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The Michigan Farmer

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CURRENT COMMENT

Sugar Beet

NUMBER TWENTY

large class of Michigan farmers who sugar. are located in the sugar beet sections nouncement by the Michigan Sugar the company issued a statement to gates would be called together on De- to make an additional settlement on a State Farm Bureau on October 19, as ticipated in by delegates representing success of republican candidates for is reported in our issue of October 30. as nearly as possible the growers in all congress was not wholly an expression This committee met last week and de- districts in which the company oper- of party preference. It was more truly cided on the call of the county dele- ates and by representatives of the an expression of Americanism and

State Farm Bureau are cooperating in majority of the growers, and express-people for the safeguarding of Americal clares that the new administration in can Farm Bureau Federation is con- in a harmonious working agreement tively-Bureaus have asked that the American past few years. Farm Bureau Federation call a na-Farm Bureau Federation, has indicat- pound would be worth \$4.20 per ton many months hence. But while the ed that a national conference in De- and ranging up to twenty-two per cent desirability of early action seems apcember is a likely plan.

other states will be of interest to the fifteen per cent beets with sugar at solution, and months spent in their Michigan beet growers. To this end nine cents per pound would be worth careful consideration are preferable to the Michigan Farmer has secured data \$12 per ton under this contract. This premature and ill-considered action, on the contracts in force this year in plan is claimed to be best adapted to which may cause still greater delay

ers is that made by the People's Sugar beets grown in different sections of forms of contract, a flat rate contract. This contract data, together with tory or receiving stations, testing not the disposal of the Michigan Sugar less than twelve per cent sugar con- Beet committee. These contracts are, stock. It has been a long time since less than twelve per cent sugar con- beet committee. These considerably the margin between the quotations on THE Turkish government addresses tent, and a sliding scale contract pro- as a general proposition, considerably the margin between the quotations on THE Turkish government addresses tent, and a sliding scale contract pro- as a general proposition, considerably the margin between the quotations on THE Turkish government addresses tent, and a sliding scale contract pro- as a general proposition, considerably the margin between the quotations on THE Turkish government addresses tent, and a sliding scale contract pro- as a general proposition, considerably the margin between the quotations on THE Turkish government addresses tent, and a sliding scale contract pro- as a general proposition, considerably the margin between the quotations on the proposition of the propositio

eleven cents. The growers originally contracted about one-half on each plan, these contracts with the Michigan con- several months ago. practically all of them did.

The Amalgmated Sugar Company, of been approved. Utah, offered a flat rate contract proing scale should be based on twelve- the farm bureau which is in close handsome profit over what the marcent sugar for \$12 beets, with \$1:00 touch with prospective as well as pres- kets pay for meat animals. increase in the price of sugar.

DETROIT, NOVEMBER 13, 1920 made a contract providing for the pay- an important one, should be to conment of \$12 per ton for twelve per vince the manufacturers of the wisdom cent beets, with an optional contract of conferring with the committee, in Idaho providing for an additional which the western manufacturers have development payment of seventy-five cents per ton not only been willing, but in some casand approval of for each one per cent increase in sug- es anxious to do, as above noted. There an equitable sugar ar content above 15.5 per cent, and is no doubt that an equitable arrangebeet contract for next with a sliding scale provision based ment could be arrived at in Michigan year's production is on eleven-cent sugar for \$12 beets, as well as in other producing fields if one of the most im- with the usual increase in the price of Michigan growers and manufacturers portant problems now confronting a beets for a higher average price of are willing to cooperate to that end,

The Great Western Sugar Company, of the state. That substantial progress of Colorado, wrote a flat rate contract toward this desirable end is now being providing for the payment of \$12 per made is indicated by a recent an- ton for twelve per cent beets. Later Beet Committee that the county dele- beet growers declaring their intention cember 15. This committee of five sliding scale basis, providing the total vital international question growing of two white men and one negro.

tional meeting of representatives of beets were made on a new basis, which our form of party government makes sugar beet growers to consider a uni- is a sliding scale depending both on for constructive statesmanship when form contract for 1921. President Bur- the percentage of sugar in the beets divided power results in political bickton, of the Utah Farm Bureau, has call- and on the market price received for ering. The responsibilities of the new ed attention to a wide variation, both the refined sugar. This price basis administration will be great, and in in the form of contract and prices paid has been developed in a chart starting the present emergency there is a genfor beets in the various states, and with twelve per cent beets, which with eral expression of regret that they can-President Howard, of the American sugar at four and a half cents per not be assumed at once instead of powers for aid in the critical military beets, which with sugar at twelve parent, great problems need the most of northwestern Canada has started a In this connection a knowledge of cents per pound would be worth \$23.47 careful consideration on the part of the provisions of contracts in use in per ton. As an intermediate example, those who carry the burden of their that region, California conditions owing to the in their ultimate solution. The most favorable contract to grow- great variation in sugar content of

A comparison of the provisions of slump in pure-bred beef cattle started but in order to meet the desires of tract in effect this year should con-

with the Weber County Farm Bureau, conditions which promised a good uses scrubs. a modification of this contract was price for beets under the contract ofagreed upon, which provided that in fered, their efforts to secure a better a goodly amount of feed on our farms case the beets averaged fourteen and contract were not successful. But the to carry this stock along to a time a half per cent or better in sugar con- growers should not feel that the move- when the advantages of pure-bred anitent a sliding scale based on eleven- ment was a failure on this account, as mals will be more generally appreciatcent sugar became operative, and if important concessions along other ed and as a result of a wider demand, the average sugar content was below lines were secured as a result of the prices for the well-bred stock in all fourteen and a half per cent the slid- movement. With the cooperation of probability will be sufficient to pay a per ton added for each cent per pound ent beet growers, a constructive campaign for an equitable contract should The Utah-Idaho Sugar Company be more successful. One result, and ment of \$12 per ton for twelve per vince the manufacturers of the wisdom as Michigan growers undoubtedly are.

> The Voice of the People

THE result of the November elections leaves no uncertainty regarding public opinion in the United States on the

of representatives of twenty-six coun- amount. In this statement the com- vote for the successful candidates for ties held at the office of the Michigan pany also proposed a conference par- executive positions and the general In the meantime, while the Michigan ing in devising a basis of payment for and file of American citizens. It voiced Beet Growers' Association and the beets which would be satisfactory to a a demand on the part of the American the making of plans for the sale of ed the belief that such a conference can interests in our relations with for-Michigan's 1921 beet crop, the Ameri- entered into in good faith might result eign powers, either singly or collec-

sidering action of this nature on a na- and the avoidance of the unfortunate It is fortunate that this expression tional scale. The Utah and Idaho Farm controversies which have occurred the was so unanimous as to leave the burdens of readjustment wholly up to the In southern California contracts for dominant party, which condition under

Replace

The economy resulting from the use growers after the contracts were sign- vince any farmer that there is decided of a better type of stock has not changed the company permitted those who room for improvement in the latter. ed. The more efficient use of feeds is had contracted on the flat rate to Hence no contracts should be signed argument enough to warrant good change to the sliding scale, which by either present or prospective grow- farmers in replacing nondescript aniers until a satisfactory contract has mals with the pure-bred kind. No matter how unprofitable market conditions Last year the beet growers' organi- may be temporarily, the man who viding for the payment of \$12 per ton zation was hampered by the fact that keeps a commercial herd will find it for beets of not less than twelve per many contracts had been signed before easier to hold the cost of production cent sugar content and eighty per cent their fight for better conditions were down near the market price when he purity. At a conference held last April under way. Due to this fact, and to uses good live stock than when he

Not only this, but just now there is

News of the Week

Wednesday, November 3.

of the 531 votes in the electoral college. The republicans will have a margin of 150 votes in the house and a majority of twenty-two in the senate. tire republican ticket was elected in Michigan.—The alien land law is adopted by the electorate of California. The public utilities commission of Michigan grants increased rates to the telephone companies outside the De-

Thursday, November 4.

HE prohibition vote in Scotland results in a defeat for the drys, although a substantial gain is noted in the number of dry adherents.—Election riots in Florida resulted in the death growers was appointed at a conference production reached a certain fixed out of the war. The overwhelming executive officers of the British min-of representatives of twenty-six coun-amount. In this statement the com-vote for the successful candidates for ers' federation declare the coal strike ended and advise the men to resume work.—Dr. Zayas, coalition candidate is elected president of Cuba.

Friday, November 5.

HE first German ship to enter the gates for December 15 as above noted. company for the purpose of cooperat- American ideals as held by the rank rives.—Russian bolshevik forces are unsuccessfully attacking the line held by General Wrangel to the south of Perekop.—President-elect Harding detends that the nation shall play its part in a new international association founded on peace and justice.—According to an official statement the Prussian government has paid ex-Emperor William over \$25,000,000 since he field to Holland. he fled to Holland.

Saturday, November 6.

A N agreement has been reached by Great Britain, France and Italy, in which they will undertake to support one another in maintaining their one another in maintaining their spheres of influence in Turkey.—The Dutch government proposes the reduc-tion of Holland's army by nearly one-half.—General Wrangel sends an urgent appeal to France and other allied situation confronting him in southern Russia.—The discovery of oil at Fort Norman in the Mackenzie river basin spectacular rush of oil prospectors to

Sunday, November 7.

CLASH between troops under the command of D'Annunzio at Flume and the Serbs is reported from Rome. -The inter-state commerce commission is seeking devices for the preven-THIS appears to be periments now being conducted.—Gention of railway wrecks, extensive exa most opportune eral Wrangel's military operations are time to get rid of now confined to the Crimean peninsuproviding for the payment of \$13.50 other data bearing on the general sugper ton for all beets delivered at factories are beet situation, has been placed at Now the constant to make the miners in an effect of the contract them with pure-bred fort to settle their differences.

ton for beets testing not less than than are the Michigan contracts. Unprices received at public auctions of twelve per cent sugar content, based der them the grower is obligated to pure-bred stock was so narrow. Sales on eleven-cent sugar in the New York furnish all the labor. The factories of pure-bred cattle and hogs particuted treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty are on a much lower price level than a year ago. At some recent sales an additional payment at the rate of the seed at seventy-five cents per acre. of dairy cattle a decrease in the price decided to withdraw her troops from the Chentao area along the Korean-manning than average price of sugar above treat to furnish labor to the growers.

The provided to pure-bred stock was so narrow. Sales the provided to pure-bred stock was so narrow. Sales the provided treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitration treaty is signed between Sweden and treaty by Turkey.—An arbitrat in the average price of sugar above tract to furnish labor to the growers. as much as fifty per cent, while the the new Mexican government.

American Farm Bureau Scores

Leaving the Land Tax Bill and the One on Sales Prostrate on the Field-By C. Gregory

Ralston-Nolan Bill, with its billion dol- ard convinced most of the delegates, Ralston-Nolan bill. lar tax on farm land, has been so far however, that a one per cent tax on leagues. The same thing is true of the er's profits are already so small that embody the principle of the single tax 000,000. of which would have to be borne by farmers. The taxation committee of the National Industrial Conference Board-representing the business and manufacturing interests of the United States-in its tentative report condemns both these forms of taxation as unsound. At the second national industrial tax conference at New York City October 22-23, while final action on the committee's report was not taken-the friends of the Nolan and sales taxes made-so poor a showing that they did not get to first base.

American Farm Bureau Federation in the Game.

Not only has it opened the way to defeat these forms of taxation and save farmers billions of dollars, but it has also put itself in a position where the big business interests of the country know it and respect its powers, the consumer, who in the majority of dations is striving to remedy. It would resent agriculture.

At first McKenzie was almost alone

revise the federal tax laws has At the conference last week the ad- be abandoned. been won by the American Farm vocates of a sales tax made a strong

proposed tax of one per cent on sales he cannot stand this additional tax. in its most exaggerated form, but it

HE first game in the series to sweepingly condemned the sales tax. sales taxers and advised that this plan and that losses in business income in one year be deducted from the tax for The committee was even more the succeeding year. The loss from Bureau Federation. As a result, the fight to save it. McKenzie and How-sweeping in its condemnation of the these sources will be \$280,000,000, or a total loss of \$1,180,000,000. This will "A wide-spread propaganda has been be partially offset by an increase in out-played that in all probability it will sales of farm products cannot be pass- organized in support of this bill," says freight and passenger taxes of \$148,fail to hold a position in the minor ed on to the buyer, and that the farm- the report. "Not only does this bill 000,000, leaving a net loss of \$1,032,-

Government expenses for 1921 are of all commodities, both wholesale and Furthermore, this tax is not economi- would also operate to very substan- estimated at \$4,859,890,327. While the retail-a tax which would raise billions cally sound, in that ninety-five per cent tially aggravate the very conditions committee feels that material decreasof dollars revenue, a large proportion of the burden of the tax is passed to which the committee in its recommen- es can be made in the cost of running the government it does not believe that there should be any decrease in the total amount of taxes collected. The government has a floating debt, consisting of short-time loan and tax certificates, of \$2,347,791,000. This should be paid as soon as possible. There are outstanding \$600,000,000 worth of war savings stamps which mature January 1, 1923, and \$4,241,-128,295 worth of victory notes which mature May 20, 1923. In order to meet these obligations, at least partially, the committee feels that the annual surplus of revenue over expenses should be at least a billion dollars.

To offset the loss of revenue from the repeal of the excess property tax and the reductions referred to in the income tax it recommends the schedule of tax increases published on this page and new taxes, which should add \$1,293,500,000 to the federal income.

While this report is only tentative, and will not be formally acted upon by the national industrial conference for several weeks, it shows the way the lines are being laid for tax revision. Farmers have won a great victory in securing the condemnation of the sales tax and the Nolan bill by the conferzie to the taxation committee to rep- such a tax would be a bad thing for bill is also generally recognized as of ence. They can no doubt endorse most of the proposed new taxes, although the wisdom of a federal tax on auto-"The arguments against the sales The committee recommends the re- mobiles and gasoline is very doubtful. in the fight against the sales tax. But tax are unanswerable," said Prof. Sel- peal of the excess profits tax, which The farmer uses his automobile and his arguments and those of taxation igman. "It violates the fundamental will reduce estimated revenues for burns gasoline mainly for business purexperts who came to his aid, were so principle of taxation in proportion to 1921 by \$900,000,000. It also recomposes, and the proposed tax will be a convincing that the committee chang- ability to pay." Otto Kahn, New York mends that surtax on reinvested in tax on two necessary factors in food

FEDERAL TAX SUGGESTIONS 1. Increase in corporation tax to 16 per cent.....\$550,000,000 Quadruple stamp tax rates 134,000,000 Increase first-class postage rate to three cents.. 72,000,000 Increase cigarette tax from \$3 to \$5 per M.... 70,000,000 Increase tobacco rates from 18 to 24 cents lb.. 8,000,000 Increase to 10 per cent rates on musical instruments, candy, chewing gum, and other so-called luxuries, except automobiles, trucks and accessories 70,000,000 Increase tax on perfumes, cosmetics, etc..... 6,500,000 Special license tax of 50 cents per H. P. on all Gasoline, one cent per gallon 45,000,000 Sugar, two cents per pound 200,000,000 Coffee, two cents per pound 28,000,000 12. Tea, 10 cents per pound 10,000,000

other industries than agriculture.

Credit for this splendid piece of work cases is the man of small means, while in many cases mean a tax so large upbelongs largely to President J. R. How- the wealthy classes would bear a pro- on property which is not in a form ard and to H. C. McKenzie, of New portion far below their just ability to available for use in its payment that York. At President Howard's insist- pay. Their arguments were endorsed such property would have to be sacrience, the business interests recognized by Charles A. Andrews of the Gorton ficed at forced sale in order to realize for the first time the importance of Pew Fisheries Company, Prof. Thos. cash with which to pay the tax. In agriculture as one of the nation's R. Adams, of Yale, and Prof. Seligman, this respect it would tend to bear esgreatest industries, and added McKen- of Columbia, who also maintained that pecially heavily upon agriculture. The the most dubious constitutionality."

ed front entirely, and in its report banker, also deserted the ranks of the comes be limited to twenty per cent, production.

Should We Buy Feeds Now? Get Mr. Sosland's Viewpoint HE word is being passed around the has been heard in feed markets re- prepared articles. The full extent of ducts will cause the consuming trade

and cold weather has arrived. Few mixed feeds and other commercially es for the meat animals and dairy proobservers of feed trade conditions disagree with the "bulls" so far as demand is concerned, yet they can produce arguments which make the feeder question seriously the probability of the usual rise in prices with the advent of cold weather over the country. It is true that there are many influences strongly against rising prices this winter and the following spring which were not felt at this time a year ago or in previous years. On the other hand, feed prices are already comparatively low.

Downward revision of prices-for cattle, hogs and sheep and the depression through which the dairy industry is passing are powerful influences in the market for feedstuffs. Within the past month hogs have declined more than three dollars per hundredweight, cattle about two dollars and sheep and lambs about one dollar. Naturally, the reduced returns from meat animals on stock yards cut down the value of the

to "buy feeds, they're cheap garding the shutdown of many dairy the reduced earning power of the to economize in purchases of feeds to Those who are friend- plants in the east and at some points dairymen of the east and other sec- the extent that the usual broadening ly to the idea of accumulating feed- in the central states, yet the resulting tions of the country is yet to be wit- in demand may not develop this year. stuffs now base their views upon the shrinkage in the outlet for the prod-nessed on markets. The claim is made enlargement in demand usually wit ucts of the dairy cow is being felt by by some observers of the feedstuffs nessed late in the fall after pastures a sharp reduction in the demand for situation, and there is, no doubt, basis which the price reflector of the in many sections have been abandoned bran, alfalfa and clover hay, alfalfa for the belief, that the decline in pric-feed market cycle has moved down-

feedstuffs to the consuming trade. Lit- Mrs. Marshall Decides She Would Like a Look at Her Farm from the Air. oats have been carried below their in-

ward. Corn, and oats as well, have declined more radically than other feedstuffs and have approached more closely their pre-war levels than any commodity used in the rations of meat animal producers or dairymen. Carlot offerings of corn on markets of the middle west are selling around eighty to eighty-five cents per bushel, which with a range of seventy-five to eighty-five cents prevailing in August of 1914, when the world was plunged into war, Oats are bringing between fifty and fifty-five cents on current, markets, while in the month preceding the opening of the world war values were around thirty-five to fifty cents a bushel. Corn at eighty cents and oats around fifty-five cents appear ridiculously low compared with \$2.00 and \$1.25, respectively, as the prices prevailing at the opening of the summer season. And there are a great many students of the trade whose operations indicate a belief that both corn and

trinsic value, at least in a comparison Louis and Chicago, less than half the their stocks, which they usually do in around \$40 a ton. Many claim that is with commodities generally.

lessened returns from fattening hogs markets. for market also will tend to reduce consumption on farms and thus permit expected. The statement has been have hardly exceeded that total. And many seasons. made and given some consideration on the prospects are not particularly enmarkets, that farmers will substitute couraging for any sharp increase in corn for fuel, owing to the high cost the activity of milling plants, owing cottonseed cake and meal are wonder- stock of linseed feed, owing to a lack of fuel and disappointing prices offer- to an extremely light domestic demand ing whether the time has approached of demand, and the outlook for prices ed for the grain.

the past month bran and shorts have the loss of established trade. played a conspicuous and probably sig-

However, there is nothing of a bull- summer, the market has rallied about will be felt in prices later in the year, use the seed for fertilizer. But this is ish character in the outlook for corn \$4.00 a ton. Kansas City and Minne- and strengthens the view that a sharp not to be given serious consideration, and oats. Farmers now are gathering apolis, the leading milling centers, setback in prices will not occur from for demand for cake and meal even on the greatest corn crop in history, quote the mill offal around \$20 to \$30 the present basis. 3.216,192,000 bushels, which fact alone a ton for prompt or December shipis a powerful argument against advanc- ment, and sales as high as \$34 a ton not to the extent of bran, the enormous Both exporters and fertilizer manufacing prices for the coarse grain. The are being made on other middle west crop of corn wielding greater pressure turers are buying on a small scale. The

Millfeeds Are Firmer.

Extreme bullishness on the corn quantities to foreigners in competition in the past two weeks demand for the Feeders should buy linseed feed sparremain below a dollar a bushel the en- nection, however, much importance is view of the almost stagnant trade with feeding value of the two commodities. tire crop year. This statement is made attached to the recent decision of the range and feedlot cattle owners and despite knowledge of the fact that the United States Shipping Board in re-dairymen the last two or three months, and other varieties of hay was carried corn crop is the largest in history, ducing the differential in ocean freight is looked upon as a bullish movement, to the extent that prices fell considerthat the aggregate of other feed crops rates on flour over wheat from twen- And, with the improved demand, pric- ably under a cost of production basis. also is a near record this year, that ty-five cents to five cents per hundred- es have rallied slightly, but the mar- Because of the exorbitant freight meat animals are on the decline and weight. Millers have contended that ket is still sharply lower, or at the charges, many shippers have been forcthat deflation continues in progress, the discriminatory ocean freight rates lowest level since the entrance of the ed to dig into their pockets to meet And along the same lines, close observ- resulted in an enormous movement of United States into the war. Prime some of the costs of loading their hay ers of the grain trade agree that oats raw wheat and an insignificant amount cake and meal of forty-three per cent for markets which the selling price will sell closer to seventy-five than to of flour, thus checking operations of protein content is quoted around \$37 failed to cover. This has naturally fifty cents a bushel in the middle west domestic plants and reducing the sup- to \$38 a ton, basis Texas plants, and reduced sharply the movement from markets. Prospective buyers of corn ply of bran and shorts for herds in this around \$45 a ton in the feeding terri- the west and, with the extremely light and oats will do well to begin now the country. The export outlook is now tory, possibly as high as \$50 a ton in arrivals, the trade reflects a firmer accumulation of their requirements of therefore more encouraging, but it will the more northern sections. At one tone. But alfalfa and tame hay are In the radical depression in prices of portant sales can be made, owing to down to \$35 a ton, a full decline of feeds, at least the better grades, and

the mill offals reflect a stronger tone and shorts in consumptive channels imately as in Texas and Oklahoma. than has prevailed at any time since are extremely light. Instead of accum-

peak reached in the early part of the the early fall months. This, no doubt, they do not obtain this figure they will

nals, but this may be offset in a meas- the country, which forced an increas- with St. Louis also quoting at \$38 and not so much in evidence. ure by comparatively lower prices for ed demand from the consuming trade. in extreme instances up to \$40 a ton. corn than for hogs. In such an event, Another important factor in the im- Brown shorts or standard middlings feeding would be stimulated, proved tone of the bran market is the are almost stagnant, selling at a bran was declining sharply, linseed called Corn already is selling at a level extremely light production of flour price. Shorts are feeling the effect of and meal was displaying firmness. amounting to hardly more than a cent and feed by mills. In both the spring the depression in hogs. A spread of Now, with the strengthening in cota bushel net to farmers, and even less and winter wheat sections of the Unit- more than \$5.00 a ton between bran tonseed cake and meal, linseed feed in many sections, and only where forc- ed States, flour millers are operating and shorts will probably not prevail begins to undergo greater pressure. ed by maturing loans, lack of storage at an average of less than fifty per for any lengthy period, the outlook be- Compared with prices above \$60 a ton, for holding or pressure of a similar na- cent of normal capacity; in fact, thus ing favorable for a narrower difference basis Minneapolis, a month ago, and ture, can free selling of the grain be far on the crop operations as a whole between the two mill offals than in above \$70 early in the summer, the

Cottonseed Feeds.

probably be some months before im- time during the month the market was yet too high, compared with other about \$10 a ton compared with the declines, though not sharp, may be ex-In addition to the small production early part of October. Southeastern pected. Still, colder weather is stimnificant part. At the present writing of feed by mills, the stocks of bran markets are on the same basis approx-ulating demand from feeders and there

the readjustment got under way in ulating large supplies in warehouses to which is restricting operations of the markets, which is increasing orders. July, and majority sentiment of the be merchandised during the winter and crushing plants, is checking bearish. The stocks of hay in the country are trade inclines to the opinion that the spring months, when demand is usu-ness in the cake and meal market, of enormous proportions, so fear as to low point of prices for the remainder ally in excess of mill production, job- Prices paid for seed recently have av- future supplies is not well founded. of the winter at least has been reach- bers this year hold little if any feed, eraged around \$22 to \$28 a ton in the Hay prices range up to \$25 a ton in ed. From a low point of around \$25 They have been short of money, and, southwestern states, and below \$30 in Kansas City, with the cheaper grades to \$26 a ton in Minneapolis and Kan- because of the very erratic course of practically the entire cotton belt, while down to \$10 a ton. Chicago quotes sas City, and \$28 to \$29 a ton in St. prices, have been reluctant to build up producers as a rule are demanding timothy around a top of \$32 a ton.

the basis of present sales is not suffi-Shorts also have strengthened, but cient to absorb the offerings of mills. on the heavier offal than on the dairy trade is not anticipating further matewheat feed. Gray shorts or flour mid- rial upturns in cake and meal, owing The upturn in millfeed was brought dlings are bringing up to \$38 a ton in largely to the low price of corn and of a freer flow of the grain to termi- about by the colder temperatures over Minneapolis and \$35 in Kansas City, other feeds, yet bearish sentiment is

Stocks of Linseed Accumulating.

During the time that cottonseed feed market has receded to around \$54 a ton, basis the northwestern crushing Cattle feeders and other buyers of point. Crushers are accumulating a for flour and inability to work large to turn from the bear side. Only with- is still favorable to a lower market. market is not advisable, but I am in- with domestic wheat and the flour of high protein feed from feeders has ingly. It is far above a parity with clined to the belief that corn will not other exporting nations. In this con- shown marked improvement, which, in corn, even considering the relative

Depression in the market for alfalfa is some concern among prospective Slow selling of seed by planters, buyers as to the available supply on

Potato Meeting and Show

meeting and show of the Michigan sale in close touch with those who with us in making up this show. wish to buy. It should be stated in If you can send to the college sam- stand up better than most varieties Week. This is no small undertaking this connection that in the very near ples of these potatoes, we would be under adverse conditions. Such dis- and we need the cooperation and asfuture a list will be published of all of glad to have you do so. If this is not eases as mosiac, and leaf roll will re- sistance of many of the best potato the growers whose fields of potatoes possible, we would be glad to have duce the value of certain varieties in growers of the state to work out this have been certified this season. Any you send us the results of demonstra- some of the other states and the fact plan. We will be pleased to hear from one interested can secure this list by tions and perhaps we can work out that the Petoskey is quite resistant to individuals who anticipate attending

tion, East Lansing, Michigan,

By C. W. Waid, Vegetable Specialist, M. A. C.

organization of potato growers of the various demonstrations which have potato show." state at the time of Farmers' Week, been conducted the last year or two in One of the important matters of bus-January 31 to February 4, 1921, at the Michigan. Most of these demonstraness which will be considered in con-Michigan Agricultural College. It is tions have been carried on under the nection with the annual meeting will and place them on the market to best not proposed to follow the beaten path auspices of the college. Some have be the best method of carrying for advantage is no small undertaking. It of some other potato organizations and been the results of the activity of the ward the work of certified seed pota- requires a great deal of careful planhave the show simply one of exhibit soil improvement committee at Chica- toes which was started in Michigan ning and a considerable amount of moning high quality samples of potatoes. go, and a few of other commercial in- this last season. There is a growing ey to handle the work properly. If this While shows of this nature have their terests. We will aim in this connec-demand outside the state as well as work is to develop rapidly as the need place there is an opportunity to accom- tion to make it easy for everyone to within for the Late Petoskey or Rus- increases for certified seed of this vaplish results by putting on what may see at a glance the benefit of superior set Rural potato for seed purposes, riety, particularly, we must have a be called an educational show. One seed, proper use of commercial fertil- Last season a carload was sent to comprehensive, practical plan of not feature of this potato show will be the izer, seed treatment, etc. We believe Pennsylvania and the results were so only carrying on the inspection work showing of samples of potatoes in that it will be a show well worth satisfactory that a larger quantity will but of selling the seed as well. bushel lots taken from the fields which while. We would be pleased to have be sent to that state this season. It have been certified the past season, anyone who has secured good results is quite apparent that the Petoskey is interested in this phase of the work This will serve as a means of bringing from any practices which is not gen- variety is one which does well through- to arrange to be present if possible at the men who have seed potatoes for erally followed in Michigan, to join out a wide territory and under varying the annual meeting which will be held

Another important feature of the ed to the horticultural Department, M. territory than heretofore. It is possi- Michigan.

ble for the Michigan growers to get in line to furnish seed to those outside Potato Producers' Association, an show will be graphic illustrations of A. C., East Lansing, and marked "for states at a fair increase in prices over prices received for table stock. To certify seed potatoes on a large scale

We invite every potato grower who conditions. It is a variety which will at East Lansing during Farmers' writing H. C. Moore, secretary of the some plan of putting them on in con-mosiac, and apparently not as subject this meeting. Write to the secretary Michigan Potato Producers' Associa- nection with the show. Any potatoes to leaf roll as some varieties has caus- of the Michigan Potato Producers' Assent to the college should be address- ed the planting of it over a much wider sociation, H. C. Moore, East Lansing,

Our Farm Bureaus and Their Work

In a Reconnoiter of Grand Traverse County our Raw Recruit Finds a Territory of Wonderfully Diversified Agricultural Resources

HILE the Circuit Rider was duces more cherries than any other ing orchard of cherries is the least of Association had its inception in the pedition into the Grand Traverse regmilk separating, wood sawing, and even the family washing is done, in many cases, by mechanical power; where the farm crops and live stock are transported to market by truck; and where the farmer and his family make their weekly shopping and church-going trips and occasional pleasure excursions in an automobile.

But the Raw Recruit was "motored" in a six-cylinder over roads the equal of any in southern Michigan; over hills covered with forests of fruit trees; through valleys dotted with modern farm homes, where live stock is housed in up-to-date barns; past innumerable silvery lakes that would delight the heart of any fishing fan; over bridges spanning trout streams, where it was necessary for the driver to hold the Raw Recruit in the car until the stream was lost from view; and along the shores of beautiful bays dotted with the summer homes of thousands that are able to escape, for a part of each year, from the dust and rieties. While this is considered a have been displaced by cherries. There only \$1.85, a difference of fifty-one and trade.

TRAVERSE CITY, the commercial Traverse City.

gan's choicest farms, teeming with were sold to the canning plants at herds of Holsteins and Jerseys, fields Traverse City and Northport. The A MONG the pioneer growers on the vented from realizing the prices justion alfalfa, wheat, and beans, big red fruit was unusually large in size, which A peninsula are E. O. Ladd, the fied by the demand. barns with silos attached, farm homes compensated in large measure for the Tompkins', and the Lardies. In the electrically lighted and electrically lighter setting of fruit. The prevailing beginning the peninsula orchards were young fruit grower, a former student swept; farms where the plow, harrow, price paid by local shippers was seven mainly apples and peaches. Occasional of Wisconsin University, had a vision seeder, mower, and binder is pulled by and eight cents per pound, or \$1.75 to severe winters demonstrated that that this difficulty could be overcome a tractor; where the threshing, silage \$2.00 per crate, with a slightly higher peach growing was a precarious ven- and personally canvassed a portion of

Potatoes Are a Leading Cash Crop.

at the mouth of Boardman River. It tively rapid. It began on the penin- around \$3.00 per crate, returns of two from the beginning. Being a man of is healthful, beautiful and admirably sula, a narrow strip of land ranging thousand dollars per acre were real- exceptional organizing ability and, belocated. It is one of the objective from one to four miles in width and ized from some of the best blocks of ing imbued with the soundness of the points of western Michigan tourists. extending twenty miles north from the trees; and fifteen crates is not an exprinciple of collective bargaining and It is on the west Michigan Pike, Pere main part of Grand Traverse county, cessive yield for a mature tree in heal- other cooperative activities, has suc-Marquette, Grand Rapids & Indiana, dividing Grand Traverse Bay into two thy condition. Like all crops grown on ceeded in building up a strong organiand Manistee & Northeastern Rail- arms, known as East Bay and West an extensive commercial scale, the zation of over five hundred members. roads. It has good hotels, a hospitable Bay. Being practically surrounded by problem of successful marketing the The selling of the 1920 crop was affectpopulation, and is surrounded by de- water, the peninsula has the necessary cherry crop has proved to be no easy ed through the Michigan Potato Growlightful resorts and camping places, and peculiar climatic conditions for task in recent years. But necessity ers' Exchange and the American Fruit fine farms, magnificent orchards of producing the high-grade of cherries being the mother of invention, a sell-Exchange. choice fruits of all kinds, and some of for which this region is noted. When ing plan has been evolved that is provthe finest scenery to be found in the account is taken of the fact that the ing to be practical and highly satisfac. A. J. Rogers, of Beulah, and the secreincome per acre is greatest, and the tory to the growers.

smoke of the great centers of industry good crop, it is not the largest on rec- are a number of large, fine apple or- cents per crate and a gain of twentyord, as over two hundred cars have chards which are well cared for and seven and a half per cent in favor of been shipped in a single season from which are profitable to their owners, the organization plan. but the cherry industry overshadows 1 center of the Grand Traverse region has been relation, is located on Grand Traverse Bay, dustry in this region has been relation, is located on Grand Traverse Bay, dustry in this region has been relation.

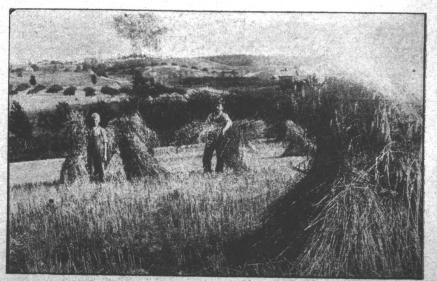
"flivvering" through the staid county in the United States; it is one any of tree fruits, it can readily be early summer of 1919. It had been and substantial counties of of the leading potato counties of Mich- deduced that this branch of the fruit customary for buyers to flock to the southern Michigan, a raw recruit was igan; and successfully and profitably growing industry is the most profit- Grand Traverse region early each year drafted to make a reconnoitering ex- produces any crop grown in Michigan. able. To its further credit may be ad- to buy the crops of individual growers. The shipments of cherries in 1920 ded the fact that its regularity of bear- Coming as they did before the volume ion, one of Michigan's choicest garden from Traverse City alone were one ing, freedom from diseases and insect of the crop could be determined, the spots, and one of America's finest scen- hundred and fifty-eight full carloads, pests, and hardiness are relatively prices offered were necessarily fixed ic sections. The Circuit Rider is prob. The local express shipments would greatest. All of these conditions have by the buyers at a figure low enough ably congratulating himself on being probably bring the total up to one hun- been conducive to the extraordinary to insure them against loss regardless permitted to continue his labors, of dred and seventy-five cars. In addi-development of cherry growing in this of the size and market value of the looking over some of southern Michi- tion to this, many thousands of crates region as compared with other fruits. crop. In years of normal or underproduction the growers were thus pre-

Mr. G. L. Burnham, an enterprising cutting, water pumping, feed grinding, price for some of the choice sweet va- ture, and the most of those orchards the cherry district, and secured the signatures of about one hundred growers. Each signer agreed to only accept bids for their joint crop of cherries and not to make individual contracts as had been done in the past. Buyers were invited to meet with this organization and to submit sealed bids. As a result, their 1919 crop of red sours was sold for \$3.11 per crate, to a Chicago concern, which, after paying fifty cents per crate for picking and twenty-five cents for the crate itself, netted the grower \$2.36 per crate. All other varieties were sold to a local shipper for \$3.00 per crate. Compared with this result, a local canning plant paid nine cents per pound and furnished the crates. As the cherries for its use could be pulled from the trees, instead of being clipped as is necessary when they are shipped, the cost of picking was reduced to forty cents. A sixteen-quart crate of cherries weighs twenty-five pounds, so that those contracted to the canning plant netted

The president of the Association is Grand Traverse county probably pro- cost of producing and caring for a bear- The Michigan State Cherry Growers' Traverse City. The executive committary-treasurer is Robert A. Wiley, of



On the J. C. Home Cherry Farm.



An Unusual Stand of Rosen Rye.

J. P. Houston, of Traverse City.

be formed. Accordingly the National leader. Association was launched with M. B. Goff, of Wiscon- Kingsley, is one of the leading agricul-

was found that County Agent Wiley been unusually successful. had been called to Lansing to assist the State Farm Bureau. During his Eugene Knight, of Kingsley; William threshing outfit for many years. While absence, the county agent work is being cared for by Dr. J. P. Houston, secretary-treasurer of the local farm bureau organization. The "handle" attached to his name was acquired through his medical training and thirty years' experience in the practice of medicine in Chicago. Five years ago the doctor concluded he needed a change, and being attracted by the possibilities of the Grand Traverse region, located on a small fruit farm on the peninsula, three and one-half miles from Traverse City. Notwithstanding his many years of professional service the genial doctor is still in the prime of life and extremely active. He has about fifteen hundred trees, a few of which are in full bearing, and a considerable portion just beginning to produce fruit. His orchard is largely made up of cherries, but he also has apples, peaches and pears. The doctor is also interested and active in all progressive, agricultural and community Selkirk, movements. He has given his time and influence to building up and developing the County Farm Bureau organization. Therefore, when we "dropped in" for the purpose of learning of the farm bers of the executive committee are: bureau work in this region, we found in the doctor a man conversant with what has been accomplished up to the

It would seem that the unusual organizing ability of County Agent Wiley efficient manner.

tee consists of E. H. Wilce, of Empire; of the older and most thrifty families He is a leader in all local community ures up to the standard of the commit-L. Hopkins, of Bear Lake, and Dr. in the Grand Traverse region. He is work, and his energy is so boundless tee as a whole, and fully competent to At the annual meeting, held at al College, and is developing a fine man dyname. Frankfort in May of this year, repre- farm near Acme which he has owned Eugene T. Knight is a resident of sentatives from the Wisconsin and for only a comparatively short time. Paradise township, of which he has New York cherry districts were pres- Everything about the farm is indicat- been supervisor. He has a good farm home in Garfield township. He is a ent. Several of the visitors addressed ive of the energy and prosperity of its of one hundred and sixty acres, and man of excellent character, and one the meeting, after which it was decid- owner. Several made mention of the leans heavily toward the stock raising who is intensely interested in all comed that a national organization should fortunate choice of so efficient a industry. He specializes in the production munity work of whatever nature. He

Vice-president E. A. Nickerson, of farming. Upon arriving at Traverse City, it of general farming in which he has the committee.

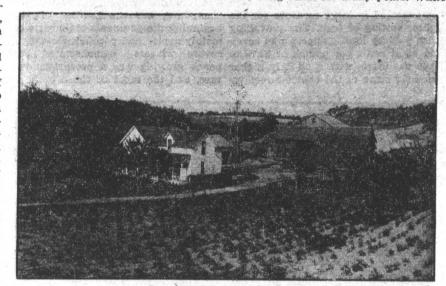
in handling the grain department of committee are: Peter Snyder and time threshers, having operated a

a graduate of the Michigan Agricultur- that he has been described as the hu- aid in the directing of County Farm

tion of beef cattle, and does general

sin, as president, and A. J. Rogers, of turists of Mayfield township. He has has a good farm in one of the most Beulah, as secretary-treasurer. The a well-improved farm of one hundred prosperous sections of the county. He club. He is also prominent in religperfecting of the national organization and sixty acres and a fine house. He is farming along the line of general will take place at its next meeting, is a highly respected citizen and has crop and breeding Poland China swine. ern Fair Association and of the Mutual which will probably be held in De- been supervisor of his township for He is an excellent farmer, and is high- Fire Insurance Company, and one of many years. He follows the practice ly regarded for his splendid work on

> Joseph Durga lives southwest of The six members of the executive Traverse City and is one of the old-



Farm Buildings of A. Rusch, Grand Traverse County.

of Williamsburg; chard, of Grawn; James Lardie, of Old business. Mission. The delegates to the State Farm Bureau, who are ex-officio mem- near Old Mission. He is a prosperous lost sight of any of its several lines of Robert Barney, of Traverse City, and E. G. Rawlings, Summit City.

PETER SNYDER is one of the largest farmers in the county. He opis well demonstrated by the develop- erates about three hundred acres of resenting the fruit interests of the made ment of the Cherry Growers' Associa- well-improved land in Mayfield town. county on the committee. tion, and the County Farm Bureau or ship. He is growing ninety-six acres ganization. The officers and members of potatoes this year, and his crop the best general farming sections of wealth of good farming lands, extenof the executive committee apparently promises to be a large one. Aside from the county. It is regretted that we sive cut-over tracts suitable for grazhave been selected with due care and being a large potato grower he raises were prevented from reaching that ing purposes, ideal topography, exposare carrying on the work in a most general crops and live stock. His neighborhood, and therefore are un- ure and soil for fruit growing, wonder-HE president is Ernest S. Lautner, electric lighting system. His farm further than to say that sweet clover telligent, industrious, thrifty, prosperof Acme. He is a young man of equipment includes tractors, truck and is one of his main crops. However, it ous, and home-loving people. Yes! exceptional ability and comes from one all kinds of modern farm machinery, is safe to be assumed that he meas-Grand Traverse county is indeed rich.

Joseph he has a small farm, his energies have Durga, Traverse City; Charles Blan- been chiefly devoted to the threshing

> fruit grower and has a well-located agriculture. His time has been devotsula. He is a man of good judgment, while there is much yet to be accomsterling qualities, and capable of rep- plished, a good beginning has been

buildings are large and in fine condi- able to describe Mr. Blanchard's sur- ful scenery, lakes, trout streams, and tion, and he is equipping them with an roundings, activities and qualifications resort sites, and above all, a highly in-

Bureau affairs.

Robert Barney, one of the state dellives in a very progressive community, and is a leader in a local, interesting, William Selkirk, of Williamsburg, and unique community organization known as the Lone Tree Farmers' the directors of the Traverse City State Bank.

> The other state delegate, E. G. Rawadise township. He has two farms, one of one hundred and sixty acres and one of eighty acres, where he practices general farming, in addition to which he specializes in potato growing. He also buys potatoes during the shipping season. On his fine farm he probably has the largest set of buildings in the township. His home has all of the modern conveniences, including a gas lighting system. His farming equipment is of the best, and includes a tractor. He is a director in the bank at Kingsley, and is rated as one of the most prosperous farmers in

One is deeply impressed with the high calibre of the officers and committee members of the Grand Traverse County Farm Bureau. County Agent Wiley's central idea, of thorough organization, with divided responsibilities, placed in the hands of competent men, seems to have been kept well in mind by the farm bureau when choosing its officers and committees. Grand Traverse county's interests are greatly diversified, and while Mr. Wiley has been in the county less James Lardie lives on the peninsula than two years, he has apparently not farm and fine home. His large apple ed alike to the fruit, potato, live stock orchard is one of the best on the penin and general farming interests; and

Grand Traverse county is rich. It Charles Blanchard represents one of has wonderful possibilities; it has a

Checking Up the Railroads

How \$300 Was Saved on a Single Shipment of Peaches

SINCE the creation of a traffic de- will pay for the actual cost of present- bushel under the price of peaches in destination of the peaches, one via partment by the State Farm Bureau ing the case. the call for service in solving the farm-

How the State Farm Bureau traffic ers', and cooperative organizations' department can help a County Farm an overcharge on a carload of these fruit association did not route this traffic problems has so steadily in Bureau is revealed in an interesting peaches that amounted to \$300. When shipment but turned it over to the railcreased that the time has come to add story from Chippewa county. The the car arrived at destination the road which, according to the law, a special man to the staff of that de- story, by the way, is an unusual exam- weight was designated by the railroad should ship on the route of the lowest partment to handle the adjustment of ple of cooperative marketing among as 39,600 pounds. The shippers had rate. The railroad did this, but through claims against railroads and the audit- farmers, as well as a tribute to the weighed these peaches and found they some mistake the \$1.58½ rate of the efficiency of the traffic department, weighed fifty pounds per basket. There Chicago route was charged. In a bus-The State Farm Bureau has sent out The Chippewa County Farm Bureau were four hundred and fifty baskets in iness as complex as that of railroads a notice to cooperative shippers that a became the medium for buying peach- the car, which made a total of 22,500 such mistakes frequently occur. The specialist in handling freight claims es when the farmers of that county pounds to the car. Ice necessary for traffic department secured for the and auditing bills will be hired in the wanted a supply of this fruit at a rea-preservation amounted to 9,500 pounds Chippewa county farmers the differnear future. The letter stated that no sonable price. The farm bureau pool-thus making a total weight of 32,000 ence in the rate. The total savings charge is made in the case of auditing ed their orders and made up two car- pounds. So there was an overcharge were about \$300. bills. When the traffic department loads and sent the order to the Ber- of 7,600 pounds. The matter of this finds it necessary to prosecute a case rien County Farm Bureau. The fruit overcharge was turned over to the against a railroad and the cooperative growers of Berrien county made a rea- traffic department of the State Farm are in the dairy, always falls short of association for which this service is sonable profit on their product, no Bureau which not only righted this what might have been accomplished rendered will have nothing to pay un-doubt, and the Chippewa county farm- mistake but discovered another. There had the development been started

the northern peninsula.

less it gets a refund, in which case it ers got their peaches three dollars a are two rates to Dafter, Michigan, the three years earlier.

Mackinaw City of \$1.281/2 and one via That is half of the story. There was Chicago of \$1.581/2. The Berrien county

The effort to develop cows after they

Tie That Binds Producers Together

Crop Contracts an Essential Feature of California Cooperation

By Herman Steen

(Copyright 1920, Standard Farm Papers, Inc.)

7 HEN a California farmer joins regard to the fundamental principles The prune and apricot contract con- any speculator who might interfere a cooperative marketing asso- of cooperation. ciation, he signs a contract his crop to any outside dealer.

in California. This applies not only specifically requiring the same thing, ers and public alike. to the giant institutions which market the oranges, raisins, and prunes, but also to the little fellows which handle simple contracts requiring the deliv- prunes and apricots produced by the agrees to pay to the association two a few carloads of alfalfa or the honey ery of all eggs produced and stating grower during 1922, 1923, 1924, 1925, cents per pound damages on prunes produced by a small district.

The leaders in California cooperation borrowed this idea from Denmark, where it was used by the bacon and butter selling societies. The Danish cooperators regarded it as a fundamental feature, because it kept their rivals from breaking up the societies by temporarily paying higher prices for the products of the members. The California cooperators have found the contract as essential to their success as did the Danes, and have worked out party is required to do. many improvements over the Danish

Solves Financial Difficulties.

the primary purpose of the crop agree- tested. ment, but it has also been found to be was perfected.

of cooperation in California reveals ever devised. the fact that the crop contract is an absolute essential to success in cooperative marketing. Today there is not a single cooperative association in existence in California which does not employ the crop contract. There may be some small, local organizations which do not require such contracts, but I was unable to find any trace of such, and farm leaders on the Pacific Coast were unable to name any. Of all the many cooperative associations which have failed, only two or three employed the crop contract. Those particular organizations failed, I am told, because their crop contracts were imperfect and could be evaded.

An Essential to Success.

Every leader of cooperative thought and action with whom I have talked recently when studying cooperative enterprises in the far west sought to impress upon me that the crop contract is the second great essential to success in cooperative marketing, the first being organization by commodity. Even the leaders of the two opposing schools of cooperative thought are in harmony on this question. I refer to Aaron Sapiro, of San Francisco, and G. Harold Powell, of Los Angeles, who have differed quite sharply at times in

which requires him to deliver all of tracts in use by the cooperative organ- to five thousand more, so space forbids his crop to the association. This con- izations. The California Almond Grow- printing it in full. The salient feature, of fruit to a relative, he shall be liable tract extends over a period of years, ers' Exchange, for example, had no however, may be reviewed as follows: for damages in case the fruit is sold and provides that the grower shall pay contract as such, but every member is -1. The grower agrees to help carry to an outside dealer. damages to the association if he sells required to sign the by-laws of the association recognizes crop This binding crop is one of the es- must sell all their almonds through elimination of speculation and waste, concerning them. sential features of every cooperative the organization. This, of course, has and the stabilization of prune and apmarketing association of consequence the same effect as a separate contract ricot markets in the interest of grow- between the association and growers

Different Kinds of Contracts.

one between the central exchange and else. the district exchanges, one between

on the other hand, guarantees a mini- fruit delivered to it, and to pay the ally sue for damages as much as it mum price to the growers of raisins, grower the average price received for does for fulfillment of contract. One It provides also that in case the land the grade he produced, minus the cost such case has recently been appealed Originally, the crop agreement was is sold the new owner must fulfill the of operating the association. The grow- to the supreme court of California, used only as a means of keeping the provisions of the contract. This latter er agrees to accept this amount as which has not yet announced a demembers of an association in line. It provision has been the source of con-payment in full. was regarded mostly in the light of siderable trouble, and many good law-

the key which unlocks the financial contract between association and grow- ment shall be made not later than July difficulties of cooperative associations. er is the new prune and apricot crop 1 for apricots and October 1 for Briefly stated, the crop agreements agreement, which will soon go into ef- prunes. give the association title to the prod- fect between the California Prune and year following delivery). uct when it is delivered, and this al- Apricot Growers' Inc., and its eight lows the association to borrow money thousand members. It was drawn by the prunes and apricots when and to pay advances to the growers. The Aaron Sapiro, attorney for the prune where it deems fit, under such condiassociation can then market the crop and apricot growers, and covers more tions as will serve the grower and the at the most favorable time, which it contingencies than any other contract public. could not do if the growers were con- used in California. Nothing is left to tinually demanding money from the verbal understanding and agreement— warehousing sale of their crops, as was the case be- everything is put down in black and stock, is to be retired by profits made market, which he never had had herefore this plan of contract and finance white, so that there is no possibility of in mechanical handling of the prunes. tofore. A commission man is often misunderstanding. It is regarded as 9. The grower is allowed to sell any

There are different kinds of con- and the membership agreement close by the association.

2. The association agrees to buy and The egg association likewise have the grower agrees to sell all of the by selling dried fruit to outsiders, he the damages that may be collected by and at the option of the association, or four cents per pound damages on the association in case of violation of during 1926, 1927 and 1928. (The pres- apricots, plus expense of collection.

citrus association) has three contracts, has not been contracted to anybody before he tries to break it.

associations, and one between the local case later than September 15 for apri- suit against growers for violation of associations and the producers of cit- cots and November 10 for prunes, and contract. In every single case, so far rus fruit. Each of these contracts spe- to abide by all rules of the association as I was able to learn, the association cifically sets forth the things that each in regard to grading, packing, deliv- has won and the growers were orderery, etc.

6. The association agrees to pay a safe-guarding an association's supply yers say that it would not be sustain- substantial advance to the grower at This, of course, is still ed in court, though it has never been the time the crop is delivered, and to the binding contract is the cornerstone distribute proceeds as rapidly as pos- of cooperation are thus summarized What is probably the most complete sible through the year, but final pay- by Attorney Sapiro. (These dates refer to the

7. The association is allowed to sell

corporation),

Even a casual study of the history the most perfect contract of the sort or all of his fruit to dealers or shippers and as often as not is secretly repreof fruit, provided he does not sell to

tains close to three thousand words with the sale of the dried fruit handled

10. If a grower transfers his orchard

sociation, which provide that members tion, which are cooperative marketing, mortgages if it is notified in advance

shall be substantially alike.

13. If a grower violates his contract contract by the producer. The Cali- ent contract includes the crop of 1921). This is what puts teeth into the confornia Fruit Growers' Exchange (the 3. The grower agrees that the crop tract, and makes a man think twice

Under the provisions of the damage 4. The grower agrees to deliver all clause, practically every cooperative the district exchanges and the local fruit as early as possible, but in no association in California has brought ed by the courts to fulfill their con-The contract of the raisin growers, 5. The association agrees to sell all tracts. The association does not usu-

Importance of the Contract.

Some of the important reasons why

1. It insures the association a definite acreage over a period of years, and from this the actual volume of business can be estimated quite closely. This stabilizes the association and permits it to operate to better advantage than would be possible otherwise.

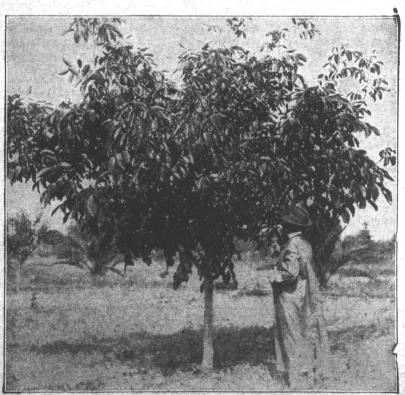
2. It puts the association in a strate-8. The association's subsidiary (the gic position on the market. It gives capital the farmer a representative on the worse than no representative at all, senting the man who buys from the

> 3. It eliminates competition in buying, and the association's business cannot be broken by speculators who are willing to pay high prices and lose money temporarily in order to accomplish that purpose.

> 4. It allows the association to put all of its efforts on efficient salesmanship, while the producer puts his efforts on efficient production. The man who is tempted by a cent a pound cannot seriously injure an association

> 5. It provides a means of securing credit, so that crops may be moved and first payments made before they are actually delivered. The fact that the association secures title to the crops when delivered allows it to borrow money and make first payments at that time. The contract has thus solved the financial question in cooperation to a large extent, for bankers lend money readily on the basis of the contracts.

> Practically all of the cooperative associations in California are increasing the percentage of crop controlled. The success of the associations in securing renewal of these ironclad contracts is assurance that the growers recognize the justice of the crop contract and the necessity for its use.



The Contract Provides that the Grower Shall Pay Damages if he Sells His Crop to an Outside Buyer.

Committee of Seventeen Meets

A Great Variety of Views on a National Marketing Scheme Were Given at the Chicago Meeting

meeting was to get before the commit-ing a higher price for the grains. tee the opinions of various men having knowledge of present methods of marketing grain and of men experienced of boards of trade, which he defined it in a cooperative company, which plus producing countries the price up-

feeling of profound respect for the size the cost of distribution through com- penalties of the Sherman and Clayton our leading grain crops are on a surof the task which has been imposed petition and through the development acts the organization must be purely plus basis. This surplus goes mostly any plan until it was absolutely sure tures. Discussing the benefits of deal- without capital stock and not formed by the extremely unsettled political and that a fund of \$50,000 would be this feature has not worked satisfac- the monopolistic tendency in the hu- in prices as they take place on boards tisticians to make a thorough study of resumption of trading in that cereal mining the amount of power which ply or demand, neither of which is the question. The next meeting of the on July 15. The trade has been com- would be placed in the hands of the definitely known, and individual opincommittee will be held on December paratively narrow and a large volume cooperative organization. He also stations of merchants upon these factors 13, at which time it will hear the re- of hedging orders, either for purchase ed that his study of cooperative organ- are constantly influenced by a great the various sub-committees appointed speculative operations to act as a bal- ers invariably failed to recognize the the opinions of many merchants as some time ago. Two representatives ance wheel, and the result was a de-danger of over-production as a result thus expressed a truer supply and deof the Cotton Growers' Association will cidedly fluctuating market. It was un- of a stimulating price until the over- mand price is obtained than through be asked to present results of their fortunate that the exchanges were re- production actually arrived. experience at that meeting. The com- opened shortly before the change in mittee hopes then to be able to formu- the public attitude, which has resulted Mr. E. E. Bayne, in discussing the may be ascribed to the decline in sterlate the basic principles along the lines in price declines in many commodities, work of the Canadian grain growers, ling exchange from \$3.90 to \$3.40 which of which its final plan will be drawn, was noticeable. His contention was stated that they had treated the prob- increased sharply the cost of our A legislative committee was also ap- that prices do not fluctuate because of lem at first as purely one of business wheat delivered abroad and to the unpointed to examine into the coopera- speculation, but that speculation is at- and economics, but at present they are justifiable policy of the leading foreign tive laws of the various states in the tracted by a fluctuating market and giving attention to its political aspect buyer which made heavy purchases in Union and to take the necessary steps their influence is to stabilize values as well. In marketing their 1919 crop April and May at a time when wheat to obtain favorable laws in all the relatively. Also the exchange trading of wheat Canadian growers virtually was comparatively scarce upon our states of the Union. The law under in futures provides an insurance fea- had a pooling system under which markets, thus causing the price to adwhich cooperative organizations oper-ture for handlers of grain by means of \$2.15 per bushel was paid to the grow-vance above its true level and having ate in New York state was considered which they are able to shift the risk er at the time of delivery of his grain, acquired considerable stocks by this

it Becomes Necessary.

benefits of the organization equally to because their plan of pro-rating divi- use the hedging facilities of grain ex. tions in the volume of hedging transacall its members. The committee also dends according to patronage would be changes. found that the California cooperative construed as a violation of the exassociations do not "fix prices." They change rules governing rebates. are simply efficient agencies to obtain are now compelled to accept prices be- available for the use of the committee cuss in a peculiarly enlightening way low cost of production, which indicates that they have not secured through their organization any immunity from fundamental economic law; but still were able to secure for their members more favorable prices than they could otherwise obtain. The committee commended the California cooperatives upon their plan of operating their selling concern as a mutual association for service on a cost basis, and the two-

Defends Boards of Trade.

a given commodity over some area ing freight. This margin was only tered into the export business.

HE "Committee of Seventeen" fold plan of a non-stock distributing before long, but that its conclusions the influences which affect world pricof the California Associated Raisin past. Growers it had stressed in its findings L. F. Gates stated that the benefits the maintenance of a democratic spirin the cooperative marketing of farm simply as organized markets, included means limitation of membership to on the crop was determined primarily the establishment of standard grades, growers only and each member to have by the price obtained for the surplus Evidently the committee was imbul honest weights, a means of financing one vote regardless of acreage owned, less the cost of reaching the export ed, as a result of the hearing, with a the moving of the crops, of reducing and that to avoid the limitations and market, and that this year all five of upon it, as it voted not to formulate of exchange trading or dealing in fu- cooperative, based on mutual help to Europe where prices are influenced that it had examined all the evidence ing in futures, Mr. Gates granted that for profit. Mr. Thompson stated that and economic conditions. Fluctuations raised to employ economists and sta-torily in the wheat market since the man soul must be recognized in deter- of trade are due to variations in supports of its investigators, and also of or for sale, met no heavy cushion of izations lead him to believe that grow-variety of sources; but that through

Canadian Plan Described.

of ownership and protect a merchan- He was also given a participation cer- means it has remained entirely out of Thinks Farmers will Stick Only when dising profit so that the trade tolls be- tificate which would have value in the American market since July 29. tween producer and consumer are case the market price justified a larger Mr. Barnes recommended the develop-Professor Nourse, of Iowa State Col- smaller than they otherwise would be. payment, and upon these thirty cents ment of the railroads through increaslege, presented the report of a sub- Mr. Gates stated that he had upon per bushel was paid some time ago ed car supply and the development of committee which made a study of the many occasions calculated the differ- and another eighteen cents has recent- the waterways, particularly the Great California marketing associations at ence between the price of corn at the ly been made available. The Canadian Lakes-St. Lawrence project as a means first hand. The conclusions of this loading point in Iowa and the price to wheat market was reopened for ex- of reducing the transportation cost committee were that no very strong, the retailers in New England and ex- change trading in July, since which which he believed would increase the permanent or extensive cooperative cluding freight, at least ninety per time the price has declined sharply price to the grower by at least five marketing organization is likely to be cent went to the producer and never and the farmers are dissatisfied with cents per bushel. He recommended built up unless economic necessity more than ten per cent to the handler; the open market, preferring instead that the growers through organization forces a great number of the farmers that in 1914 investigators found a dif- the pooling system. The United Grain should endeavor to obtain exact inforinto it; that no considerable result ference of only ten per cent between Growers maintain its own central mar- mation upon factors likely to determwould be achieved unless producers of Kansas and Liverpool, again disregard- ket organization and has recently en ine the price of their crops, which large enough to make a suitable eco- made possible through the opportunity usual handling charge in exporting through an agency in which he had nomic unit consolidate their common to shift ownerships by means of the grain, aside from freight, has been confidence, and which he might then interests to obtain the most efficient hedging feature which exchange trad- about six or seven cents per bushel, use as a basis for his individual judgdistribution of their product; that to ing provides. He believes that the but the actual cost to the United Grain ment in determining the time of marprovide the proper basis for financing chief critics of the exchanges are the Growers has been one and a quarter keting his grain. Also that growers and organizing the distributive work individuals, including grain handlers, cents, the remainder accruing as profit should seek a better understanding of of the association its members must who have failed to use its facilities, to the producer members. According the operations of the grain exchanges enter into a contract to deliver their but have speculated by retaining own- to Mr. Bayne the Canadian growers en- and seek to develop them and to elimproduct to it over a reasonable period ership and have suffered losses through tertain no idea of holding to obtain the inate their defects and abuses. As a of time, even though these may not be declines in market values. Mr. Gates cost of production, but to obtain the means of stabilizing prices his suggesfully enforcible at law; that settlement expressed uncertainty as to the will- supply and demand the price to heavy tion was the development of the feaon a pooling basis is necessary as a ingness of the members of the Chicago supply and demand the price without ture of future trading and the making means of averaging the results of the Board of Trade to admit a farmers' diminution by heavy handling charges. of contracts for delivery so liberal as joint action and of distributing the cooperative concern to its membership His organization finds it necessary to to time, place and grade that varia-

of the United States Grain Corpora- pool of individuals would dare seek to Mr. Thompson, of the federal trade tion, but at considerable length in jus. manipulate. In response to que the best prices that the consuming commission, stated that the report of tification of the present system of mar. he expressed the belief that cooperamarket affords. Several of the cooper- the commission, based upon its inves- keting grain. Because of his unique tion was highly desirable at the local ative associations on the Pacific Coast tigation of the grain trade, would be position Mr. Barnes was able to dis. elevators which constituted a natural

appointed from various farm or company with a stock corporation for and recommendations would be with es, the present obstructions to the norganizations to develop a plan for warehousing. The committee did not held until the commission had report mal operation of the laws of supply cooperative marketing of the na- believe that much could be accom- ed its findings to congress, by which it and demand, and the importance of the tion's grain held a three-day session at plished by aggressive salesmanship had been called upon to make its in- service to the farmer which the ex-Chicago last week. The purpose of the and advertising as a means of obtain- vestigation. In its recent examination changes have been rendering in the

How Prices Are Determined. Mr. Barnes pointed out that in sur-

any other means thus far devised. The recent decline of the wheat market The would be distributed to the grower tions would not tend to cause sharp Mr. Barnes talked briefly of the work fluctuations and that no individual or monopoly at most points but that in the field of centralized marketing it would be possible only to obtain the regular merchandising profit along with the risk of capital investment which grain handlers must undergo, and that the profits involved in the present trade tolls are much smaller than growers believe them to be. When asked what could be done to stimufate sales abroad, Mr. Barnes respond-

(Continued on page 619).



to season desires be the day of the same and the same



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Feed Grinding Power—and Goodyear Belts

Fletcher Gollmer is well known in the neighborhood of Warren, Illinois, for his successful methods of raising and fattening hogs and cattle on his 110-acre farm. He has farmed all his life, and as a specialist on diversified stock for the last seven years has given close attention to the value of good, ground feed.

He grinds a lot of corn about this time every year, just as other stock farmers do. Twenty cows and sixty hogs, fattening in a batch for market, require the grinding of fifty to seventy-five bushels of corn at a time, and justify investment in the best of grinding equipment. In this work, Mr. Gollmer puts full reliance on the transmission ability of the belt he uses between tractor and grinder.

His Goodyear Klingtite Belt demonstrates its inbuilt strength by the delivery of an even, full flow of power on the grinder drive, a duty recognized generally by experienced farmers as perhaps the severest test to which a farm belt is put. Its smoothly powerful action produces uniformly ground feed and at the same time protects engine and grinder from undue strain.

He gets the highest efficiency from his equipment, Mr. Gollmer says, when he anchors the tractor more securely than is the general practice, dropping the front wheels slightly to insure ample belt clearance over the front axle. His 50-foot, 6-inch, 4-ply Goodyear Klingtite Belt is hung crossed and without idler, from a 9-inch

paper drive pulley with 7-inch face to a 12-inch driven steel pulley with 6-inch face.

This belt needs no breaking in. From the first, it holds the pulleys in a friction-surface grip that prevents slippage, insures uninterrupted transmission of power, and enables the belt to be run loosely, with consequent advantage to the engine bearings. It requires no belt dressing.

Proof against cold and damp, Goodyear Klingtite Belts do not shrink or stretch. Therefore, there is no time lost in engine re-setting. Unstitched and of bonded-ply construction, they do not separate at the plies, but wear evenly and last much longer than other belts do. In every respect of operation and maintenance, they are economical, efficient and trouble free. Farmers who know the Goodyear Klingtite Belt say it is the best help on the farm.

We build these belts specifically for farm duty. They are carefully designed to the service required of them, and specially constructed to protect our good name. They come in endless types for threshing and in suitable lengths for all other purposes. Their important function in modern farm power operation is discussed interestingly in the Goodyear Farm Encyclopedia. Write for a copy to The Goodyear Tire & Rubber Company, Akron, Ohio, or Los Angeles, California.



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Our Washington Letter

By E. E. Reynolds

HE farmers' conference on cred-sought out by all such government tion's attorney, he advised that the bill its at the National Board of agencies as are available." journed and the delegates returned to corporation, and for government aid in their homes evidently convinced that reopening foreign markets, and financif a solution of their problems is reach- ing the same. ed they must work it out themselves, stop talking price decline and give us sort of personal rural credits legislaa chance to help ourselves. Our union tion will come before congress early officials interpret the resolutions you this winter. have just passed as authorizing a general holding movement on wheat and cotton, and possibly other products; THE department of agriculture and of public roads to the office of public works. only will get us anywhere."

they will not put into operation.

representative of the National Grange, to the treasury department, total \$226,-Dr. T. C. Atkeson, did not sign the 000,000, an increase of \$21,000,000 over committee's report, and has given his last year's estimates.

on what I believe to be incorrect diag- the industries of the country. near the cause, of what is taking place. mense military establishment. The price readjustment is an inevitations and of past experience, and then creased taxation.

Farm Organization's headquart- The recommendations of the com- as to the intentions and the extent of in Washington, after deliberating mittee called for revision of the bank- its application. and passing a set of resolutions, ad- ing laws, the revival of the war finance

regardless of government action. As American Farm Bureau Federation is ernment. Among the proposed changes one of their spokesmen said, "they will making a study of the McFadden rural attempt to put into effect a gigantic personal credits bill. Professor Ivan health, which will include the present holding movement on wheat and cot Wright and Dean Eugene Davenport, ton." President Charles S. Barrett, of of the Iiilnois University, are also the National Farmers' Union, declared working on the same bill, in cooperathat "the time has now come for ac- tion with the rural credits committee tion. Since government has failed us, of the National Society of Record Aswe now ask that government officials sociations. It is assured that some

certainly on wheat and cotton, for that have not heard of the slump in prices or lack of confidence in the belief that these changes might be desirable. The Whether this holding movement is lower prices for farm products will be the solution of the farmer's problem of effective in reducing the cost of living of greater service to commerce than price decline can best be told next in the cities. They are asking for to agriculture, and the work of road year after the plan has been given a large increases in salaries for workers building might properly be transferred tryout. Many regard it as being more in the departments. Secretary of Ag. to public works. The vast appropriapracticable than begging the govern-riculture Meredith is asking for upment to do something that the officials wards of \$10,000,000 more than last included in the agricultural appropriain power have said over and over again year's appropriation for the department of agriculture. Secretary of the The fifteen members of the "Next Interior John Barton Payne is making for the special benefit of the farmers Step" committee who drafted the res- an insistent demand for pay increases than it really is by many millions of olutions were not all of one mind. Rep. in his department aggregating mil-dollars. resentatives of the radical farmers' or. lions of dollars. Officials in the departganizations were not satisfied because ment now receiving \$5,000 would re-bassador, has agreed to deliver an adthe committee turned down their move ceive \$7,500, those receiving \$3,500 dress at the annual convention of the in favor of the Plum plan of govern- would receive. \$5,000, and so on American Farm Bureau Federation in ment operation of railroads and the through the long list of employes. The Indianapolis, during the week of Dealliance of the farmers with union la entire estimates for the interior de- cember 6. His subject will cover some bor organizations. The Washington partment, as sent by Secretary Payne phase of international agriculture.

"I told the committee that if this rean army of two million men. According to their state of minding to the plans of Secretary Baker

A sells B a piano, for which the latter gives three notes. B paid each note before due, taking a receipt, and A sent the notes later. port represented their state of mind ing to the plans of Secretary Baker A sent the notes later except the last, to go ahead and present it. I know and the general staff, the personnel of but gave B a receipt in full for plano, how hard hit thousands, perhaps milter each of this huge army is to be A sold C the three notes unbeknown lions of farmers have been by the deprovided for by the regular army of past due A setting as receipt, and A sent the notes later except the last, the personnel of but gave B a receipt in full for plano. lions of farmers have been by the de- provided for by the regular army of cline in corn and cotton and cattle and 300,000 officers and men; the national Can C collect again for the last note? other products in lesser measure. But guard approximating 425,000 men, A didn't turn over the money for this this statement of the committee is bas- and organized reserves of indefinite note to C. A has now disappeared. this statement of the committee is bas- and organized reserves of indefinite ed, I am sure, on an incorrect diag- strength. The first 2,000,000 men are nosis of the causes of the illness which to be organized into six field armies at present afflicts us. Incorrect diag- with the proper number of corps, dinosis and uneconomic remedies always visions and auxiliary troops. Reserve do more harm than good. I am not equipment and supplies will be providwilling to subscribe to a remedy based ed and an organization for mobilizing nosis. The curtailment of credits is, scheme would give employment to a in my opinion, only a part of a result, vast number of training officers and and not the cause, and does not lie necessitate the maintenance of an im-

ble result of conditions due to the war. ready in action all along the line a sys-collect.—J. R. R. I went through a similar situation fol-tematic, well organized movement to lowing the Civil War. What we should demand of congress larger appropriado is to get at fundamentals, with a tions, regardless of the fact that if the more thorough knowledge of condi-increases are granted it will mean in-

"This cannot be accomplished, in my the local associations of farmers and best to thresh them and treat for judgment, by mere creation of credits, the central agency, or overhead organ- weavil? especially if the chief use of these ization. The matter has been referred Beans which have been properly curcredits is to hold back products from to several authorities by the Washing- ed might be allowed to stand in pods consumption while other products are ton office of the American Farm Bu- indefinitely without risk of much dambeing raised. It can be accomplished, reau Federation. An assistant in the age, were it not for the prevalence of if at all, by enlarging consumption, attorney-general's office said the pro- the bean weavil. The great likelihood Nothing which has been officially sug- posed measure would give any benefits of loss from weavil injury makes it adgested in either the earlier conference to the central association that were visable to thresh beans in the fall or or in this conference will have any conferred upon the local association, early winter and treat them for weavil affect even if carried out in good faith, Solicitor Williams of the department to prevent loss. Beans can be held in on increasing consumption, except the of agriculture, gave a negative answer. storage in much better condition when one suggestion that foreign markets When the matter was referred to Clif- threshed than when kept in the pods. for American products should be ford Thorne, of Chicago, the federa- J. F. Cox, Professor of Farm Crops.

be so amended as to remove any doubt

THE national committee for government economy has prepared a draft for a reorganization of the execu-The executive committee of the tive departments of the federal govbureaus of education, Indian affairs, pensions, public health service, and several other similar activities.

That part of this "government economy" reconstruction program which is of special interest to farmers is the proposed removal of the weather bureau and chemistry bureau from the department of agriculture to the de-

There are some good reasons why weather bureau, especially, is probably tions made for these bureaus are now government is spending more money

Sir Auckland Geddes, the British am-

LIABILITY ON NOTE.

note to C. A has now disappeared. What can B do?—J. B.

The maker of a negotiable note assigned in the regular course of trade before maturity, is liable to the indorsee regardless of any defences he may have against the person to whom it was payable. If A was the agent of C to collect the note, and had it in his possession for that purpose, payment to A is payment to C; but the fact that he had collected prior notes was no justification for payment of a later All signs indicate that there is alone to him if he did not have it to

KEEPING BEANS IN THE POD.

tions and of past experience, and then seek to prevent, if humanly possible, the long period of depression, which post-Civil War experience and history indicates is to be feared.

A question has come up in Michigan as to whether the provisions of the Capper-Volstead farmers' collective bargaining bill will apply equally to stand another year. Or would it be stand another year. Or would it be stand another year. Or would it be stand another year. Can you inform me as to the advis-

ORGANIZATION OF VEGETABLE CANNING CROP GROWERS.

As was noted in this paper a few weeks ago a movement was started at Columbus, Ohio, in August to try and organize a national vegetable canning crop association. A second meeting was held at Columbus at which ten states where canning crops are grown extensively were represented. At that conference a resolution was passed asking President Howard, of the American Farm Bureau Federation, to appoint a committee consisting of one man from each state interested to work out some more equitable plan of marketing the crops grown by the vegetable canning crop growers.

In Michigan the pea growers are the ones who will in all probability be the most likely to be interested in this movement. It is a well known fact that one of the arguments which the canners always make against higher prices for peas in Michigan is the fact that the canners in Wisconsin do not pay as much as the canners in Michigan. This same argument is used by the tomato growers of some of the eastern states and they make their comparison with the prices paid in In diana and Ohio. The movement to organize the canning crop growers has as one of its objects the working out of some plan which will more nearly equalize the prices paid for canning crops in different states. If it is true as some claim, that tomatoes, for example, can be grown much more cheaply in Indiana than in Delaware and New Jersey, it would seem that there should be a difference in the prices paid to the growers in the different states.

In order that we may have more accurate information to base our calculations upon, quite extensive cost accounting records have been kept in the different states interested. In Michigan during the past year a number of records have been kept of the cost of producing peas for canning purposes. If the Wisconsin records show that the growers in that state can produce peas more cheaply than the Michigan growers, we cannot expect to compete with them on an equal price basis unless other factors such as transportation of canned goods should enter in to offset other differences in cost.

The writer has been made a representative of the American Farm Bureau Federation for canning crops and vegetable interests until such a time as a man can be employed at full time on this work. We have endeavored to get in touch with the pea growers in different sections of the state through the County Farm Bureau and to ascertain the desires of the pea growers as

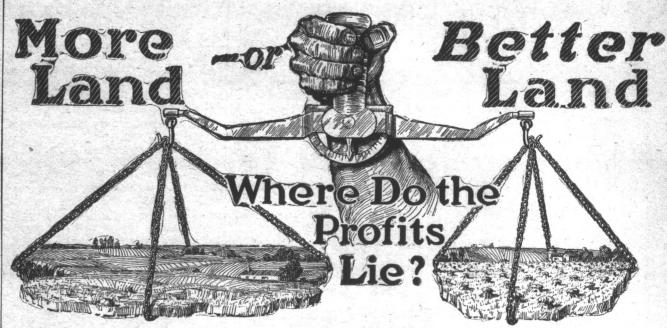
to a state organization which should come before the Michigan growers can take part in the national organization.

In New York state the growers are organized in such a manner that each grower signs a crop contract with a penalty affixed. This form of contract assures united effort. The Michigan State Farm Bureau has expressed an interest in this movement and if the growers show sufficient interest, the farm bureau will probably assist in working out some plan of state organization. We would be pleased to hear from individuals or groups of men as to their desires along this line.

C. W. WAID, Representative American Farm Bureau Federation.

Arley Blud says he likes lima beans better than peas as they don't roll off his knife so easy. He thinks napkins are a nuisance as they are always catching things that might just as well go through to the floor for the pup.

William Elkins says the new dentist down town ought to like to go to church because its like pulling teeth to get some folks to go to church like they ought to.



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Stop Barn Cleaning Drudgery | Activities of Cloverland

By L. A. Chase

WINTER dropped down on Clover- and the season's results in terms of The week before we had been the orchard. sweltering in summer temperatures. Nature seemed a bit be-fuddled by this nine days-a longer growing season three million fence posts per year,

than the most southerly counties of the state normally enjoy. Without waiting for a frost, snow descended on October 27. It is going away again and farmers who were late in getting out their potatoes will still have time to lift them. Even if they had been snowed in

for the winter, that would not have left out all winter come out in prime and eight inches, as the gauge record- exhibition. ed it. This is exceptionally heavy for the northern peninsula, but it indicates what can be accomplished in this regard in upper Michigan. Our normal tablishment of a fish hatchery through precipitation is not more than yours, the joint action of the Ontario and but we keep all we get.

Horticultural Work.

College by those who attend the meet- ery there is said to be unsuitable ings of "Farmers' Week," next Febru- through its use of chlorinated water ary. Robert Blemhuber, upper penin from the city pumping station. The sula member of the board of directors of the Michigan State Farm Bureau, also plans a fish survey of the upper has collected specimens of apples, peaches, pears, plums and grapes that were grown in and adjacent to Mar. of the Northern State Normal School, quette, this season, and has shipped the collection to C. P. Halligan, of the horticultural department of the college. It will be put in storage for the purposed to make analyses of the river farmers' meeting. It will be an eyeopener, and I venture to predict that adaptation for various species of fish. no little astonishment will be expressed at the exhibit. The "Blemhuber" apple, named in honor of Mr. Blemhuber's father, producer of the variety, ing on the upper Great Lakes is now is a magnificent specimen of the fruit, under way. Menominee claims the weighing up to sixteen ounces in some largest fish salting establishment in instances. Other varieties of apples the world, to which fish are shipped include the Seek-no-further, the Shia- from various points on Lake Superior wassee Beauty, the Cloverland Beauty, and Lake Michigan for salting and rethe Greasy Pippin, the Ben Davis and frigeration, and reshipment to distant other standard varieties. It is hoped points throughout the country. that the college will see its way to include fruit culture in the work upper peninsula branch of the experiment station at Chatham, although county next month. It represents an Chatham may not itself be the best location for this department of its work. A location nearer to Lake Su-sheep and chickens, and produce ham perior, such as that now held by the northern orchards, has been suggested as preferable. These northern orchards, containing 2,700 apple trees, 1,000 cherry trees, some two hundred and twenty-five plums and fifty pears, have a remarkably fine situation in the hill country a few miles out from Mar. the recent acquisition of additional quette, where air drainage and expo- pure-bred stock and the elimination of sure are most favorable, the location poor stock by members. Two new dihaving been selected by L. M. Geismar, rectors were recently chosen. Henry now county agent of Houghton county;

land very suddenly, October 27. fruit seem to justify the position of

Fence Posts.

When a representative of the State unwonted delay in the termination of Farm Bureau recently passed through the growing season. From the copper the peninsula, he observed large quancountry came reports of second crops tities of fence posts by the railroad of raspberries and fruit trees in blos- tracks awaiting shipment. It was sugsom for the second time this season, gested to him that here was another Violets were blooming in Chippewa, line that could be well handled by the while robins have been singing with farm bureau's marketing department. all the fervor of the springtime per- The upper peninsula has a large outformances. In Marquette it has been put of this most necessary adjunct to officially determined that there was no farming. One of the largest dealers killing frost from May 3 to October 29 in posts and poles in the district esti--a period of one hundred and seven- mates its product to amount to some

> most of which are shipped outside the state. If our idiotic practice of burning up our second-growth-yes, and virgin stuff, too, were discontinued lower state farmers would be able to secure home-grown fence posts. at more favorable prices than now prevail.



Grown in U. P.

G. W. Putnam, of the Chatham Exbeen serious, since our snows come periment Station, is seeking to interbefore the soil freezes, and remains at est Cloverland farmers in the coming an increasing depth all winter. While International Live Stock Show at Chithis snow may have its disadvantages, cago in December. He wants them it effectually protects the surface of particularly to enter exhibits of barthe ground against frost, and potatoes ley, oats, grass seed and hay. It is reported that an upper peninsula boy, condition in the spring. How deep this Carl Johnson, of Gogebic county, who snow cover may become is seen when was one of the winning team in the it is stated that Houghton enjoyed a stock judging contest at the State Fair snow-fall last winfer of two hundred at Detroit, will enter for honors at this

Will Make a Fish Survey.

Sault Ste. Marie is expecting the es-Michigan governments in cooperation with the United States Bureau of Fisheries. It is presumed that the plant What this season has meant to fruit- will be in mid-stream of the St. Mary's growers in this end of the state, will river where fresh, running water can be seen at the Michigan Agricultural be secured. The present state hatch-Upper Peninsula Development Bureau peninsula in cooperation with Dr. John Lowe, of the Department of Biology who is a fish expert formerly associated with the Wisconsin Conservation Commission. In this connection it is waters of the district to ascertain their This work should yield very important and interesting results.

The fall season of commercial fish-

Announcement is made that a packing company will open a remodeled and greatly enlarged plant in Iron investment of \$75,000, it is stated, and will be equipped to handle cattle, hogs, and sausage. Local capital is invested in the establishment.

The Gogebic County Cow-testing Association now numbers thirty-three members, says the Ironwood Daily Globe. Its operations have resulted in

(Continued on page 602).

FEEDING BEET TOPS TO SHEEP.

FARMERS of the sugar beet growing districts have found beet tops to be one of the most profitable feeds for sheep obtainable. They usually buy a lot of feeders in the fall, feed them for a period of four or five months, and sell early, without pasturing at all in the spring.

James Huntley has followed this plan with success for six seasons. He usually buys from five hundred and fifty to seven hundred and fifty lambs in the fall, and feeds them for about four months. The beet tops are used first. An acre of tops, he advises, is equal to one and a half tons of hay. After the beet tops are gone, he feeds alfalfa hay and a little straw, but never any grain. A considerable amount of hay has to be bought from neighboring farmers

The special equipment required for feeding as Mr. Huntley does it consists of twenty-one feed racks, each sixteen feet long, and an inclosure forty-eight feet square made of tight shiplap panels sixteen feet long and four and a half feet high. These panels are wired to posts which are set in the ground. The sheep are confined in this fold at night and when not feeding.

The feed racks are set so that a wagon may be driven between them. They are filled each day, in the morning, before the sheep are released from the fold. About twice a week a load of straw is placed in the fold. This serves mainly as bedding and goes into manure. Water is pumped from a well with a small gas engine. After the feeding season is over the feed racks are knocked down by removing the ends; the panels of the fold are unwired from the posts and all material is piled out of the way until needed the following fall. The ground occupied by sheep is planted to beets.

Last season five hundred and fiftyeight Rambouillet lambs averaging about fifty-one pounds each, and altogether weighing 28,640 pounds, were bought on the ninth of November at fifteen cents per pound, or a total of \$4,296. Ten lambs died. After feeding one hundred and twenty-seven days, five hundred and forty eight lambs, averaging about seventy pounds, and altogether weighing 38,150 pounds, were sold on March 16 for seventeen cents, or \$6,485, which was \$2,189 increase over the purchase price.

After deduction of cost of hay and averaging value of the tops of beets, this farmer had \$756 clear gain in return for his labor in handling the lambs for the four-month period when otherwise he would have had practically nothing to do. The manure, cost in present commercial fertilizer values, would have more than offset this, and would have been of doubtful value, at that. So sheep and beets work well together in instances like this. It is certain that the millions of tons of beet tops that have been permitted to decay in heaps in beet-growing districts, like Michigan, Colorado, Montana, Utah, Idaho and California, can well be converted into mutton and wool profits.-E. W. G.



Good Sires Mean More Profits.



Your animals are coming off summer pastures and going on dry feed. It's a big change. Out in the succulent pastures, Nature supplies the tonics and laxatives to keep animals in condition.

-But unless you supply these tonics and laxatives to your stock on dry feed, you are not going to get full returns from your hay, grain and fodder. Besides, your animals are apt to get "off-feed" and out of fix.

Dr. Hess Stock Tonic

Supplies the Tonics—Laxatives—Diuretics

It keeps animals free from worms.

It keeps their bowels open and regular.

It keeps the appetite and digestion good.

It conditions cows for calving.

It helps to keep up the milk flow.

It keeps feeding cattle right up on their appetite.

It keeps hogs healthy, thrifty, free from worms.

It means health and thrift for all animals.

Always buy Dr. Hess Stock Tonic according to the size of your herd. Tell your dealer how many animals you have. He has a package to suit. Good results guaranteed.

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OTTAWA JOG SAW Cuts Down Trees—Saws Logs By Power

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BUY CERTIFIED POTATO SEED OF MICHIGAN GROWERS.

T may be somewhat of a surprise to some of the readers of the Michigan Farmer to know that work has been carried on in this state during the past year with a view of certifying potatoes from forty-three fields comprising a total of over two hundred and fifty acres. There has been some mention made of this in the state papers but the fact has not been advertised very generally.

Each of these fields has been inspected during the growing period twice and the potatoes inspected after digging. In each of the fields inspected all hills of potatoes showing mixture or disease which would be transmissible into the seed stock were removed. This will insure a fairly dependable source of pure seed and seed practically free from transmissible

The growers who have had this work done have paid for the services. They expect to charge a price somewhat higher than that secured for ordinary stock. A list will be made up of all of the potato growers whose fields passed inspection. This list will include the addresses of the growers together with the varieties and number of bushels certified. Anyone desiring to secure the list should write H. C. Moore, secretary of the Michigan Potato Producers' Association, East Lansing. The certification work has been done under the auspices of the Michigan Potato Producers' Association. Some of the seed will no doubt be sold through the Michigan Potato Growers' Exchange and possibly some through the Seed Department of the Michigan State Farm Bureau. Individuals will in some cases sell their own seed and the office of the secretary of the Michigan Potato Producers' Association will help put those who have seed to sell in touch with those who wish to buy.

Michigan certified seed has given a good account of itself where planted and there is no reason why this work for the seed increases.

C. W. WAID, Extension Specialist.

ACTIVITIES OF CLOVERLAND.

(Continued from page 600). Brown is official tester for the asso-

Three hundred and ninety-nine Dickinson county farmers out of four hundred and sixteen had joined the State Farm Bureau at last accounts and there are others yet to be seen. Locals have been established at Ralph, Vulcan. Felch and Hardwood, and delegates elected to the meeting of the county organization. Other locals are in the process of formation.

The Munising News of October 22, announces the beginning of organization work in Alger county on the part of the State Farm Bureau. This is one of the last upper peninsula counties to be organized.

A feature of the plan of organization of the Delta County Farm Bureau locals that is regarded as a mode the state, is the incorporation of each local under the incorporation laws of Michigan. Each local has its own officers and board of directors, placed under bond. The Delta Farm Bureau will sell its members' potatoes through the Cadillac exchange with which it holds membership on behalf of its locals.

Gooseberries require an open, airy situation, and clean culture. The tops must be kept well thinned out, to insure good fruit. They should be dressed with well composted manure, and no weeds should be allowed to grow in the rows. These precautions are necessary to ward off mildew.



The Complete Dormant Spray makes better quality fruit

In almost every fruit section there are a few fruit-growers who produce better fruit and get a better price for it than their neighbors, and who also take the prizes at the fairs and fruit shows. Many of these skillful orchardists long ago selected Scalecide for their dormant spray—because Scalecide not only controls orchard pests controlled by other dormant sprays but does many things that no other spray or combination of sprays can do. Scalecide is becoming known even more for its invigorating effect on trees and its effectiveness in controlling other orchard troubles than for killing scale. Its invigorating effect is noted in increased

Scalecide Requires Less Labor

One barrel of Scalecide, which makes 800 gallons of spray, will cover, until they drip, as many trees as three and a half barrels of lime-sulfur, which make 1600 gallons of spray. And of course you can apply 800 gallons of Scalecide with much less labor than 1600 gallons of lime-sulfur.

Scalecide Is Pleasant To Use

Scalecide is soothing, healing and antiseptic run easier and last longer.

to skin of man or beast, whereas lime-sul-fur is caustic and disagreeable. Scalecide does not injure even the eyes. It does not corrode the spray pump nor clog the nozzles, and being an oil, it makes the pump

terminal growth; larger, darker foliage on bearing trees; and the holding of the foliage later in the Fall, thus accumulating starch and sugar which results in a plumper and stronger fruit spur. and sugar which results in a plumper and stronger fruit spur. Scalecide kills insects, eggs and larvae of insects, and diseases that winter on the trunk of branches of the tree. It kills the hold-over cankers which cause fire blight, makes the old diseased bark peel off, and allows a new cambium to form. It kills the adults and controls Pear Psylla when applied in the Fall or on warm days in the Winter. (It is too late after their eggs are laid in the Spring). It kills aphis, too, when used as a delayed dormant spray.

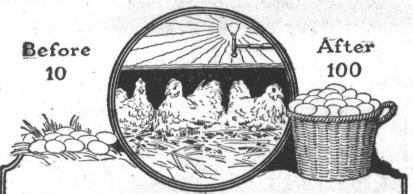
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If there is a dealer in your section, ask him to reserve enough Scalecide for you. If there is no agent near you, write for our booklet, prices and guarantee, and give us the name of your dealer. Use the coupon below. Address Dept. 13. **NEW YORK CITY** 50 Church Street B. G. PRATT CO.

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Colt Carbide Light and the Sun Are Alike to Hens!

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jumped from 10 to 100 eggs per day!

Colt Carbide Gas light is so near actual sunlight that it fooled the hens into working summer hours in winter weather.

You can have this bright, mellow light—the nearest approach to sunlight—in every room of your home and in the barns, too, at a twist of your fingers. You can keep your kitchen cool and clean by cooking with it. It will enable your wife to use a selfheating flat iron.

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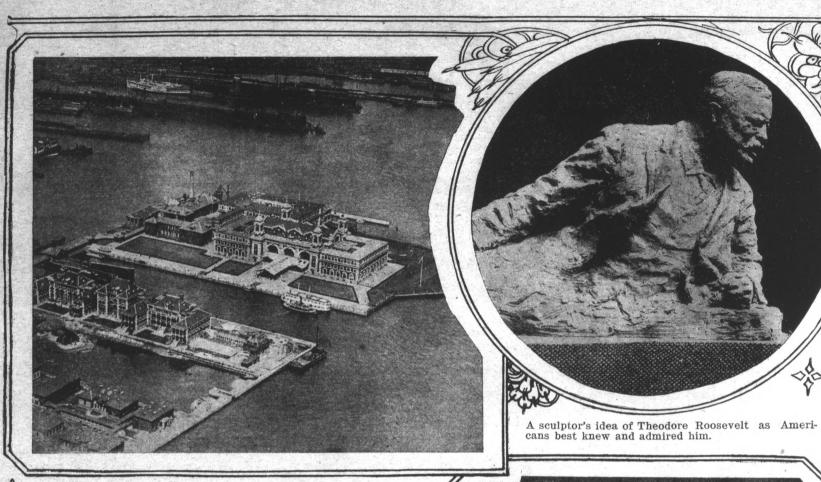
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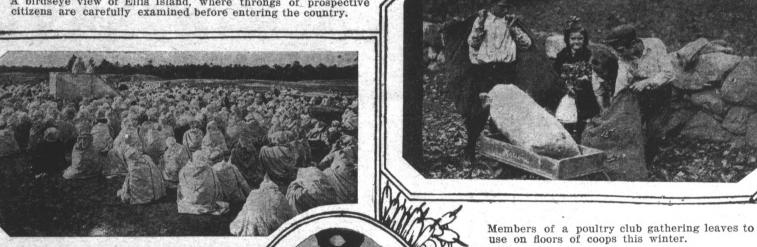
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WORLD EVENTS IN PICTURES



A birdseye view of Ellis Island, where throngs of prospective citizens are carefully examined before entering the country.



The nervy photographer managed to secure this picture of Arabian devotees at prayer in the Algerian desert, notwithstanding the Mohammedan opposition to being photographed at prayer.



Probably the first instance of a Chinaman being called for jury duty in the United States. Chin Toon, who lives in Boston, is reading the summons to duty.



Seventy-eight years old and still riding his faithful bicycle on which he has covered 102,000 miles in the past twenty years.

Prince Paul of Greece, shown at the left, is offered the throne made vacant by the death of King Alexander, here pictured. Prince Paul is now nineteen years of age.

THE VALLEY OF THE GIANTS

A ROMANCE OF THE REDWOODS

By Peter B. Kyne



"Well," Shirley made answer, glad that he could not see the flush of confusion and embarrassment that crimsoned her cheek, "when I came to Sequoia last May, your son and I met, quoia had already gone, and he was not. You feared to offend him by prof- from her reverie. When she looked gracious enough to invite me to make fering it; had you proffered it, he up, he was standing in the center of him. the journey in his car. Then we re- would have declined it. So you bought the little amphitheater gazing at her. called having met as children, and my Valley of the Giants at a prepospresently I gathered from his converterous price and kept your action a rose as if to flee from him. sation that he and his John-partner, as secret." And he patted her hand genttold him! I thought that was brave of baric. you: and later, when Bryce and Moira McTavish told me about you-how ideals."

"Ah, he's a man. He is indeed," old on the trail." John Cardigan murmured proudly. "I intimately, but if you should-"

ed him. "He saved my life the day the marking it. log-train ran away. And that was anhim."

could have bought them for fifty thou- man and his extraordinary son. sand. You had a woman's reason, I peared unduly inquisitive."

"I would rather not tell you," she answered.

Then:

ley Sumner?"

reason."

one sits in the dark, one sees much wait for you here. Don't hurry." that was hidden from him in the full dollars; you knew it. Probably your ent little smile.

"What is that?" Shirley cried.

kind you were, how you felt your re-old daddy home," replied John Cardi- private and confidential little chat with him. So I promised I wouldn't do anythe community-well, I just couldn't Indian war-song or paen of triumph- uncle's house." help a leaning toward John-partner something his nurse taught him when

dare say you'll never get to know him down the trail; his stick tapping left arm went around her, and when Pacific has decided to build up from against the old logging-cable stretched her hands went to her face, he drew Willits, and all that powwow and pub-"I know him intimately," she correct- from tree to tree beside the trail and them gently away.

other reason. I owed him a debt, and She did not wish to meet Bryce Cardi- you at last all the things that have ured the C. M. & St. P. was back of so did my uncle; but uncle wouldn't gan today and she was distinctly grate- been accumulating in my heart. I love the N. C. O.—that it was to be the pay his share, and I had to pay for ful to John Cardigan today for his nice you, Shirley. I've loved you from that first link of a chain of coast roads to "Wonderful," murmured John Cardi- view. She seated herself in the lum- these months of strife and repression inus of the C. M. & St. P. on Gray's gan, "wonderful! But still you haven't berjack's easy-chair so lately yacated, have merely served to make me love Harbor, Washington. And if the N. told me why you paid a hundred thou- and chin in hand, gave herself up to you the more. Perhaps you have been C. O. should be built, it meant that a sand dollars for the Giants when you meditation on this extraordinary old all the dearer to me because you seem-rival road would get the edge on them

A couple of hundred yards down the dare say, and women always reason trail Bryce met his father. "Hello, breast; his great hand patted her hot they'd be left holding the sack." from the heart, never the head. How- John Cardigan!" he called. "What do cheek; his honest brown eyes gazed ever, if you do not care to tell me, I you mean by skallyhooting through earnestly, wistfully into hers. "I love shall not insist. Perhaps I have ap- these woods without a pilot? Eh? Ex- you," he whispered. "All that I have used to be a C. M. & St. P. man; they plain your reckless conduct."

father retorted affectionately, I thought in the shrine of my heart I shall hold any rate, this right-of-way man was A gentle, prescient smile fringed his you'd never come." He reached into you sacred while life, shall last. You mighty anxious to know whether or old mouth; he wagged his leonine head his pocket for a handkerchief, but fail- are not indifferent to me, dear. I know not the N. C. O. had purchased from as if to say: "Why should I ask, when ed to find it and searched through anyou're not; but tell me-answer me-" the Cardigan Redwood Lumber Com-I know?" Fell again a restful silence, other pocket and still another. "By Her violet eyes were uplifted to his, pany a site for a terminus on tidewater "Am I allowed one guess, Miss Shir- "I do believe I left my silk handker- cry. "Ah, may I?" he murmured, and age on the Bay), and when I told him chief-the one Moira gave me for my kissed her. "Yes, but you would never guess the last birthday-up yonder. I wouldn't lose that handkerchief for a farm, sweetheart," she whispered-and then "I am a very wise old man. When Skip along and find it for me, son. I'll her arms went around his neck, and

glare of the light. My son is proud, son replied, and started briskly up the her repress. In the safe haven of his million dollars, and an hour ago I remanly, independent, and the soul of trail, while his father leaned against arms she rested; and there, quite with ceived a wire from my attorney in San honor. He needed a hundred thousand a madrone tree and smiled his presci- out effort or distress, she managed to Francisco informing me that the mon-

and John-partner's boy, because the he wore pinafores. If you'll excuse me, answered a little drearily—and then he me there no less a person than the boy was so fine and true to his father's Miss Shirley Sumner, I'll leave you noted her wet lashes. Instantly he right-of-way man for the Northwestern now. I generally contrive to meet him was on one knee beside her; with the Pacific. He was a perfectly delightful amazing confidence that had always young fellow, and had a proposition to He bade her good-bye and started distinguished him in her eyes, his big unfold. It seems the Northwestern

Shirley was tremendously relieved, he murmured. "Thank God, I can tell that spurred them to action. They figconsideration in sparing her an inter- first day we met at the station, and all be connected ultimately with the termed so hopelessly unattainable."

to come to her whenever they met. "Oh, my love!" he cried happily, "I hadn't dared dream of such happiness until today. You were so unattainable the obstacles between us were so

"Why today, Bryce?" she interrupted

He took her adorable little nose in "You-you!" she stammered, and his great thumb and forefinger and tweaked it gently. "The light began "The governor sent me back to look to dawn yesterday, my dear little enhe called you, were very dear to each ly, as if to silence and denial, while for his handkerchief, Shirley," he ex- emy, following an interesting half-hour other. I was witness to your meeting far down the skid-road a voice—a half- plained. "He didn't tell me you were which I put in with his honor the maythat night—I saw him take you in his trained baritone—floated faintly to here. Guess he didn't hear you." He or. Acting upon suspicion only, I told big arms and hold you tight because them through the forest. Somebody was advanced smilingly toward her. "I'm Poundstone I was prepared to send you'd-gone blind while he was away singing-or rather chanting-a singu- tremendously glad to see you today, him to the rock-pile if he didn't behave having a good time. And you hadn't larly tuneless refrain, wild and bar- Shirley," he said, and paused beside himself in the matter of my permanent her. "Fate has been singularly kind franchise for the N. C. O .- and the to me. Indeed, I've been pondering all oily old invertebrate wept and promis-"That is my son, coming to fetch his day as to just how I was to arrange a ed me anything if I wouldn't disgrace sponsibility toward your employes and gan. "That thing he's howling is an you, without calling upon you at your thing until the franchise matter should be definitely settled-after which I re-"I don't feel like chatting today," she turned to my office, to find awaiting licity of Buck Ogilvy's about the N. C. "I've waited too long, sweatheart," O. was in all probability the very thing in the matter of every stick of Hum-He drew her head down on his boldt and Del Norte redwood-and

"Why did they think that, dear?"

"That amazing rascal, Buck Ogilvy, -all that I am-all that I hope to be thought they traced an analogy, I dare "You great overgrown duffer," his -I offer to you, Shirley Sumner; and say. Perhaps Buck fibbed to them. At gravy, son," he remarked presently, and in them he read the answer to his (we control all the deep-water frontthe deal had not yet been closed, he "Oh, my dear, impulsive, gentle big started to close one with me."

"Did you close?"

"My dear girl, will a duck swim? Of the fullness of her happiness found course I closed. I sold three-quarters "I'll be back in a pig's whisper," his vent in tears he did not seek to have of all we had, for three-quarters of a convey to him something more than an ey had been deposited in escrow there uncle informed you. You wanted to Bryce's brisk step on the carpet of inkling of the thoughts that were wont awaiting formal deed. That money

AL ACRES-Al Always Seems Prepared for Any Emergency.

-By Frank R. Leet



puts the Cardigan Redwood Lumber Company in the clear—no receivership for us now, my dear one. And I'm going right ahead with the building of the N. C. O.—While our holdings down on the San Hedrin double in value, for the reason that within three years they will be accessible and can be logged over the rails of the Northwestern Pacific!"

"Bryce," Shirley declared, "haven't I always told you I'd never permit you to build the N. C. O.?"

"Of course," he meplied, "but surely you're going to withdraw your objections now."

"I am not. You must choose between the N. C. O. and me." And she met his surprised gaze unflinchingly.

"Shirley! You don't mean it?"
"I do mean it. I have always meant
it. I love you, dear, but for all that,
you must not build that road."

He stood up and towered above her sternly. "I must build it, Shirley. I've contracted to do it, and I must keep faith with Gregory of the Triniday Timber Company. He's putting up the money, and I'm to do the work and operate the line. I can't go back on him

"Not for my sake?" she pleaded. He shook his head. "I must go on," he reiterated.

"Do you realize what that resolution means to us?" The girl's tones were grave, her glance graver.

"I realize what it means to me!" She came closer to him. Suddenly the blaze in her violet eyes gave way to one of mirth. "Oh, you dear big booby!" she cried. "I was just testing you." And she clung to him, laughing. "You always beat me down-you always win. Bryce, dear, I'm the Laguna Grande Lumber Company-at least, I will be tomorrow, and I repeat for the last time that you shall not build the N. C. O.-because I'm going to-oh, dear, I shall die laughing at you-because I'm going to merge with the Cardigan Redwood Lumber Company, and then my railroad shall be your railroad, and we'll extend it and haul Gregory's logs to tidewater for him also. And-silly, didn't I tell you you'd never build the N. C. O.?"

"Lord bless my mildewed soul!" he murmured, and drew her to him.

In the gathering dusk they walked down the trail. Beside the madrone tree John Cardigan waited patiently.

"Well," he queried when they joined him, "did you find my handkerchief for me, son?"

"I didn't find your handkerchief, John Cardigan," Bryce answered, "but I did find what I suspect you sent me back for—and that is a perfectly won derful daughter in-law for you."

John Cardigan smiled and held out his arms for her. "This," he said, "is the happiest day that I have known since my boy was born."

CHAPTER XXXIX.

OLONEL SETH PENNINGTON
was thoroughly crushed. Look
which way he would, the bedevilled old rascal could find no loophole
for escape.

"You win, Cardigan," he muttered desperately as he sat in his office after Shirley had left him. "You've had more than a shade in every round thus far, and at the finish you've landed a clean knockout. If I had to fight any man but you—"

He sighed resignedly and pressed the push-button on his desk. Sexton entered. "Sexton," he said bluntly and with a slight quiver in his voice, "my niece and I have had a disagreement. We have quarreled over young Cardigan. She's going to marry him. Now, our affairs are somewhat involved, and in order to straighten them out, we spun a coin to see whether she should sell her stock in Laguna Grande to me or whether I should sell mine to her—and I lost. The book-valuation of the stock at the close of last year's busi-



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SAWS ANY WOOD IN ANY POSITION ON ANY GROUND 4 In. to 5 ft. Through 1 Man With a Folding Beats 2 Cross-cut Saw 5 to 9 cords daily is the usual average for one mail A EUNS EAST A SAWS A



One 1927 Model Machine saws faster, runs easier and will last longer than ever. Adjusted in a minute to suit a 2-year-old boy or strongest man. Ask for estalog No. M44 and low price. First order gets agency. Felding Sawing Mach. Co., 161 W. Harrison St., Chicago, IL.

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the selling price, and I shall resign as tory. I am content." president. You will, in all probability, be retained to manage the company boy Bryce!" until it is merged with the Cardigan She laughed softly. "I wanted him tice to seek a new job elsewhere. Call plained. Miss Sumner's attorney, Judge Moore, on the telephone and ask him to come to the office at nine o'clock tomorrow, when the papers can be drawn up and signed. That is all."

quoia and engaged a room. He did not the door of the office. possess sufficient courage to face his niece again.

At four o'clock the next day, the Colonel, his baggage, his automobile, his chauffeur, and the solemn butler James, boarded the passenger steamer for San Francisco, and at four-thirty sailed out of Humboldt Bay over the thundering bar and on into the south. The Colonei was still a rich man, but his dream of a redwood empire had faded, and once more he was taking up the search for cheap timber. Whether he ever found it or not is a matter that does not concern us.

At a moment when young Henry Poundstone's dream of a legal opulence was fading, when Mayor Poundstone's hopes for domestic peace had been shattered beyond repair, the while his cheap political aspirations and I'm for him." had been equally devastated because of a certain damnable document in the possession of Bryce Cardigan, many events of importance were transpiring. On the veranda of his old-fashioned home, John Cardigan sat tapping the floor with his stick and dreaming dreams which, for the first time in many years, were rose-tinted. Beside him Shirley sat, her glance bent musingly out across the roofs of Sequoia and on to the bay shore, where the smoke and exhaust-steam floated up from two sawmills—her own and Bryce Cardigan's. To her came at regularly spaced intervals the faint whining of the saws and the rumble of log-trains crawling out on the log-dumps; high over the piles of bright, freshly sawed lumber she caught from time to time the flash of white spray as the great logs tossed from the trucks, hurtled down the skids, and crashed into the Bay. At the docks of both mills vessels were loading, their tall spars cutting the sky-line above and beyond the smokestacks; far down the Bay a steam schooner, loaded until her maindeck was almost flush with the water, was putting out to sea, and Shirley heard the faint echo of her siren as she whistled her intention to pass to starboard of a wind-jammer inward bound in tow of a Cardigan tug.

"It's wonderful," she said presently, apropos of nothing.

"Aye," he replied in his deep, melod-"this is the true essence of life-to decided the issue." create, to develop the gifts that God has given us-to work and know the for it, you know."

John-partner," she answered; "hence of it. The old horsethief has had his

ness, plus ten per cent, will determine I think I can enjoy the sweets of vic-

"And what a run you did give that

Redwood Lumber Company-when, I to fight; I had a great curiosity to see imagine, you will be given ample no- the stuff that was in him," she ex-

CHAPTER XL.

TEXT day Bryce Cardigan, riding. the top log on the end truck of a long train just in from Cardi-The Colonel did not return to his gan's woods in Township Nine, drophome in Redwood Boulevard that ped from the end of the log train as night. He had no appetite for dinner the train crawled through the mill-yard and sat brooding in his office until very on its way to the log dump. He hailed late; then he went to the Hotel Se- Buck Ogilvy, where the latter stood in

"Big doings up on Little Laurel Creek this morning, Buck."

"Do tell!" Mr. Ogilvy murmured morosely.

"It was great," Bryce continued. "Old Duncan McTavish returned. I knew he would. His year on the mourner'sbench expired yesterday, and he came back to claim his old job of woods-

"He's one year too late," Ogilvy declared. "I wouldn't let that big Canadian Jules Rondeau quit for a farm. Some woods-boss, that—and his first job with this company was the dirtiest you could hand him-smearing grease on the skid-road at a dollar and a half a day and found. He's made too good to lose out now. I don't care what his private morals may be. He can get out the logs, hang his rascally hide,

"I'm afraid you haven't anything to say about it, Buck," Bryce replied dryly.

"I haven't, eh? Well, any time you deny me the privilege of hiring and firing, you're going to be out the service of a rattling good general manager, my son. Yes, sir! If you hold me responsible for results, I must select the tools I want to work with."

"Oh, very well," Bryce laughed. "Have it your own way. Only if you can drive Duncan McTavish out of Cardigan's woods, I'd like to see you do it. Possession is nine points of the law, Buck-and old Duncan is in possession."

"What do you mean—in possession?" "I mean that at ten o'clock this morning Duncan McTavish appeared at our log-landing. The whisky-fat was all gone from him, and he appeared forty years old instead of the sixty he With a whoop he came jumping over the logs, straight for Jules Rondeau. The big Canuck saw him coming and knew what his visit portended -so he wasn't taken unawares. It was a case of fight for his job and-Rondeau fought."

"The devil you say!"

"I do-and there was the devil to pay. It was a rough and tumble and no grips barred-just the kind of fight Rondeau likes. Nevertheless old Duncan floored him. While he's been away somebody taught him the hammer-lock ious voice, "I've been sitting here, my and the crotch-hold and a few more dear, listening to your thoughts. You fancy ones, and he got to work on Ronknow something, now, of the tie that deau in a hurry. In fact, he had to, binds my boy to Sequoia. This"—he for if the tussle had gone over five waved his arm abroad in the darkness minutes Rondeau's youth would have

"And Rondeau was whipped?"

"To a whisper. Mac floreod him, blessing of weariness-to have dreams climbed him, and choked him until he and see them come true. That is life, beat the ground with his free hand in and I have lived. And now I am ready token of surrender; whereupon old to rest." He smiled wistfully. "The Duncan let him up, and Rondeau went king is dead. Long live the king." I to his shanty and packed his turkey. wonder if you, raised as you have been, The last I saw of him he was headed can face life in Sequoia resolutely with over the hill to Camp Two on Laguna my son. It is a dull, drab sawmill Grande. He'll probably chase that astown, where life unfolds gradually sistant woods boss I hired after the without thrill-where the years stretch consolidation, out of Shirley's woods ahead of one with only trees, among and help himself to the fellow's job. simple folk. The life may be hard on I don't care if he does. What interyou, Shirley; one has to acquire a taste ests me is the fact that the old Cardigan woods-boss is back on the job in "I have known the lilt of battle, Cardigan's woods, and I'm mighty glad

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lesson and will remain sober hereaf ter. I think he's cured."

"The infamous old outlaw."

"Mac knows the San Hedrin as I know my own pocket. He'll be a tower of strength when we open up that tract after the railroad builds in. By the way, has my dad been down this morning?"

"Yes. Moira read the mail to him and then took him up to the Valley of the Giants. He said he wanted to do a little quiet figuring on that new steam schooner you're thinking of building. He thinks she ought to be bigger-big enough to carry two mil lion feet."

Bryce glanced at his watch. "It's half after eleven," he said. "Guess I'll run up to the Giants and bring him home to luncheon."

He stepped into the Napier standing outside the office and drove away. Buck Ogilvy waited until Bryce was out of sight; then with sudden deter mination he entered the office.

"Moira," he said abruptly, approaching the desk where she worked, "your dad is back, and what's more, Bryce Cardigan has let him have his old job as woods-boss. And I'm here to announce that you're not going back to the woods to keep house for him. Understand? Now, look here, Moira. I've shilly-shallied around you for months, protesting my love, and I haven't gotten anywhere. Today I'm going to ask you for the last time. Will you marry me? I need you worse than that rascal of a father of yours does, and I tell you I'll not have you go back to the woods to take care of him. Come, now, Moira. Do give me a definite answer."

"I'm afraid I don't love you well enough to marry you, Mr. Ogilvy," Moira pleaded. "I'm truly fond of you,

"The last boat's gone," cried Mr. Ogilvy, desperately. "I'm answered. Well, I'll not stick around here much longer, Moira. I realize I must be a nuisance, but I can't help being a nuisance when you're near me, So I'll quit my job here and go back to my old game of railroading."

"Oh, you wouldn't quit a ten-thousand-dollar job," Moira cried, aghast.

"I'd quit a million-dollar job. I'm desperate enough to go over to the mill and pick a fight with a big bandsaw. I'm going away where I can't see you. Your eyes are driving me crazy."

"But I don't want you to go, Mr. Ogilvy."

"Call me Buck," he commanded sharply.

"I don't want you to go, Buck," she repeated meekly. "I shall feel guilty, driving you out of a fine position."

"Then marry me and I'll stay." "But suppose I don't love you the

way you deserve-" "Suppose! Suppose!" Buck Ogilvy

"You're no longer certain of cried. yourself. How dare you deny your love for me? Eh? Moira, I'll risk it." Her eyes turned to him timidly, and

for the first time he saw in their smoky depths a lambent flame. "I don't know," she quavered, "and it's

"Oh, the devil take the case!" cried rapturously, and took her hands in his. "Do I improve with age, dear Moira," he asked with boyish eagerness: then before she could answer he swept on, a tornado of love and pleading. And presently Moira was in his arms, and he was kissing her, and she was crying softly because-well, she admired Mr. Buck Ogilvy; more, she respected him and was genuinely fond of him. She wondered, and as she wondered, a quiet joy thrilled her in the knowledge that it did not seem at all impossible for her to grow, in time, absurdly fond of this wholesome red rascal.





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ed rascal.
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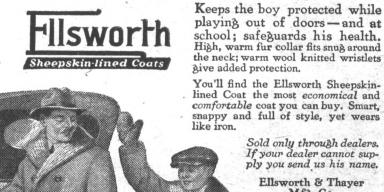
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the most wonderful woman I ever was no more—that like a watch, the heard of. Old rosy-cheeks!" And he winding of which has been neglected, pinched them just to see the color he had gradually slowed up and stopcome and go.

John Cardigan was seated in his "Good-bye, old John-partner!" he lumberjack's easy-chair as his son ap murmured. "You've escaped into the brown twigs beside him; his chin was now, but we'll come back again.' sunk on his breast, and his head was

and again his son shook him. Still leonine old head and gazed into his father's face. "John Cardigan!" he cried sharply. "Wake up, old pal."

The old eyes opened, and John Carclosed his sightless eyes again as if wearied him. "I've been sitting herewaiting," he went on in the same gen boy-waiting-"

'Listen," he continued. "Can't you fore, chirped at them inquiringly. hear it—the Silence? I'll wait for you lost his leg at Camp Seven last fall— sweetheart." and Tom Ellington's children-andand—"

He sighed gently. "Good son," he dreams had come true. whispered again; his big body relaxed,

don't know, I'm sure, but perhaps I've and the great heart of the Argonaut loved you a little bit for a long time." was still. Bryce held him until the "I'm perfectly wild over you. You're realization came to him that his father ped.

proached. His hat lay on the litter of light at last. We'll go home together

And with his father's body in his held a little to one side in a listening strong arms he departed from the litattitude; a vagrant little breeze rust- tle amphitheatre, walking lightly with led gently a lock of his fine, long white his heavy burden down the old skidhair. Bryce stooped over the old man road to the waiting automobile. And and shook him gently by the shoulder. two days later John Cardigan return-"Wake up, partner," he called cheer- ed to rest forever with his lost mate fully. But John Cardigan did not wake, among the Giants, himself at last an infinitesimal portion of that tremenreceiving no response, Bryce lifted the dous silence that is the diapason of the

When the funeral was over, Shirley and Bryce lingered until they found themselves alone beside the freshly digan smiled up at his boy. "Good turned earth. Through a rift in the son," he whispered, "good son!" He great branches two hundred feet above. great branches two hundred feet above, a patch of cerulean sky showed faintthe mere effort of holding them open ly; the sunlight fell like a broad golden shaft over the blossom-laden grave, and from the brown trunk of tle whisper. "No, not waiting for you, an adjacent tree a gray squirrel, a descendant, perhaps of the gray squir-His head fell over on his son's shoul- rel that had been wont to rob Bryce's der; his hand went groping for Bryce's. pockets of pine nuts twenty years be-

"He was a giant among men," said here, my son. Mother and I will wait Bryce presently. "What a fitting place together now—in this spot she fancied, for him to lie!" He passed his arm I'm tired-I want rest. Look after old around his wife's shoulders and drew Mack and Moira-and Bill Dandy, who her to him. "You made it possible,

She gazed up at him in adoration. all the others, son. You know, Bryce. And presently they left the Valley of They're your responsibilities. Sorry I the Giants to face the world together, can't wait to see the San Hedrin op- strong in their faith to live their lives ened up, but-I've lived my life and and love their loves, to dream their loved my love. Ah, yes, I've been hap-dreams and perchance when life should py-so happy just doing things-and- be done with and the hour of rest at dreaming here among my Giants-and hand, to surrender, sustained and comforted by the knowledge that those

Armistice Day, 1920

Our Weekly Sermon --- By N. A. McCune

RIMITICE DAY, 1920, is very optimism can deny that Europe at this lightning methods.

that face us today?

different from the first armistice time is very sick. Europe is a seethday, 1918. Then the world's joy ing cauldron of suspicions, jealousies, knew no bounds. People were delir- and hatreds." An American army offiious with happiness. The Great War cer in Buda Pesth says that all the was over. But today we have come governments of that part of Europe down off the mountain of delight. We are expecting hostilities to break out are plodding over the old earthy earth and are quietly getting ready for them. in a very commonplace way. To quote England has scarcely had a peaceful a certain writer and say we have been day since the armistice began. It has disillusioned, is to put it about right. been one long strike, or threat of The transformation of earth into heav- strike, after another, with immense en, we are finding, cannot be done by dissatisfaction expressed with the present government. Field Marshal Now, people don't like a gloomy Sir H. Wilson says that England did preacher. At the same time a frothy, not-enter the war on account of the preacher is about as bad. While the moral aims which were so freely ad-'Reverend Sorrowful Gloom" may not vertised, but "to save our skins." The be in demand, his half-brother, the Australian traveler reports that an or-Reverend I. B. Shallow, is not over-gy of gambling and extravagance have burdened with engagements. In other passed over that land. Mr. Filene, the words, while it may seem a dark pic- head of a large retail store in Boston, ture at the present time, we must face has just returned from Europe, where issues as they are. Facts are stubborn he spent several months. He talked things, and we must not blink them. with all classes and conditions of men If we do, they will arise and smite us. —professional men, labor leaders, big What, then, are some of the conditions business men, and government officials. He says: "Nothing but a birth of good-will can save Europe. Our new THIS summer there have been three political machinery, our league of na-American clergymen traveling in tions, our international court can help, different parts of the world, one in but it is only by getting good-will into England, one on the continent and one the hearts of the people that Europe in Australia. These men are experi- can be saved, from revolutions worse enced travelers and acute observers, than war and utter collapse." The fact They have been in journalistic work that looms blackest on the horizon is for years. They all tell the same story, hate. Everybody over there is hating Wherever they go, it is a tale of dis somebody. Germans hate the French appointment over the treaty, or fear and English, France hates the Gerof more war, and of hatred of other mans, and besides that there are inraces. One quotes Sir P. Gibbs: "No tense class hatreds. Someone has callman, unless he is blind or drunk with ed it "The reign of hate." As for Amer-

ica, the facts are available to everyone. One item will do. Our normal peace expendture is not to be less than six thousand million dollars annually. That is six times what it was before the war. It is equal to paying out a dollar a minute for eleven thousand years. And we are in the best condition financially of any of the warring

BUT there is another side to it. There is good in the world, as well as evil. During the past summer a great conference was held in Switzerland of all the Protestant bodies of America and Britain, all the Protestant bodies of the European countries, and in addition representatives of the Greek and Russian Orthodox church were there, said to have a constituency of one hundred and thirty millions of people. No such meeting has ever been held, and it was the purpose of getting a common viewpoint, and sharing a common cause. Then, there is the work of the German League of Nations Society, which aims to teach children to believe in peace as in the past they were taught to believe in war. The very fact that the League of Nations idea is an old one, is encouraging. The "Save the Children" movement shows that many people are forgetting the past, or are trying to, and are holding out the helping hand to those whom they were recently fighting.

Now, what are the religious aspects of this state of things? Answer: The whole matter is religious. If religion, if good-will cannot be imported into the questions that vex the nations, there is naught ahead but trouble. Nothing but religion will afford help. The bewildered times teach us, too, that patience is a virtue that must be learned and practiced. You cannot introduce the kingdom of God by the methods of the efficiency expert. It consumes time and faith and sacrifice and, it may be, tears and death.

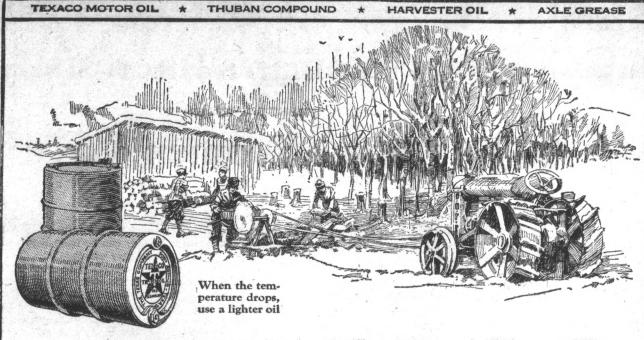
In an hour as serious as the present it is evident that we require a big God. And such a God we have. There are some vital things to be said concerning the method of bringing in a better day, which can be taken up at another time.

Sunshine Hollow Items By Rube Rubicon

When some Sunshine Hollow folks get their picture taken they always look sort of sad and say they don't think it is very good. This is done so they will seem modest. But it seems kind of conceited not to like what the photographer has done when he has done his best with the material. When folks get their picture taken and it don't look like them they sometimes think it is a fine picture. When it looks like them they are sore. But Porter Greenwood says what's the use of getting a picture taken by a photographer that can't make a feller look better than he really does.

Timothy McCann came home very discouraged and hung himself to the bed post. The jury decided that Timothy went to bed full and mistook himself for a pair of pants. Folks said that Timothy was a poor prune anyway and probably did it just to make folks feel bad and feel sorry for him. Real estate folks say the McCann house won't sell for much money now on account of its being sort of haunted in the room where the bedstead

Aunt Catherine Selby says that men are deceitful and that's why she never married any of them. She knows a man that came home late and told his wife it was twelve o'clock. Just then the clock cuckooed three times and that man stood in the hall and cuckooed nine times more to fool his wife.



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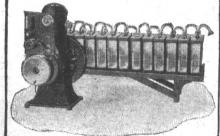
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Woman's Interests

Some Women Love to Over-do

of late I am coming of the opinion up as soon as they can toddle? that much of my sympathy has been ed if she didn't enjoy it.

lated by friends and neighbors.

Now, mark me, I am not denying that some women are actually called upon to do work beyond their strength. There are all too many of these. But side by side with them are women who need not do half the things they are doing. And it is usually the class which makes all the fuss. The really over-worked woman keeps on grinding and says nothing. She hasn't time to complain.

Just the other day a case came up which shows how some women overdo. It was in a farm home where the garden patch, and takes things easy, lower this year than last. to suit his years. Mother still thinks she must dig and delve from five in the morning until eight at night. This is what happened a short time ago. A married daughter, thinking to make mother's lot easier, came home on Monday and cleaned the house from top to bottom, swept, dusted, scrubbed kitchen and cellar stairs, and left everything in apple pie order. On Wednesday, after a lapse of exactly twenty-four hours, mother repeated the operation. Not the slightest use of it, the house was clean.

Of course this is an exceptional case, and might be laid to the score of childishness in an old woman. But old women are the natural result of their habits as younger women. Our old age is merely the outcome of all our previous years. If this woman had not always been doing unnecessary things, she would not in her old age.

Then there is a young woman, who is even more foolish. She has not been well for weeks. Two months ago she went to a physician who found a weak heart, and not only advised, but commanded rest. She came home and started house cleaning, carried mattresses down stairs, beat rugs, washed woodwork and windows, all work too heavy for any woman but the strongest. Her plea was that if she should drop dead some day she wanted to be found in a clean house.

These things may seem rare and exceptional, but they are not so exceptional as one would think. Scores of women do unnecessary things every day, because "everybody does it." Why dry dishes, when scalding water is easy to get, and more sanitary than towels? Why iron knit underwear, Turkish towels, face cloths, stockings?
Yet countless women do it, and have to trudge back and forth to a hot stove ler collar gives added warmth.

This 'suit of ribbed wool velour is especially appropriate for the high school or college girl. The snug muff-to trudge back and forth to a hot stove ler collar gives added warmth.

HAVE always felt the deepest sym- after irons. Why pick up after chil- rest is better than no rest. pathy for over-worked women, but dren, when they can be trained to pick

wasted. Not that the over-worked wom- girls and boys do every bit of their ies, or cookies and doughnuts at one an doesn't exist, but that in all too work, because they'd rather do it than meal? And why cookies and cake and many cases she need not be overwork- be bothered teaching children? Or be- pie? The family health would be betcause they think the children ought to ter for plenty of fresh vegetables and In fact, I am forced to the reluctant play all the time? Why should a girl fruit and only one baked sweet. And conclusion that a large number of of twelve, or even of eight, do nothing the mother would have less to do. women enjoy the martyr role. They'd but go to school and play? She should only ten minutes a day in time, that working too hard.



would be worth while. Ten minutes'

In the matter of cooking, how many women make slaves of themselves? How many women with good-sized What family needs two kinds of cook-

There is plenty for women with famrather be miserable than to have a not be made a drudge, she needs fun, ilies to do, if they do only the necesgood time, and they go out of their and plenty of it. But it wouldn't hurt sary. Fortunately the modern woman way to hunt up something to do, so her to dust the living-room, or clear is coming to distinguish between necthey can groan about it to friend hus- the table, or dry the silver. And she'd essities and frills in work, but all too band, and outdo the stories of woe re- like nothing better than to be allowed many still cling to the frills. If you to make a cake. If the mother gains are one of that sort, don't complain of

Fall Fabrics and Modes

YEXT to the problem of what as women's garments are concerned, name, some masquerading under new. To be sure, you can buy cheap suits Soft velvety fabrics, peachbloom,



As to color, brown is strong, a chocshall we eat, what shall we wear olate brown having high favor. Then occupies the waking thoughts of there is a new deep rich green, called the normal woman. A careful look by some pine needle green, bluesabout the stores does not show any midnight and Pekin-gray and all our of that promised drop in prices, so far old standard colors, some in their own

and coats, but they are cheap in qual-duvetyn, bolivia and velours, are choschildren are married and gone, and ity as well as in price. The fact re- en for coats, suits and even some dressfather and mother live on alone. Fath- mains that if you want good material es. Coats are not so much different er has sensibly let the land, all but a and workmanship, the prices are no from last season's. They are loose, shawl collared, and belted. The chief difference is in the position of the belt. This season the waist line is low, so the belt must be placed down. Often they are buckled with metal buckles the color of the coat. String belts an inch in width go twice around the waist and tie.

> Suits are distinguished by long, straightlined coats, with the low waistline. High choker collars are good, of self material or of fur. Buttons match the color of the suits, and are often in groups of three or four. The same soft materials which make the coats, are used in suits.

> Of blouses, the style is legion. There are over-blouses, and blouses which end at the waistline and are confined by girdles, Russian blouses and surplice blouses. For the most part the sleeves are short or three-quarter, though occasionally there is one with long sleeves. There are round necks, square necks and V-necks, necks with collars and necks without. Of course, there is embroidery. And there are blouses of plain georgette, and figured georgette, blouses with velvet bodies and georgette sleeves. You are pretty safe in choosing anything becoming.

> The new hats are a little larger than last season. The small turban which has had a long lease of life is on the wane. There are velvet hats with wide brims or turned up brims, hats swathed in feathers or with a simple band of ribbon, according to the use you are to make of it. Embroidery of gold thread or of riotous colors is as good in millinery as on garments.

Then there is the ever-important question, the length of the skirt. If you are extremely frivolous you can have your skirt twelve inches from the ground. But if you are conservative and still want to look "right" make it eight.

WHAT MILK DOES FOR KIDDIES.

THE school nurse in one Missouri town weighed and measured all the children in the first four grades, finding only fifteen per cent of them normal. Of the eighteen hundred children, forty-eight per cent, or eight hundred and sixty-four were ten per cent or more below normal. Following this work the nutrition specialist from the university talked to the mothers about food for children.

In order to reach other mothers and convince them of the value of milk in the diet for children, the home demonstration agent acting under the direction of the specialist secured the cooperation of the teachers to carry out an experiment, using fifteen children who were decidedly underweight, for the purpose. The teachers agreed to see, that each of the fifteen children should have a half-pint of milk at each recess, and to weigh and measure each child once a week.

The agent also found a dairyman who would deliver the milk at school each school day, the children going to the home of the school nurse on Saturday and Sunday. A local newspaper explained the object of the demonstration and solicited funds to carry it out. This brought a contribution of \$50 from the Rotary Club and \$17 by private subscription.

The mothers of the children to be used must be seen and their sanction and cooperation secured for the proj-This was done by the school nurse and home demonstration agent. The visits to the home gave insight into the home life and enabled them to understand conditions.

At the completion of the experiment which was carried on for six weeks, it was found that each child had gained from one-half to five pounds. A father who had said before the experiment was started that he was in favor of it, if it would make his little son fat, made a trip to school to report how pleased he was because his boy had gained four and a half pounds in spite of being sick a part of the time, during which period the milk was carried to him. A new class that purchase the milk used has been formed, and this boy's father gladly pays for milk used by the child.

The principal reports that the attendance was more regular and the work better; and that milk drinking has become quite popular, not only among the children but the teachers, too. The dairyman does a thriving business at

RED CROSS ROLL CALL.

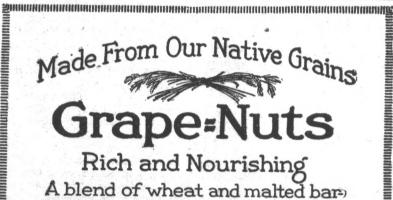
THE Fourth Annual Roll Call of the American Red Cross will be held from November 11, Armistice Day, to Thanksgiving Day, November 25. No specific sum is fixed to be raised within this period. The roll call is not a drive. Just as its name implies, it is the mustering of all who joined forces last year with the Greatest Mother in the World, in the common cause of humanity. Your name and your dollar, pledged again in her service, means that you will be among those recruited in the great health crusade of the Red Cross, the peace-time slogan of which is Public Health Service.

HOUSEHOLD HINTS.

The thin strips in the front of openfaced envelopes much used nowadays by business firms are excellent for mending torn places in sheet music or books.-Mrs. M. N.

Do not throw away the tops of old shoes: They make excellent interlinings for iron holders. Make the holders oval in shape, and both cover and lining the same size. Stitch them firmly around the edge by machine. Mrs. J. J. O'C.





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Additional Poultry Ads. on Page 619

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Our Boys' and Girls' Page

Gogebic Boys and Girls Win Honors

Wisconsin.

boys form a live stock judging team to trip. The huge bonfires at night and

VITH the organization of the peninsula. Considerable difficulty was Junior Guernsey Breeders' As- found at the close in arranging for the sociation of Gogebic county in automobile trip to the experiment stathe spring of 1920, an interest was tion for the boys, but their earnestness kindled in a goodly number of the and their eager desire to attend and young fellows on the farms for the pos- take part in the big contest so appealsession of something they could call ed to the county agent that he desired their own. Ten boys from various sec- to take the boys in his car in prefertions of the county came together in ence to several of the farmers, who for the office of County Agent Gunderson a long time had planned to attend with upon receiving letters asking them if him. Just before starting, it was found they would be interested in the organ-ization of a pure-bred live stock asso- erickson, would be unable to attend ciation. The subject was discussed because of an important position which pro and con and the boys decided to he had recently accepted, so the three get together. Shortly thereafter, sev- boys to go were Leonard Nylund, Carl eral of these boys became owners of Johnson and Luther Olson. The trip pure-bred heifers from some of the in itself was a great treat to the boys highest milk producers in the state of and of no little educational value as they were keenly observing of farm At the time of the organization of conditions along the entire route. Upon the cow-testing association in this arriving at Chatham, they were taken county by Mr. J. A. Waldron, live stock in charge by the assistant state club judging demonstrations were held in leader, Mr. A. G. Kettunen. The envarious communities. These boys have campment of one hundred boys on the evinced their keen interest by attend- banks of the beautiful river coursing ing all such meetings. About thhe mid- through the experiment farm was thordle of July, Mr. A. G. Kettunen, Assist- oughly enjoyed by all the boys and ant State Club Leader, urged that the was in itself well worth the work and



Left to Right the Boys Are: Leonard Nylund, Luther Olsen, Carl Johnson.

Johnson and Walter Johnson attend- joy was unbounded. ed the training school which was held In addition to having thus highly on various farms throughout the coun-honored themselves and their county, ty. Most of their time was spent in one of the boys, Carl Johnson, for scorjudging Guernsey and Holstein cattle. ing the highest number of points in The boys met on the farms of Henry the entire live stock judging contest, Nylund, Charles J. Olson, of Ironwood received as his prize a pure-bred Holtownship, and L. J. Anderson, of Bes- stein heifer, the great-grand-daughter semer township. Some attention was of Duchess Skylark Ormsby, one of the given to the judging of sheep and hogs. highest producing cows of her breed. Keen interest was manifested by the The boys are jubilant over their vicboys for the contest at the round-up at tory and their interest in producing Chatham. The boys felt sure from better stock upon the home farms is time to time of their ability as judges doubly increased. and were becoming more eager daily Upon leaving for Detroit, the boys to pit their combined judgment against were joined by Fred Olson, of Bessethat of the club teams of the upper mer, another club boy who had gained

compete with the boys' live stock judg- the stories told around them by the ing teams at the Upper Peninsula club leaders will not soon be forgotten. Farmers' Round-up, held at Chatham, The climax of it all came on the last Michigan, August 12. The original in-day of their stay at the experiment tention was that a judging team would farm, when the boys took part in the be trained for the contest out of which big contest for which they had prethree would be chosen to represent pared. Three groups of boys judged them at the round-up. Clarence Fred- alternately the cattle, sheep and hogs, erickson, the president of the organi- and when, in the afternoon it was anzation, Luther Olson, vice-president, nounced by Superintendent D. L. Mc-Leonard Nylund, secretary, and Onnie Millan at the public speaking stand in Kangas, treasurer, started training un- the grove, that the boys of Gogebic der the direction of the county agent, county had won out over the club boys About this time, unfortunately, an in- of nine other counties competing in jury to one of the ambitious boys, On- the contest, they were called on the nie Kangas, prevented his continuing platform in order that the assembled in training, so two other boys, Carl farmers might see the winners, their

a free trip to the state fair because of his scholarship in agricultural matters. There boys from five districts in the state of Michigan assembled to engage in the contest. Numbers were given, no names being known. The live stock to be judged were Holsteins, Shorthorns, Duroc hogs and Shropshire Carl Johnson, of the Gogebic County Live Stock Judging Team, was high man with six hundred and three points to his credit. For this splendid achievement, Mr. Johnson receives a free trip to the International Live Stock Show to be held in Chicago November 27 to December 4.

Starting with Pure-bred Stock

By Walter E. Ball, One of the Michigan Boys Who Won a Trip to the National Dairy Show at Chicago.

ANY young people are starting with pure-bred live stock today. The greater number of the young people get their start through the aid of live stock clubs, backed by banks of the vicinity.

Some young people are starting with pure-breds without the aid of clubs, but where there are no clubs the majority of young people start with grade animals.

A club in these neighborhoods would start the young breeders with profitable pure-breds instead of unprofitable grades.

The grade animals more often prove money-losers instead of profitable individuals. The cost of pure-breds often makes the beginner wait longer than he would if grades were bought. But which is better: to start with a grade dairy cow costing \$75, and who barely pays her way, or a pure-bred costing \$400 and making a net profit each year of from \$75 to \$200; or to start with a grade sow whose litter must be sold on the market at grade prices and whose feed costs more than their value, or a pure-bred whose pigs can be sold as breeding stock at weaning time at a large profit, or fed for the market with a profitable gain.

The young breeder who started with the \$400 pure-bred can have a very profitable herd built up in a few years, while the boy starting with the \$75 grade has a herd whose loss equals the gain.

With pure-breds improvement in the herd can be made by keeping only the most profitable animals of most desirable form or conformation. With purebreds the young breeder can work toward the ideals shown by the animals, of his respective breed, that are the leading animals in the show ring and who have the best records of production.

The young breeder who has the grades can also build up his herd but he can never reach the standards pos sessed by the pure-breds who have been improved since the starting of the breed.

The young breeder who owns the pure-breds will join the association of his respective breed. He will there Effies Lass 238203 sold on May 6th for ers. There will be discussions of live stock questions, and many hints and suggestions will be given. He will likely look over the herds of his fellowfellow does things.

And in cooperation with his fellow breeders he will become more widely known and will have a better sale for his surplus stock. If he shows his best Supervision. stock in the local or state fair he will come to be known as one of the enterprising men of the country, who devotes his time to the profitable side of agriculture and who has advanced views on farming.

Pure-breds cost more on the start, but if one is a good caretaker, and does his best for the bettering of his breed, he will be ahead of the fellow who owns grades in money, enterprise, and advanced methods of farming.

For Sale Registered Guernsey bulls. May Represent the process of the part of taken soon Come write. John Eboss R, 2 Holland, Michigan. advanced methods of farming.



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OUR HERD SIRE Model King Segis Glista

By a 30 lb. son of Lakeside King Segis Alban De Kol. His dam Glista Fenelle 32.27 lbs. Her dam Glista Ernestine 35.96 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 bis sons.

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

Superior Holsteins

Bulls all sold but are now booking orders for our expected fall crop of **Bull Calves**

sired by my new herd bull, a grandson of

May Echo Sylvia My sire's two nearest dams average over 35 lbs butter and 800 pounds milk in seven days.

A. W. COPLAND

Mich. Birmingham. Herd under state and federal supervision

Holsteins of Quality

for sale. Heifers from 8 to 24 monts old. All registered and sold subject to tuberculin test.

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

"Top Notch HOLSTEINS

Buy a "milk" Bull of Quality from the Breeders of the world's only cow to produce 800 lbs. milk in 7 days, having an 800 lb. daughter.

Bull advertised last week was bought quickly by an Allegan County Dairyman.

Here's another "Top Notcher":—

King Colantha Genieve Pietertie,

No. 272177, Born Feb. 3, 1919.

Sire's dam a 30 lb. cow with a 31 lb. daughter,

who has a 31 lb. 4 yr. old daughter.

Bam's 1ecord:—Butter 7 days 23.26 lbs. at 4 yrs.

Dam's sire's three nearest dams average 30.87
lbs. butter in 7 days. Color: about half and half.

Price \$150.00 f. o. b. Howell,

McPherson Farms Co.

All herds under U. S. Supervision.

All herds under U. S. Supervision

Mr. Dairy Farmer, Mr. Holstein Breeder Meet KING FLINT

ALL THREE are working to a common purpose—to in-cease the production of Michigan Dairy herds. We believe all three should work together. We feel sure that no Michigan bull has ever been better

quipped for the work.
We have it on high authority that there are none better individually.

individually. His three nearest dams each averaged to produce 100 lbs. butter and 2100 lbs. milk per month for a full lactation period with an average of 3.8% fat.

His dam is one of Michigan's greatest family—three full sisters that have produced over 30 lbs. butter in seven days, two of them producing over 700 lbs. milk, and two of them producing more than 1000 lbs. butter and 21000 lbs. milk in ten months.

ten months.

His sire is the direct descendant of three generations of 30 lb. cows and two generations of 1200 lb. yearly record cows.

His first three sisters to enter yearly test will each produce more than 800 lbs. butter and 17000 lbs. milks

Let King Flint Help You Improve Your Herd Through One Of His Sons

A son of this great young sire suited to head an herd in Michigan, grade or purebred, can be secured in Genesee County and we want them all to stay in

in Genesee County and we want them all to stay in Mirhigan.
Write us about your herd, tell us what you need and what you feel you can afford to pay and let us help you find just what you want in Genesee County, the center of Michigan's long distance dairy cattle. Elmcrest Stock Farm Genrida Farm

G. L. Spillane & Son Co Clio, Mich. A Good Note accepted in payment of finely bred reg of the best, and at prices within reach of all. Witte GEO. D. CLARKE.

Hatch Herd Ypsilanti, Mich.

(In Government Accredited list) offers young reg-istered sons from 34 lb. King Korndyke Sadie Vale bull for \$150 to \$250.

Cluny Stock Farm

Offers the best selection of young bulls from 8 to 12 months we ever raised; out of dams up to 29.76 for aged cows and over 26 lbs, for 2 yr. olds. Yearly records up to 24000 lbs, milk and 1000 lbs, butter. Sired by our Senior Herd Sire, Maplecrest Application Pontiac, whose dam made 35 lbs. butter in 7 days and 1344 lbs. butter and 23421 lbs. milk in a year, or by Dutchland Konigen Sir Rag Apple, our Junior Herd sire, whose dam is a 30 lb. 10 yr. old maternal sister of Dutchland Colantha Denver who made 36 lbs. in 7 days and 1315 lbs, butter and 2541 lbs. milk in 1 year. Several carry the blood of both these sires.

They are extra well grown, straight and right. One

They are extra well grown, straight and right.
of these at the head of your herd is bound to incre
production. Send for pedigrees and prices.

R. Bruce McPherson, Howell, Mich.

\$75 gets 6 weeks old gdson of Maple Crest Korn Heng. Salina 27.09 butter 561.2 milk in 7 days. Call's dam is my best untested cow. Terms. M. L. McLaULIN, Redford, Mich.

Reg. Holstein-Friesian Bulls ready for service and priced to sell. Light in color and richly bred.

B. B. REAVEY, Akron, Mich.

EREFORD

We want 25 heifer calves from our herd built RENNER BULLION. We will buy part of them from you, if you buy cows from us. We will give you a contract to buy back the heifer calves from the cows you buy from us, at \$150.00 each.

Correspondence Solicited.

COLE & GARDNER,

SIGNS OF THE TIMES.

ALL the price indexes, those pecuure the cost of living and general price trends have declined sharply during the last few months. Unfortunately a good many of them are based largely on wholesale prices or on raw materials so that they may give a distorted notion of what has actually taken place as in a declining market the consumer may not notice the effect for several months after prices to the producer have been cut. The British and Canadian indexes are declining as well as those in the United States so that the tendency is world-wide.

If misery loves company, then farmers who have been hard pressed to meet creditors as a result of price declines can find consolation in the fact that the number of business failures is gradually increasing. The September number was only slightly greater than for August but the liabilities involved increased over one hundred and fifty per cent over August and were only \$20,000,000 less than for the entire year of 1919.

Since wage reductions usually trail behind price declines, it is suggestive of our present business position that wages have been reduced in a few instances, mostly in cotton and woolen mills where it was a choice between mill shutdowns and accepting lower wages.

In the middle west reports show even greater declines in employment. This means a reversal of the trend of labor to the industrial centers which presently should relieve the farm labor problem.

HOW TO FEED STRAWS.

ALL the straws contain large quantities of nutrients, but on account of their unpalatableness and low digestibility, only a comparatively small proportion of the nutrients is of use to the animal. Many suggestions have been made for increasing the palatableness of straws and making them more digestible. The former object is sometimes achieved by chaffing the straw and mixing it with pulped or cut roots in the proportion of one part by weight of chaff to nine parts by weight of roots. The mixture should be allowed to stand for at least twelve hours before it is fed to stock. The straw absorbs water from the roots and the fermentation which results warms the mixture and softens the straw. No doubt that treatment makes the straw more palatable, but, so far as it has been possible to ascertain, there is no evidence that its digestibility is increased. As the season advances the straw and the roots get dried, the chaff may be moistened with treacle (molasses) mixed with warm water and sprayed on with a watering can.

For horses getting all their bulky food in the form of straw it is a good practice to add seven pounds of linseed cake per horse per week. This is mashed in a tub of water. When the cake is thoroughly softened it is stirred up, and the liquid used to moisten the chaff. The mixture is Milking Shorthorns of best Bates breeding, Mulking Shorthorns of best Bates breeding, moisten the chaff. The mixture is readily eaten, and gives good results.

Another method is to sprinkle the chaff with salt at the rate of one bushel per ton, and to sandwich thin layers of cut green stuff amongst the chaff when it is put in the chaff house. Late cuttings of seeds, or almost any green stuff, or pulped roots, at the rate of one hundred pounds per ton of chaff will answer the purpose. The mixture should be well trodden down, and a slow fermentation will result. After standing some weeks or months the mixture develops a pleasant smell, and is readily eaten by any kind of Fine Registered Berkehire pies for sale, stock.—M, M. Hudson, Mich. stock.—M. M.

Dairy Cow

is the commission house through which the dairyman markets his produce. His profits depend upon how cheaply his produce is handled.

The Jersey is noted for her economical production. She has demonstrated it in every competitive test.

Write Sec'y Henrickson, Shelby, Mich. for free Jersey literature.

Herefords Double Disturber bull at head of herd, Offer 5 2-yr. olds, bred, 9 yearing and 5 heffer calves. Fairfax breeding. Bulls any age. EARL C. McCARTY, Bad Axe, 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 FARM,
Silver Creek. Allegan County, Michigan.

JERSEY BULLS Ready for service. Raleigh, Oxford Lad, Majesty breeding. Meadowland Farm, Waterman & Waterman, Packard Rd., Ann Arbor, Mich.

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

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

Lillie Farmstead Jerseys 2 R. of M. bull calves, one year old this fall.

C. C. LILLIE, Coopersville, Mich.

Jersey Bulls from R. of M. dams \$75 to NOTTEN FARM, Grass Lake, Mich.

Bloomdale Shorthorns Why use scrubs when you can buy a registered bull for \$100 We have two at that price. Also some good females. CARR BROS. & CO. Bad Axe, Mich

The Maple's Shorthorns Kirklevington Lad, by Imp. Hartford Welfare. In service bulls, for sale.

J. V. WISE, Gobleville, Mich. Milking SHORTHORNS. Clay bred bull calves Herds under Federal Supervision. Dayidson & Hall, Beland & Beland, Tecumseh, 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-out herd bull by Red Cumberland priced right. H. J. FLOWER & SON, Mile, Mich.

SHORTHORNS You Can Buy

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

BIDWELL STOCK FARM, Tecumseh, Michigan

Richland Shorthorns

Imp. Lorne, Imp. Newton champion and Sterling Supreme in Service. We offer Sterling Supreme in Service. We offer for quick sale: Five Scotch Bulls, best of breeding. Three whites at \$1000 each One roan at \$500, one red at \$400. No females for sale. Public sale Chicago Oct. 28th.
C. H. PRESCOTT & SONS,
Tawas, City, Mich.

Shorthorns Good Scotch bred bulls, cows and heifers priced right,
W. B. McQUILLAN, R. 7, Howell, Mich.

M EADOW Hills Shorthorns. Herd headed by Sildue University's great sire. For sale females of alages, a few young bulls. Geo. D. Doster, Doster, Mich.

For Sale Several young bulls, sired by Sultan's Stan-r dard. A few heifers and cows. Prices reasonable. Branch County Farm breeders of American Polled Shorthorn cattle. C.E. Burdick, Mgr, Coldwater, Mich.

Milking Shorthorn 3 mos. heifer calf \$125 bred heifers and serviceable bulls at farmers' prices. Central Mich. Shorthorn Asso. Oscar Skinner Sec. Gowen, 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.

1.

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

Reg. Red Polled Bull calves for sale, from 3 mos. to grand son of Charmer 1999 International Grand Cham-pion. WESTBROOK BROS, Ionia, Mich.

HOGS

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

TUBERCULOSIS AND ROUP.

I have had trouble with my old hens dying off. They first seem to get lame and gradually fall away. Although they appear to eat, they lose weight, and in the end there seems to be nothing left of them. Others I have had to kill because their eyes seem to swell shut, resulting in blindness. What is the cause, and what remedy would you advise? would you advise? Ingham Co. B. F. G.

When hens become lame and lose weight it is a sign of tuberculosis. Make a post-mortem examination and see if the liver is covered with small greyish-white nodules. This is one of the sure signs of tuberculosis. When this disease enters a flock it pays to kill the birds and disinfect the house and yards. Then new stock can be obtaineed from a healthy flock. If there are many birds or the flock is very valuable it will pay to have a veterinarian inspect it and determine which of the carcasses are fit for food. Any bird suspected of having tuberculosis should be removed from the flock at once as the disease can spread rapidly and cannot be cured.

When hens' eyes swell shut it is usually roup and this disease is also contagious and so difficult to cure that the general advice is to kill and burn the bird as protection to the remainder of the flock. Roup is usually the result of a simple cold which has been neglected. It is possible to cure a cold by the use of carbolated vaseline or menthol salve. The commercial coal tar disinfectants and roup remedies are also useful in stopping a cold before the eyes swell shut and the bird becomes a hopeless case. It does not pay to try and cure birds ill with roup as it takes a long time. Birds that seem cured may carry the disease to healthy members of the flock .- K.

BLACKHEAD IN TURKEYS.

Can you tell me what to do for my turkeys? They get mopy and hang back, do not eat or drink like the well ones. Their droppings seem somewhat thin, white and yellow, the yellow being quite bright. I have lost two. I opened one and found the liver covered with what I suppose would have developed ulcers; some were all yellow, some looked just like yellow, some looked just like yellow threads running through and the liver was covered with them, some clear yellow and on the side next the gall, a green color. The head gets quite dark. I lost some the same way last year and we thought it might have been caused by eating new corn. Last year they by eating new corn. Last year they were sick some time before they died, but this year two that died were sick but a few days.

Jackson Co.

Blackhead is a disease of turkeys which has nearly ruined turkey raising in some sections. It is spread by the droppings of sick birds contaminating the food and water used by other birds and then the germs enter the ceca and the liver of the healthy birds and the BROOKWATER FARM degeneration begins. Infected birds lose their appetite, the wings droop H. W. Mumford, Owner J. B. Andrews, Mgr. and there is a greenish-yellow diarrhea. It usually occurs in turkeys from a month to a year old and the bird dies in from three to ten days after the first appearance of sickness: It is called blackhead because the head often turns purple, but there may be cases of the disease when this dark color of the head is not noted.

Sanitary measures on the range and in the roosting places help to keep down the disease. The feeding of plenty of sour milk helps to keep the intestines in healthful condition and thus more resistant. Tablets made as follows are sometmies recommended: Sodium sulphocarbolate, seven and a half grains; calcium sulphocarbolate, seven and a half grains; zinc sulphocarbolate, fifteen grains. One tablet is dissolved in a quart of water and mixed with the mash or given as drinking water.

Wise handling of the flock will increase the number of winter eggs.

ou get More Milk ryour Money Back

No matter how much milk your cows are producing on their present ration—Larro-Feed must make them produce more or your money back.

That is exactly what the Larro guarantee means to youmore milk or your money back.

The one way to put your dairy on a business basis is to find out exactly how much you are feeding each cow and exactly how much milk she is giving.

Weigh Your Feed-Weigh Your Milk

This has been our advice to dairymen for eleven years—it is the secret of the success of the men who feed Larro. They know just what they are doing and they have learned that it' not how much a feed costs but how much milk it produces that is important. That the feed which makes the most profits is the cheapest feed they can buy.

Write for names of Larro users in your neighborhood and the name of the dealer nearest you.

The Larrowe Milling Company 502 Larrowe Bldg., Detroit, Mich.





Brookwater Duroc Jerseys

BOARS—Ready for Service

Big type,large bone and rugged with plenty of qual-ity. This is your chance to buy high class individ-uals at reasonable prices.

Open Gilts
of choice breeding and right type. Panama Special,
The Principal 4th. Orion Cherry King, and Great
Orion families. Now is the time to buy before the
demand takes all of the good ones.

Write us for Prices and Pedigree Mail orders a Specialty. Satisfaction guara

ANN ARBOR, MICHIGAN

BLUE HOGS. Large, growthy and prolific. Everybody ii kes them. Write for booklet Mention this paper. The Blue Hog Breeding Co., Wilmington, Mass.

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. UNDERHILL & SON. Salem, Mich.



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

For Sale Duroc Jerseys of the big heavy boned type.
CHAS. BRAY. Okemos, 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.

St. Johns, Mich.

DUROC Boars Ready for service, sired by the fol-lowing boars. Brookwater 'Demonstrator, The Principal 19th, Panama Special 4th, Walts King and Oakwood Gold Stamp. Prices 540 and up. Come and make your selection early, mail orders carefully se-fected. Rush Bros., Oakwood Farm, Bomee, Mich.

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

Duroc Boars ready for service. Sired by Jacks Cherry Orion King number 169259 son of the \$18,000,00 Champion Jacks Orion King 2ndiall large type and heavy bone out of good sows.

THE JENNINGS!FARMS, Bailey, Mich.

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Born Sept. 12. Registered in buyer's name. Write for prices. FRED J. BROWN, Quincy, Mich. Duroc Jerseys Boars Boars of the large heavy bonned type at reasonable prices. Write or better come and see F. J. DRODT, Monroe, Mich.

DUROC JERSEYS Carey U. Edmonds, Hastings, Mich.

DUROC JERSEYS Boars and gilts by Mich. Pathfinder. E. D. HEYDENBERK, Wayland, Mich.

PLEASANT View Durocs. Choice spring boars and gilts. Come and see or get our price before buying. W. C. BURLINGAME & SON, Marshall, Mich.

\$12.00 for a Duroc-Jersey fall pigi6 weeks old, and registration papers free. M. A. O. Brookwater breeding. D. W. SUTHERLAND. Gd. Ledge, Mich.



HAVE started thousands of breeders on the road to success. I can help you. I want to place one hog from w greet herd in every community where I am not already rep-sented by these fine early developers—ready for market at alr-cenths old. Write Jor my plan—"More Money from Hoge." G. S. BENSAMIN, R. F. D. 10. Portland, Michigan

Big Type Chester Whites by Wildwood Jr.
2nd. Hill's Big Bone. Col. Wykoff. Smith's Chair and
Champion X Jr. and out of good big dams. Cholera
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0.1.C's choice spring pigs either sex. Booking order for fall pigs. We register free and ship 0.0 D. A. J. BARKER & SON, Belmont, Mich

Look for Miller Meadows L. T. P. C.'s at Marshall Calhoun Co. Fair, Sept. 21-25.
CLYDE WEAVER, Ceresco, Mich.

O. I. C's Fight young boars and spring pigs CLOVER LEAF STOCK FARM, Monroe, Nich.

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

DR. H. W. NOBLES, Sales Mgr. Coral, Mich.

For Sale O. I. C. Swine, Strictly Big Type with good boars and gilts left of same type and blood lines, that won for askat Ohio and Michigan State Fairs. Priced very cheap. Write us before you buy.

NEWMAN'S STOCK FARM,

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O I, C's. One last fall boar wgt. 425, two last fall rights, bred lots of spring pigs and this fall rights either sex, good growthy stock ½ mile west of Depot. Citz's. Phone 124. Otto B. Schulze. Nashville, Mich.

O I. C's June and July boars and open gilts. Recorded and express paid for next 30 days each one a guaranteed feeder. F. C. Burgess, R.3, Mason, Mich.

O. I. C. Serviceable boar's. A few extra good boars at farmers' prices.
H. W. MANN. Dansville, Mich.

Big Type P. C. Bred gilts, Fall yearlings, prize winners, out 1100 lb. sire and mammoth sows from Iowa's greatest herds. E.J. Mathewson, Burr Oak, Mich. O. I. C's 2 March boars \$40 each. Fall pigs by C. C. Big Calloway.
C. J. THOMPSON. Rockford, Mich.

Large Type Poland China Boars. Ready for service. Fall pigs both sex.
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Closing out sale of big type Poland China hogs, which represents the work of 25 years of constructive breeding. Everything goes; including our three great herd boars, "Mich. Buster" by "Giant Buster". "A Giant" "Butler's Big Bob," Two of the best yearling prospects in Michigan great length, big bone, Come get your pick. Jao. C. Butler, Portland, Mich.

POLAND CHINAS W. J. HAGELSHAW, Augusta, Mich.

SPECIAL prices on Fall, Winter and Spring Large type Poland China's spring boars ready to webber BROS., R. 2, Royal Oak, Mich

DOUBLE DISPERSION SALE

H. CHRIS. HANSEN FARM 21 Miles Northwest of

LANSING, MICH.

THURSDAY, NOV. 24, 1920

41 Registered Holstein Cows and Heifers 41

Complete dispersion of the H. Chris Hansen Herd, including several daughters of Model Glista King Segis, a 35-lb. grandson of King Segis and 9 cows and heifers in calf

This herd is under State and Federal Supervision and is clean.

Complete dispersion of the A. E. Chase Herd. Having lost his buildings by fire, Mr. A. E. Chase, St. Johns, Mich., will offer his entire herd at the Hansen Farm at the same This herd of 24 females is headed by a brother of the \$100,000 sire King Ona, until recently at the head of the D. D. Aitken herd, an excellent individual with the best of yearly backing. Six daughters of this sire and 14 in calf to him will be sold. This herd is fully accredited.

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Thursday, Nov. 18, 1920 CHARLOTTE, MICH.

at Eaton County Fair Grounds, 1 P. M.

35 head of high class cattle. 20 cows with calves at foot. A few yearling and two year old bred heifers and 6 yearling bulls. This is an offering of good well bred cattle, just in pasture condition. The kind that will make good. We ask the breeders of Michigan to be with us and lend their support and cooperation.

Bulls in service:

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Calves are by and cows and heifers bred to these good

H. C. Potter and Jay Harwood

Ask for Catalog

Poland Chinas

Spring boars and gilts from the Sr. Champion boar at the State Fair at Detroit this year also Grand Champion at West Mich. Fair at Grand Rapids weighing 1025 lbs.

If you want something that will give you satisfaction let us sell you a boar or gilt.

ALLEN BROS., Paw Paw, Mich.

L. S. P. C.

Everything sold previously ad 25 spring pigs placed on the bargain counter for mo. of Sept. pairs or trios not akin. H. O. SWARTZ, Shoolcraft, 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.

L. T. P. C. We have a large number of spring and summer pigs ready to ship sired by such boars as "Hart's Black Price," "Leonard's Big Bob," the "Model Clansman" and "Prospect Yank" a great son of the \$40,000 Yankee. Write for prices or come and look them over if you are in the market. HABT, FULCHER & CLINE, address F. T. HART, St. Louis, Mich.

Poland China Special pig stred by Hover's Glant 129275, and from our best sows are the best we ever offered. Write for particulars. Akron, Mich.

6 boar pigs best I have raised in my 15 years of breed-fing sired by Big Bob Mastodon a son of the world's champion. Price 550 and 50 fall pigs send orders now. O. E. GARNANT, Eaton Rapids, Mich

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

My! Oh My! What An Opportunity We are now offering a few choice big type Poland China Boars, from Big Smooth Jones, one of the breeds best sires, from dams by such noted sires as Grand Master, Hillcrest Wonder, Mastadon Wonder and Hillcrest Bob.

You can't get better breeding. Individually they will please you. Price \$500.

HILLOREST FARM, Kalamazoo, Mich.

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

BARGAINS on Big type spring and summer Poland China Pigs also yearling Shorthorn bulls, bull and heifer calves. Robert Neve, Pierson, Mich.

Spring boars, fall pigs and tried sows, quality, and breeding unexcelled. Guaranteed. Hampshire Square Deal Farm, R. 1. Three Rivers, Mich.

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

HAMPSHIRES spring boars and fall pigs at a bargain, book your order now for bred gilts' JOHN W. SNYDER, R. 4, St. Johns, Mich.

SHEEP.

Delaine Rams B. & C. type, having size, quality, best of breeding, priced to sell, write.
S. H. SANDERS, R. 2, Ashtabula, O.

FOR SALE Registered Delaine Rams, & WRIGGLESWORTH, Cohoctah, Mich.

FOR SALE 10 Black Top Delaine Merino Rams registered, J. MEACHAM, R. 2, Millington, Mich.

WHITTUM FARM SHROPSHIRES A fine lot of imported and house bred yearling ewes and rams for sale. A fine chance to start a new flock or improve the old one call at the farm or write

for just what you want.

C. H. WHITTUM, Eaton Rapids, Mich. 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.

FOR SALE 35 Registered Shropshire yearling rams and ram lambs. Also some choice Duroc Jersey boars and gilts.
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Shropshires Yearling and rams, with quality, from imported stock.
W. B. McQUILLAN, R. 7, Howell, Mich

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Registered Shropshire Rams and ewes all ages for well-wooled with size and quality. Priced to sell. H. F. Mouser, R. 6, Ithaca, Mich. Maple Lawn Farm Shropshires, rams and ram lamber of choice breeding. Wooled from nose to toes.

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Registered Shropshire Ewes

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

For Sale. Registered Hampshire yearling rams and ram lambs. Yearlings weigh 175 lbs. price \$40.00. Lambs weigh 129 price \$30.00. OTTO C. KNOB. R.R. 3. Monroe, Mich.

THE MICHIGAN CROP IMPROVE-MENT ASSOCIATION.

Could you furnish me with information on the origin of the Michigan Crop Improvement Association, and state the methods being employed to improve the crops of the state?

Gratiot Co. READER.

Realizing the need of protection against the indiscriminate sale of farm seeds, a number of farmers got together, a few years ago, and formed what is known as the Michigan Crop Improvement Association. This association grew from a few farmers to a membership of twelve hundred who are now actively engaged in growing improved and pedigreed grain for seed purposes.

Through the support of the United States Department of Agriculture, the state experiment station and the farmer members of the association, the future seed industry among Michigan farmers is guaranteed.

How the Association Operates.

Any farmer in the state can become a member of the association on the payment of a dollar, the amount of the annual dues. Members are kept informed regarding the best varieties of grain in the state and any new ones that might develop.

In order to correctly understand the workings of the association it is necessary that a few definitions be clearly understood. First, "pedigreed seed" is hereby defined as seed stock descended from an individual plant whose value has been demonstrated and approved by the Michigan Agricultural College. Second, "improved seed" for distribution through the association must be stock showing breeding and type due to a number of years of selection. Third, "registered seed" is pedigreed seed that has been inspected twice by authorized agents of the association. The first inspection-before harvest, while the grain is standing in the field; the second inspection is made on a peck sample, or on a sample of a size designated later submitted to the association as characteristic of all the grower sells. Fourth, "approved seed" is improved seed as defined above that has been twice inspected in the same manner as is necessary for registration of pedigreed seed.

For example, now let us take a farmer who has purchased registered or approved seed through the association. This is planted. About three weeks previous to harvest he makes application to the secretary for field inspection. An inspector who has been thoroughly trained along this line is sent to the farmer. The inspection fee for each grain for any acreage up to twenty acres is eight dollars. Over twenty acres the fee is fifteen cents additional per acre.

The inspection is practical and at the same time scientific, in that it requires men who are thoroughly trained in plant diseases, insects and soil conditions.

In making a field inspection the field is carefully traveled over, the inspector being constantly on the alert for Shropshires yearling rams. Ewes of all mixtures, diseases, weeds and insects, w. B. KELLY, Ypsilanti, Mich. and if such are found the field is rejected for seed. In case all is satisfactory a certificate is issued which becomes the basis for final inspection and registration.

> After threshing the farmer forwards a well-cleaned representative one peck sample to the secretary of the association for final inspection, which is technical and made in detail. The laboratories of the association are equipped with the latest approved grain and seed standardization apparatus. Analysis is made showing the per cent of moisture, germination, foreign material, light and small seeds, weight per bushel, texture, and its general quality and seed condition for which standards are established.

In case the farmer is not satisfied

n



Tank Heater

Greatest improvement ever made in tank heaters. Fits any tank. Burns from 14 to 16 hours on one gallon of kerosene. Any child can operate it with safety; no sparks, ashes or smoke. The heating chamber is entirely under water; no heat wasted. Guaranteed. Saves feedpays for itself repeatedly.

Empire Non-Freezable Hog Waterer





Farms and Farm Lands For Sale

If you want to sell or exchange, your farm for Detroit city property, write to us for quick results.

J. F. Hintz Real Estate Co.,

786 Milwaukee Ave., E. Detroit, Michigan. Phone Melrose 281.

Members of the "Detroit Board of Commerce" and "Detroit Real Estate Brokers Association."

For Sale

First Class Cattle or Dairy Ranch A First Class Cattle or Dairy Kanch In Michigan's Clover Seed Belt. 1200 acres heavy clay soil. Hardwood removed 12 years ago. Heavily grassed to clover blue grass and timothy. There is no better land in the state. 6 miles from Millersburg and Onaway, Surrounded by cattle ranch and farma. 185.50 an acre. 10% cash, 5s year 10 years, balance 12th year or 10 5 cash, balance of payments made with returns from (Alfalfa Seed Crops) from 20 acres, harwested yearly until land is paid for, interest 6. also 3000 acre ranch proposition 11 miles from Millersburg \$7.50 an acre. No cash necessary, if responsible purchaser will grow annually 40 acres of clover for seed, and apply proceeds of seed crop on purchase price until paid for, interest 6%.

275 Acres \$4500, With
Horses, Cattle, Tools, Produce,
Splendid productive farm near big City; 200 acres machine-worked fields immense crops hay, grain; remainder wire-fenced spring-watered pasture, valuable
wood; 200 sugar maples, home-use fruit; 'r-room house,
3 barns, 4 poultry houses, ice house, other buildings;
personal reasons force sale, owner includes 4 horses,
10 cattle, feed, pigs, machinery, tools, all for \$4,500,
part cash, balance easy terms. Details page 22 Strout's
Big New Illustrated Catalog Farm Bargains 33 States.
Copy free. STROUT FARM AGENCY, 814 B.C. Ford
Bidg., Detroit, Mich.

640 ACRES, two miles from Saginaw (sevenciay subsoil, with mixed clay and black loam surface;
good buildings and good roads; excellent shipping facilities and best markets for stock and produce, one-third
first payment and blance as agreed on at 7 per cent
annually. Other realty, city property or farming land
in part or whole cachange payments; two hundred
dollars per act; on cash basis \$185 per acre; possesston on March 1902 or sooner if required, also
asie 40-08-0120-160 acres enquiry solicited. D. H.
Rennie, Real Estate and Business Exchange, 2334,
Valley 650-B.

Ionia County Farm

140 acres of almost level clay loam land, nicely located on state reward road, close to town, church and school, 19 acres of wheat, good orchard, farm is all well fenced and there is an excellent set of building of a 10 room house and one of the best 70 ft. consisting of a 10 room house and one of the best 70 ft. full basement barns in the county, good sile, large hog house, sheep house, hen house, tool house and an excellent supply of water. Price is \$100 per acre, on itieral terms. SEND FOR OUR NEW FALL CATALOGUE OF FARMS, FRED A. GODFREY, Lowell, Michigan

Comfort and Pleasure This Winter

CLEARWATER ON CLEARWATER HARBOR AND GULF OF MEXICO. Wonderful surroundings, surf bathing, mild climate, comfortable accomodations, hotels and cettages. Oftrus groves, trucking, chickens and dairying. Good land, aufficient rain, luxuriant growth. Write Board of Trade, Clearwater, Fla.

Owner Obliged To Go To Another State WILLIAM B. HATCH, Ypsilanti, Michigan

160 A. Stock farm good buildings, for sale, small amount down, balance on contract or will rent for money rent. Can give possession soon.

C. F. BARKER, R. 4, Clio, Michigan.

with the inspection he can make an appeal to the board of review, the personnel of which consists of two members of the Michigan Agricultural College Farm Crops Department and the secretary of the association whose duties are to arbitrate and decide upon all disputes and whose decisions are fiinal.

Seed that passes both inspections is entered in the registry book and the grower is issued a certificate of registration and assigned a registry number. This can be done because the original source of the seed and its genuineness is known. The original stock can be traced to that first put out by the association. Because of the two rigid inspections the purity and quality is guaranteed. No seed company will do this. This protects the buyer who may confidently plant such seed and expect to harvest a crop of similar type and quality, which is again eligible for inspection and registration.

The growth of the association is shown by the following figures: In 1918 there were four hundred thousand acres of rosen rye harvested. In 1919 this increased to five hundred thousand, and this year it is estimated that over six hundred thousand has been harvested.

The following is a list of the registered seed which the members are growing: Wolverine, Worthy, College Wonder and College Success oats; Wisconsin Pedigree and Michigan tworow barley, Michigan Black Barbless barley, and Robust bean. The approved seed consists of corn and Early Wonder beans. During the last few years some of the above mentioned varieties have been shipped into thirty of the states. In nearly every state they have proven superior to the ones A. W. J. formerly grown.

CONDUCTED BY DR. W. C. FAIR.

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

Irritation of Bladder.-I have a seven-year-old mare that is thin; when working she is inclined to urinate too often, but so far as I can tell she is healthy. A. W., Pinconning, Mich.— Give her a tablespoonful of baking soda at a dose in feed three times a day. Change her feed.

Acute Indigestion .- For the past three months my horse has had sick spells. Our local veterinary treated him for heart trouble, but his medicine failed to do him much good. He will gradually gain in flesh for a week or two, then run down. J. H., St. Clair, Mich.—Give half a dram of ground nux vomica, a teaspoonful of salt and a tablespoonful of ground gentian in feed twice daily. His bowels should be kept open, besides he should have daily exercise.

Irregular Distemper—Has Abscess.— Last April my six-year-old mare bruised her breast against manger, causing an abscess which our local veterinary opened. Since then some five abscesses have formed and been opened, but none of them are yet healed. Liquid injected into the upper one will run through to lower. Our veterinary called the ailment distemper. E. S., May-ville, Mich.—Enough cutting should be done to afford proper drainage, then occasionally inject one part iodine and twenty parts water. Also inject one part lysol and thirty parts water twice daily. Give two drams of Fowler's solution at dose in drinking water three times a day.

Recurrent Ophthalmia.—Have a bay mare eleven years old that seemingly goes blind every four or five weeks. After the eyes have been sore a few days they clear and vision seems to return. Is there any help for her? F. E. F., Burlington, Mich.—The best results from treatment you can hope for is a short postponement of loss of vision. A bright light irritates a sore eye, constipation is another exciting cause; remove them and it will help her. She is incurable.

40 DUROC JERSEYS 40

Will be sold at Farm

Thursday, November 18th, 1920 Newton Barnhart, St. Johns, Mich.

This list includes males and females by Walt's King, one of the good sons of Walt's Col.

A few sows bred to Walt's King and Walt's Col. 7th the 1st Senior pig at Michigan State Fair.

Pigs and sows by Orion's Fancy King the biggest pig of his age ever shown at Chicago Fat Stock Show.

Walt's Col. 7th, the undefeated under-a-year boar is also listed in sale.

Also some of the get of Oakland's Jack Orion, a National Swine Show winner. Col.'s Orion King 4th, Col. Joe Orion, Orion's Fancy King, Principal Orion and other famous sires will be sold.

A few of the gilts sold will be given breeding privileges to Walt's King.

Everything sold is guaranteed and any animal purchased through fieldmen will be guaranteed to please the purchaser just the same as if bought by the person for whom the purchase is made.

The yearling and under a year show sows of 1920 will be sold.

Newton Barnhart, St. Johns, Mich.

W. M. Kelly for The Michigan Farmer

Big Type Poland Chinas YOUNG BROS., NILES, MICH.

Will sell 60 head of gilts, fall yearlings and tried sows.

MONDAY, NOV. 15th

Auctioneers Cols. Flesher and Foster

Choice individuals; shipped to you c. o. d. express paid and guaranteed right or your money refunded. All stock registered in buyer's name.

J. CARL JEWETT.

Mason, Mich.

FOR SALE 170 acre farm four miles from Farmville, Virginia. 1 All fenced with barbwire, about one hundred acres open's balance in first class timber. Two good dwelling houses just rebuilt and newly painted. Two large tobacco barns and many other small buildings and plenty of good water. Two main highways leading to the farm. Fruits of various kinds. Land is level or just a little rolling is now being worked on shares. The past year it has raised a large crop of first class tobacco, corn, sorganm and vegetables of every kind. This farm will pay for itself in two years and the climate is the best in the world. Two miles from high school public school and church and Lady's State Normal School. Address J. B. BLACKBURN, 722 Main, Buffalo, N. Y.

Write Me at our miles from the control of the cont

Great Bargain, 169 A. good soil, a more soil, good soil, a more maker and splendid chance for speculation. Easy terms. Don't wait. Owner, Oscar E. Burnham, 507 Bank Bldg., Kalamazoo, Mich.

BARGAIN for quick sale. 180 A. so me timber, spring brook, 4½ m. Hastings, 60 r. St. tr. line, fine new modern Sr. bungalow bath, running water, shady lawn, good barn, other farm bldgs., also fine 80 A. with 19 A. timber near by, equipment desired. Write WILL TREGO, R. 3, Hastings, Mich.

160 Acres near Flint, very best soil good buildings, owner sick has cut price to \$100 acre, terms, act quick; other bargains. ADVANCE REALTY, 114 Paterson Bldg., Flint, Mich.

For Sale Grain, Dairy and Fruit farms at bar-gain prices. Market at your door, one hour from Detroit the heart of the country. Write J. W. SALIARD, Romeo, Mich

HOGS

Michigana Farm Durocs. Service boars and open gilts for sale at \$40 and \$50. These are real hogs. Satisfaction guaranteed.
O. F. FOSTER, Mgr., Pavilion, Mich

2 jr. yearling boars sire Long Wonder, Jr. Cham-pion at the Minn, State Fair in 1917. 1 jr. year-ling sir Giant by Giant Invincible one Sr. year-ling by Panama Special all perfect individuals and weigh over 600 lbs. We only have 2 spring boars left.

CHASLEN FARMS, Northville, Mich.

Write Me at once I have just what you want heavy bone registered Dyron Var sey boars ready for service. W. H. MAYES, L. B. 505, Durand, Mich.

Duroc Jerseys of the right type, good blood at a price you can afford to pay. Guaranteed to suit you. W. E. Bartley, Alma, Mich.

SHEEP

Reg. Hampshire Down ram lambs, one registered Reshorthorn bull caif, 9 mo., spring and fall farrowed Berkshire pig. M. G. Mosher & Sons, Osseo, Mich.

OXFORD RAM choice yearling Reg. and delivered for \$50.

For Sale Oxford ram lambs registered and delivered \$25.00, Guaranteed.
GEO. T. ABBOTT. Palm, Mich. OXFORDS Rams, all ages \$20.00 to \$25.00 ewes cheaper breeding the best.
O. M. YORK, Millington, Mich.

HORSES

Percheren Stallions and mares at reasonable prices; inspection invited.

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



GRAIN QUOTATIONS

November 10, 1920. Wheat.

Detroit.—Cash No. 2 red \$1.97; December \$1.91; March \$1.87; No. 2 white and No. 2 mixed \$1.95.
Chicago.—No. 2 hard \$1.884; December \$1.77; March \$1.75.

Corn.
Detroit.—Cash No. 2 mixed 93c; No. 2 yellow 98c. Chicago.-No. 2 mixed 88@891/2c;

No. 2 yellow 90@91%c.
Oats.
Detroit.—Cash No. 2 white 56c; No.
3 white 54½c; No. 4 white 52½c.
Chicago.—No. 2 white 52@54¼c;
No. 3 white 50½@52%c.

Beans.

Detroit.-Immediate and prompt are steady at \$4.65 per cwt.

Chicago—Market easy. Hand-picked beans choice to fancy \$4.75@5; red kidney beans \$9.25@10 per cwt.

New York.-Market continues dull. Choice pea \$6; do medium \$6.

Rye. Detroit.—Cash No. 2 rye \$1.60. Seeds.

Detroit.-Prime red clover \$12.75; December \$13.10; alsike \$17; timothy

Toledo.—Prime cash \$12.85; December \$13; alsike \$17; timothy \$3.40.

While cash corn prices have averaged higher the past week wheat has worked to a lower level, the keen competition of Canadian grain and a sensational break in continental foreign exchange being the main influences. Canadian wheat which inspects dark No. 1 northern spring sold at Chicago the past week at 13c over the Chicago December against 23c over several weeks ago, showing a decline of 10c relative to the futures. This has forced a lower level for domestic springs, and has also affected the hard winter. Red winter, however, is very scarce, as it was sold largely for export, and has gained on the December selling as high as 21c over, with very limited arrivals at all markets. The foreign financial situation has far more bearing on the wheat situation at the present time than the statistical. The latter is un-doubtedly sensationally strong, but with lire quoted at around three cents and francs at six cents, against a normal for both of 19.3c and marks going begging at 14c against a normal of 23.5c the purchasing power of Europe has been so greatly reduced that it is rather surprising that the demand has held up well as it has. The Australian crop is now estimated at 131,000,000 orop is now estimated at 131,000,000 bushels, suggesting a surplus of 90,000,000 bushels. The Canadian crop has been increased 4,000,000 bushels by the last provisional estimate. The Central European and Balkan countries harvested 8,000,000 bushels less than last year. Demand from the domestic mills is still slack.

CORN

A corn crop of around 3,200,000,000 bushels seems to have been secured this year and reports indicate that the quality is the best known. The carry-over of old grain is around 100,000,000 bushels so that it seems safe to figure on a total supply of around 3,300,000,-000 bushels, the largest known. From a comparison with previous year this makes a most depressing showing, although when it is considered that makes a most depressing showing, although when it is considered that there is by far more cattle and hogs on farms this year than in 1912, when around 3,200,000,000 bushels were consumed, it is not as bearish as generally believed, especially as the total live stock is estimated at 15,000,000 head greater. The industrial demand for cash corn is still very slow but the eastern distributing trade has picked up considerably, and yellow corn was recently around 5@6c over the December has advanced to around 11c over. Receipts have become extremely light. The country is showing no disposition The country is showing no disposition to sell old or new corn to arrive, the price being regarded as too low. Feeding operations are increasing rapidly as it is figured that on the present price of hogs corn for feeding is worth \$1.25 per bushel. Prices have been gradually declining.

SEEDS

Red clover seed and alsike prices were easier again last week, influenced by larger receipts and the decline in grains. The belief is rather prevalent that they have been deflated enough. Canada is reported to have a large crop of timothy seed, but her crop of the clover seeds is below normal. Prices at the week's close were: Toledo—1919 prime red clover \$13.20 per bushel; 1920 prime \$13.85; 1919 prime timothy \$3.30; 1920 prime \$3.40; 1919 prime alsike \$17.15; 1920 prime alsike \$17.30.

FEEDS

pective supply is probably ample for all requirements. Production is increasing slightly. Linseed and cotton-seed meal have been rather high compared with prices of farm grains and the former declined \$3 at Minneapolis. No marked change either way from the present price level of millied in in present price level of millfeeds is indicated. Latest quotations per ton (100-lb bags) in car lots are: Detroit—Bran \$40; standard middlings \$43; flour middlings \$53; coarse corn meal \$46; cracked corn \$47; chop \$41.

BEANS

common shipping points. The usual September-October demand is not evident, buyers holding off. Colder weather has stimulated it to a slight extent. HAY

The hay trade continues dull with little change in prices, light receipts offsetting the influence of the small demand. Unless the feed grains and other feedstuffs decline hay prices are unlikely to decline much further. Pric-

Potato demand has been active and could become effective.

Potato demand has been active and could become effective.

FCCS AND BOYLESTER OF THE POTATION OF TH close of the week when operators began to hold off. Chicago closed very weak at \$2@2.25 on Northern Whites, losing most of the advance. Other The usual fall demand for feedstuffs middlewestern consuming markets is showing up and prices are firmer. gained 10@25c till Friday's close, Millfeed stocks are light, but the prospective supply is probably ample for amounts. Minnesota, Wisconsin and all requirements. Production is in Michigan shipping points reached \$1.90

@2.10 per 100 lbs. f. o. b. sacked. Chicago prices are: Northern whites \$2 @2.25 per 100 lbs; Idaho Rurals \$2.40. Cleveland.—Michigan round whites \$3.25@3.50 per 150-lb. sacks; New Jersey Giants \$2.50. Detroit—Michigan \$3@3.25 per 150-lb. sack.

BUTTER

The previous week's advance and firm market continued uninterruptedly throughout the past week. The output has fallen off rapidly since the recent bit of cold weather and hard frosts. The quality also improved slightly and From a high price of \$8 reached last February and March bean prices receded to the low level of \$4.50 reached a few weeks ago, since which time values have advanced about 10 or 15 cents each week. Price on November 6 was \$4.85 f. o. b. Michigan sections. The top scores were most common shipping points. The usual scarce, but medium grades cleared and September October demand is not evicinally much of the poorest stock was finally much of the poorest stock was moved. One shipment of New Zealand November 6 were: New York 64c; Chicago 64c; Boston 60c; Philadelphia 64c per pound

WOOL

Wool market conditions have grown worse the past week. Prices quoted, though largely nominal, are slightly lower. The depression which has overwhelmed all branches of the textile trade has grown worse, the American es per ton in carlots were as follows: erwhelmed all branches of the textile Chicago—No. 1 timothy \$29@32; trade has grown worse, the American standard and No. 1 light clover mixed \$25@29; No. 2 timothy and No. 1 clo-ations six or seven weeks ago with a ver mixed \$25@27; No. 3 timothy \$20 50 per cent personnel, announcing that

@23; sample hay \$18@24; clover \$20@ its mills would operate on a four-day-a-week working schedule. Retailers are unwilling to mark down their standard \$28@29; light mixed \$28@29; No. 1 clover \$27@28; No. 1 mixed \$27@28; No. 1 clover \$27@28; ryed \$14.50@15; wheat and oat straw firm, but Liverpool auctions on East \$13.50@14. Buffalo—Timothy No. 1 at \$36@37; No. 2 \$33@35.

EGGS AND POULTRY

Egg prices continue firm at a very high level. Prices to retailers at Chi-cago the past week were the highest they have ever been at this season of the year. Poultry markets were weak as supplies are in seasonable abund-ance

BUCKWHEAT

Buckwheat prices continue at a low level, Chicago and Milwaukee both being quoted at \$2.25@2.50 per 100 lbs. The prices are unusually low compared with wheat. The market is under the bane of the present scanty buying era and will probably continue unsatisfactory for some time.

APPLES

There has been a somewhat better movement of fancy stock this week, but the supply of inferior stock is still heavy and is retarding the market. Only large Delicious and Jonathans appear to be holding their own in the box apple market. The market closed practically steady. practically steady

DETROIT CITY MARKET

Wholesale prices on city markets show apples selling at \$1.25@2.50 for firsts to fancy grades; cabbage 40@50c; dry onions \$1@1.10; potatoes at \$1.35@1.50; turnips \$1@2; celery at 25@75c per dozen. Eggs are scarce at 90c@\$1 per dozen 90c@\$1 per dozen.

STATE FARM BUREAU MARKET REPORT.

Seed prices are not showing any increased strength but on the whole have lost during the past week. Inquiries from farmers' organizations in other states denote a keen interest in Michigan seeds, and their belief that now is time to buy medium clover is beginning to move some with hulling far from completed. Statistics show 44.200 pounds of alsike imported dur-44,200 pounds of alsike imported during October as compared with 1,337,400 for October, 1919. Red clover importations are given at 12,900 pounds and 510,400 for same periods.

FEDERAL CROP REPORT.

RECORD crop of corn, exceeding A RECORD crop of corn, exceeding the previous largest crop by 75,000,000 bushels, was announced Mon-000,000 bushels, was announced Monday by the department of agriculture in its preliminary estimate, placing production this year at 3,199,126,000 bushels and quality at 7.7 per cent above the average. A month ago the corn crop was forecast at 3,216,192,000 bushels, while last year's production was 2,917,450,000 bushels, of which 142,211,000 bushels, or 4.9 per cent of the crop, remained on the farms November 1 this year, Monday's report announced, compared with 69,835,000 bushels a year ago and 82,618,000 bushels, the average of the preceding five years.

This year's potato crop is put at 421,252,000 bushels, compared with 414,986,000 last month and 357,901,000 last year.

Apples promise a yield of 236,187,000 bushels, compared with 227,978,000 last

month, and 147,457,000 last year.

Sugar beets will probably total 8,812,000 tons, compared with 8,970,000 last month and 6,421,000 last year.

Live Stock Market Service

DETROIT

Cattle.		
Canners steady; all other	ers 25@	240
lower.		
Best heavy steers\$	10.50@:	10.7
Best handy wt bu steers		
Mixed steers and heifers	7.50@	8.2
Handy light butchers	7.00@	7.2
Light butchers	5.00@	6.2
Best cows	7.00@	7.50
Butcher cows	6.00@	6.2
Common cows		4.00
Canners	3.00@	3.50
Choice bulls	7.00@	7.2
Bologna bulls	6.00@	6.50
Stock bulls	5.00@	6.00
Feeders	7.00@	9.00
Stockers	5.00@	7.50
Milkers and springers\$ Veal Calves.	65@	11(
Market steady.		
Best\$	16.00@1	16.50
Others	6.00@1	13.00

Market steady.

Hogs.

Estimated receipts today are 16,000; mod choice and prime \$9@11; ewes, medium, good and choice \$5@6.50; do holdover 9,290. Market steady with yesterday's average. Bulk of sales at \$12.85@13.50; tops \$13.75; heavy 250 lbs up medium, good and choice at \$13.75; heavy 250 lbs up medium, good and choice at \$13.25@13.70; light 150 to 200 lbs common, medium, good and choice at \$13.25@13.70; light 150 to 200 lbs common, medium, good and choice at \$13.25@13.70; light 150 to 150 lbs common, medium, good and choice at \$13.25@13.60; light ensoday) at \$14.65@14.75; lambs \$12.75 lights 130 to 150 lbs common, medium, good and choice \$12.90@13.40; heavy the trade ruled steady.

packing sows 250 lbs up smooth \$12.50 @12.85; packing sows 200 lbs up rough \$12@12.50; pigs 130 lbs down medium, good and choice \$12.50@13.50.

Cattle.
Estimated receipts today are 15,000.
Good corn-fed steers strong to higher; other classes slow; calves and bulls lower. Beef steers, medium and heavy lower. Beef steers, medium and heavy weight 1100 lbs up choice and prime \$15.75@17.50; do medium and good at \$10.50@15.85; do common at \$8.75@10.50; light weight 1100 lbs down good and choice \$13.25@17.25; do common and medium \$8@13.25; butcher cattle, heifers, common, medium, good and choice \$5@13; cows, common, medium, good and choice \$4.60@11.25; bulls, bologna and beef \$5.25@10; canners and cutters cows and heifers \$3.50@4.50; do canner steers \$4@6; veal calves light and handyweight medium, good and choice \$9@13.50; do cows and heifers medium, good and choice \$5.75@

Sheep and Lambs.

Estimated receipts today are 24,000.
Market slow and bidding lower. Lambs 84 lbs down medium, good, choice and prime \$10.75@12.50; do culls and common \$9@10.50; spring lambs, medium, good, choice and prime \$9.711; ewes, medium, good and choice \$5.76.50; do hid cull and common \$3.70.4.75; breeding at ewes full mouths to yearlings at \$5.75 (0.82.25; yearling wethers, medium, good and choice \$12.71.31

BUFFALO

This market sold hogs today (Wednesday) at \$14.65.71.75; lambs \$12.75

This market sold hogs today (Wednesday) at \$14.65.71.75; lambs \$12.75

Bursh Month and last month and las

COMMITTEE OF SEVENTEEN.

(Continued from page 596). ed that a year ago he stated in addresses given in all of the large cities in which his grain corporation maintained offices, that unless the United States entered into some kind of an association of nations which would seek to restore peace and stability to European conditions and assist the new nations there to establish their boundaries, that there would be unemployment in every large city in the United States and distress in the agricultural communities; a prophecy which has been abundantly fulfilled. He held out no hope that growers by collective action could obtain more than the supply and demand price.

Mr. Powell made a remarkable address covering the fundamental principles of cooperative organizations along with practical suggestions as to details. He emphasized the fact that there must be an economic need before a cooperative organization could succeed. Cooperation must be a religion with the member. "The children of the members of the California Fruit Growers' Exchange in saying their prayers, ask God to bless mamma,, papa and the exchange." He emphasized the importance of the character of the board of directors that the growers and the public must have absolute confidence in them; that the methods of big business, such as the United States Steel Corporation or Standard Oil, should not be considered as a proper model for the grain growers. They must recognize the social and economic rights of the community. Recognition of these rights goes along with the legal privilege to market their products in a cooperative way.

The exchange of which he is a member merely attempts to obtain the supply and demand price, and Mr. Powell does not believe it possible to obtain a cost of production price. Lemons, for example, have been selling for five months under cost of production. Increases in cost of marketing such as those represented by freight, cannot be passed on to the consumer, since these make no difference whatever in the demand. On the other hand, it is a mistake for growers to sell collectively at too low a price, as someone else then absorbs the difference between this price and that which the consumer is willing to pay. In the organization of the exchange members sign up for a period of years, but many of these contracts provide for withdrawal upon one year's notice, as it is undesirable to try to retain a dissatisfied member. As a result of the work of the exchange the handling charge has been reduced to one and a half to two per cent, compared with a former charge of ten to fifteen per cent and a present charge of about seven per cent which private handlers demand.

Resolutions Adopted by the Committee of Seventeen.

The Farmers' Marketing Committee of Seventeen in executive session, discussed the fact drawn out in the public cussed the fact drawn out in the public hearing that the grain exchanges of the country deny membership to cooperative companies. Although they do not recognize the grain exchanges as the best possible method of marketing grain, the members of the committee were unanimous in adopting following resolution:

Whereas, the principal grain exchanges of the United States bar cooperative companies that distribute their profits in proportion to the vol-ume of business handled, from partici-pating in the buying and selling of farm products; and whereas, the same prevents the producers from collectively selling their own products thereby creating a monopoly in the hands of the traders; a situation which is not just and not in harmony with the spir-

just and not in harmony with the spirit of American institutions.

Therefore, be it resolved, that we call upon the federal trade commission, the attorney-general or other public authority to take such steps as may be necessary to open the said markets to the membership of cooperative companies, unless the grain exchanges shall voluntarily do the same at once.









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