickinson Farmer Committee

—Advertisement

-Advertisement





New York Chicago San Francisco

SEED WHEAT

Selections of pure seed of Fuitz and Poole varieties for starting high-grade seed crops. We have a limited quantity of very fine seed. Booklet. Samples.

O. C. Shepard Co. Box 62, Medina, O.

Mr. POULTRY FARMER: We make a specialty of White Hennery Eggs and have created a profitable market for your eggs the year around. We pay the highest premium for your Hennery Whites—We remit same day shipments arrive. Ship Often—Ship by Express

GEO. R. ELDRIDGE CO.
494-18th Street, Detroit, Mich.
aber! We guarantee you satisfaction with every shipment

POULTRY

Fowler's Buff Rocks. We are now booking or-cockerels left. R. B. FOWLER. Hartford, Mich.

LOOK! CHICKS \$14 A 100 UP! By insured parcel post, postage paid. 40 breeds chicks, 4 breeds ducks. Aug. and Sept. chicks for February and March layers. Catalog free, stamps appreciated NABOB HATCHERIES, GAMBLER, OHIO

R.C. Brown Leghorn C'k'rls

S. C. W. Leghorns Large stock, great layers. Choice hens. Some pullets. Very reasonable. V. A. MORSE, Ionia, Mich.

Single Comb White Leghorns Cockerels from our exhibition matings April hatched \$3 50 each. Four fine cock birds \$5,00 each. SUNNYBROOK POULTRY FARM, Hillsdale, Mich.

Pullets and Cockerels Order now for fall delivery. Anconas, Leg-horns, Minorcas, Reds, Rocks, Wyandottes. CRESCENT EGG COMPANY, Michigan.

Rhode Island Whites Are the best all purpose Birds being year round layers, Egg and chicks and a few good males.
H. H. JUMP, Jackson, Michigan, CHECK ON THE HOG MARKET.

HE hog market continues to billow along without getting far up or n. Packers assert that hog slaughdown. Fackers assert that nog staughter is losing them money but are ready to purchase on all breaks. They are equally averse to bullish tactics. This was a week of short supplies although eastern points had more than usual, some of them registering sharp declines. Absence of orders at Chicago for eastern shipment prevented the market from going higher and also was responsible for bringing the bacon and packing grades closer together. Average weight is running higher than last age weight is running nigher than last year and old sows are coming fat, denoting that the country is willing to feed corn. The demand for feeder hogs is liberal, many buying along with feeder cattle. The downward trend which is certain to show itself in the hog market inside of six or eight weeks when the new corn of his pies begins when the new crop of big pigs begins to show up will work against such purchasers. An early frost damaging the corn crop, would vindicate them.

HAVE LIVE MUTTONS REACHED BOTTOM?

FROM an average Chicago price of above \$20 in the latter part of Feb-ruary to below \$13 in August, about ruary to below \$13 in August, about \$5 of the loss occurring since the middle of May, is recent lamb market history. The decline has been so extreme that a reaction is in order and toward the close of last week the market steadied, inciting inquiry as to whether the slump had been arrested. The wool market has not yet revived, the frozen lamb imports are not yet consumed and more may come at any time. sumed and more may come at any time but wholesale lamb prices are now in line with other meats although they declined still further last week.

DEMAND FOR GOOD HORSES.

HORSE market operators emit their usual claims that the market is rotten, but good ones are selling well. Rugged drafters are going to logging camps, the south is after high-class light weights and cities are buying necky wagon horses. Industrial condi-tions, the inactivity in lumber opera-tions and the break in cotton prices are factors in the market but there are buyers for all the good ones. Inferior sorts are not wanted at any price. The quotations are: Chicago—Choice heavy drafters \$250@300; common to good drafters \$150@250; expressers \$150@200; farm mares \$125@165.

FREIGHT RATES DEFLATED.

DURING the war and for a year and a half thereafter ocean freight rates were higher than the proverbial cat's back. Recently these rates have been on the toboggan and are now said to be only thirty per cent as large as they were in early spring. Such changes cut both ways so far as farmers are concerned, as they make

it easier to sell wheat and pork prod-ucts abroad but their benefits in this way are overshadowed by the increase in competition they bring to growers of other products. Producers of corn, beef, wool and hides in South America, and frozen lamb and wool in Australia will find it easier henceforth to compete in our markets. Since such rates are internationalized other countries exporting wheat are helped the same as the American wheat grower. The net result to American farmers, particu-larly those who produce corn, beef and mutton, is a big loss of advantage. The ocean freight on corn from Argentina ocean freight on corn from Argentina to our seaboard last spring was about fifty cents a bushel; now it is about fourteen cents, or still practically twice as large as pre-war times. Argentina has a big crop just harvested. Just now little of it is coming to the United States, but the drop in freight rates is opening the way. Some of it rates is opening the way. Some of it sold at \$1.35 delivered at New York each. White Pekin ducks \$2.00 each.
Mrs. Claudia Betts, Hillsdale, Mich.

City last week and more was offered at the same figure. Our crop is big Silver Laced Golden and White Wyandotteeges from best quality only \$1.75 per 15, \$3.25 per 30 by prepaid parcels post. C. W. Browning. R.2. Portland, Mich. factor in holding down the price.

STOCKER DEMAND GROWS.

A N advance of about one dollar in stocker and feeder values was the result of a sudden spurt in stocker and feeder buying which manifested itself at all the principal markets. Easier money was said to have something to do with it, although that is doubtful. The prospect of a bumper tomage of corn, a goodly fraction of which is almost certain to be soft, and a desire to avoid paying the freight rate increase were probably more potent factors. Kansas City reports about as many cows as steers going out.

Do You Know How Much Your Milk Will Bring Per 100 Pounds of Grain Ration?

If you receive only \$2.50 a hundred for your milk and the good BUFFALO CORN GLUTEN FEED grain mixture you feed costs you four dollars or less a hundred pounds - you are getting \$7.50 to \$10 worth of milk per 100 lbs. of the Buffalo Corn Gluten Feed mixture fed to good milkers.

In some sections, June milk ranged as high as \$3.83 per hundred. At this price, a seventyfive-dollar ton of good BUFFALO CORN GLUTEN FEED grain mixture, properly fed with good roughage to good cows, produces \$225 to \$300 worth of milk-6,000 to 8,000 lbs.

> Good feeding of good cows always pays. The better the feeding, the better the pay.

But good feeding cannot be done without good feed. BUFFALO CORN GLUTEN FEED is the feed-the highprotein concentrate—that makes the profitable milk yield.

Your dealer should have BUFFALO CORN GLUTEN FEED. If he does not, write us, giving his name.

Corn Products Refining Co.

BUFFALO GLUTEN FEED



Write to

National Starch Co., 606 Ford Bldg., Detroit, Mich.



SaveYour Lambs

At this season thousands of lambs die every year in the State of Michigan from the ravages of worms. Entire pastures become infected. The only way, to prevent this is to kill the larvae as soon as they develop in the sheep's stomach and before they become large enough to migrate to other portions of the sheep's anatomy.

BIG FOUR STOCK SALT contains four of the best worm expellers known to medical science. Try it at our risk.

15 pound pails \$1.75 40 pound pails \$3.50 100 pound kegs \$7.00



We prepay the freight on 100 lb. kegs only.
Other sizes may be sent C. O. D. by parcel post or express.

We are headquarters for salt of all grades for the farm trade and want a dealer or agent in

Eastman Salt Products Co. Saginaw, Mich.

HAY Ship to The Old Reliable House Daniel Mc Caff ey's Sons, 623-625 Wabash Bldg.. Pittsburg. Pa.

For Best Net Results Ship to

CULOTTA & JULL Detroit, Mich.

"Enough Said!"

We have a good demand for fancy fresh eggs and will payyou 37c per dozen, delivered Detroit, cases included for express shipments strictly new laid eggs shipped direct by farmers. Old, stale or broken eggs will be settled for at what they are worth. This price good for week ending Separator 4th, 1920. AMERICAN BUTTER & CHEESE COMPANY, Detroit, Mich.

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F have specialized in a tire for small cars—The Fisk Red-Top. It is pre-eminently a tire designed for hard service under all conditions.

Its success is due primarily to two things: extra size and extra strength.

For size, compare it with any other tire on the market. As an instance, you will find the Fisk Red-Top 30x3½ is larger than the so-called standardized oversize tires.

To get the extra strength an extra ply of fabric is built into the Fisk Red-Top. The tread is also extra heavy. This means both side walls and tread stand up under the most severe usage.

In every section of the country

small car owners are getting from Red-Top Tires greater mileage, greater ease in riding and with the least attention of any tire that is made.

The Fisk Red-Top Tire in its present construction was put on the market early in 1918. It was not offered to our trade until we felt sure that our facilities for production would be equal to the demand—yet the demand was so great that for fifteen months after we were unable to catch up with orders.

With our present greatly enlarged equipment, however, we are now ready to supply Fisk Red-Tops promptly. You will find wonderful satisfaction in this tire especially designed for your small car.

Next time—BUY FISK from your dealer



Like all Fisk Tires, Fisk Red-Tops are backed by the Fisk Ideal, "to be the best concern in the world to work for, and the squarest concern in existence to do business with."