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KANSAS FARMER AND MAIL & BREEZE

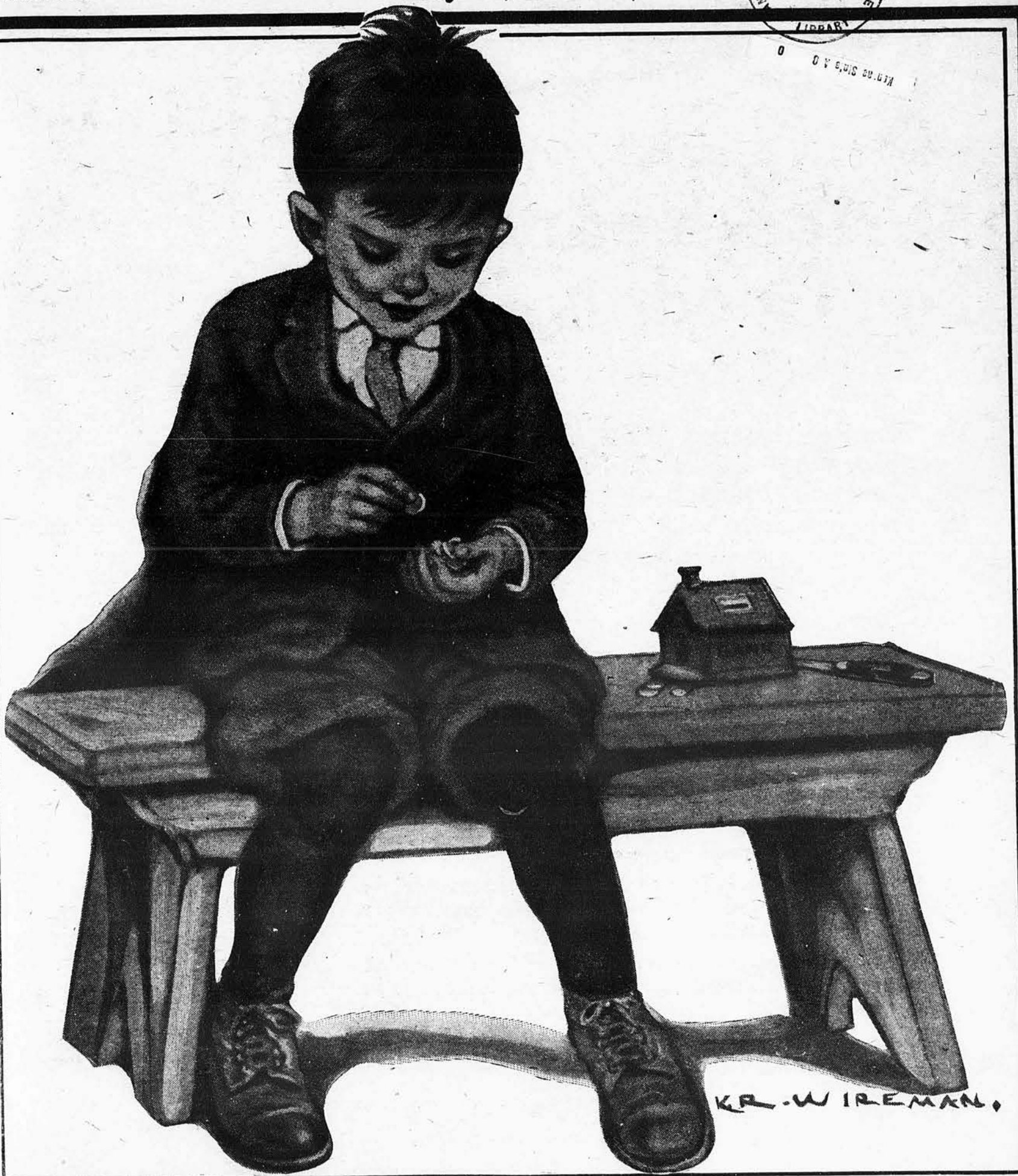
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DECLARING that it is their intention to clean house in order that "over-speculation" in grain may be ended, the directors of the Chicago Board of Trade have announced certain recommendations to correct abuses which they admit "have crept into grain trading, largely as a result of the war." The action taken, according to a report given to a Chicago Daily, is "admittedly in response to recent attacks upon the board as the 'world's greatest gambling house'."

Farmers who grow grain should consider the extent to which this promise to "clean up" can be valued before giving it any serious consideration. In the first place, the Board of Trade admits that the investigation was ordered by their president, Joseph P. Griffin, following the attack of Senator Arthur Capper. In other words, the Board of Trade would try to leave the impression that they were unacquainted with the true condition of affairs, which existed in their midst, until Senator Capper called them to their attention.

Reference to the Chicago Board of Trade as the "world's greatest gam-

"Clean-up" to Meet a Crisis

Board of Trade Plans Self-Inflicted Whitewashing

BY C. H. GUSTAFSON
President U. S. Grain Growers, Inc.

bling house" is a term originated by the legal member of the Farmers' Marketing Committee of Seventeen. The statement was made only after the most complete inquiry into the facts, which disclosed that, while the Louisiana lotteries and Monte Carlo in their palmiest days exceeded the comparatively paltry annual business of 60 million dollars and 12 million dollars each respectively, the speculative transactions on the Chicago Board of Trade exceed 15 billions annually.

Furthermore, it was learned that while 18 billion bushels of all grain are represented in the future transactions of the board every year, only 325 million bushels of grain are actually shipped to the Chicago market. These figures have not "crept in

since the war" or as result of the war, for they are taken from the report of the Federal Trade Commission.

A further statement made in the Board of Trade's "clean-up" announcement, as given to the Chicago papers, is to the effect that "manipulation of grain markets in the past is admitted, but there has been none since July 1, 1920, it is asserted." Comparing this statement with the other in the announcement to the effect that this action is being taken to end abuses which "have crept into trading in grain, largely as a result of the war," it is somewhat confusing. However, it may be well to refresh the public mind as to incidents subsequent to July 1, 1920, which, if not examples of manipulation are horses of the

same color and also of the same name. On the morning of January 21, 1921, there were some very rapid changes in both future and cash prices of wheat, precipitated by the Armour grain interests selling blocks of March "futures" wheat. There had been no sudden change in the world's supply or demand. All the news had been optimistic and, in fact, this optimism was supported by a statement given out on the following Monday by the United States Bureau of Crop Estimates that "the import needs of wheat and rye of European countries this crop year will be 280 million bushels in excess of the total surplus of the exporting countries." The price of wheat, that Friday morning, advanced 2 cents. Then Armour began to sell and a near panic followed. Government market representatives make no effort to assign causes but the official report summarizes the effect as follows:

Not only were futures lower in all markets, but cash prices declined more than the futures. The net changes on Saturday, January 22, as compared with a week ago are as follows: Chicago March wheat, 6½¢ lower; Minneapolis March wheat, 13¢ lower; Kansas City March wheat, 7¢ lower; Winnipeg May wheat, 7½¢ lower. Cash prices followed the futures down, but the premium on cash wheat decreased and the difference under the futures in the case of corn widened.

Another incident which occurred subsequent to July 1, 1920, was that of the decline of 59 cents or more on wheat prices between July 15 and July 31, 1920, immediately following the resumption of future trading. This is commented upon by Blanchard Randall of Gill & Fisher, who is one of the largest exporters in this country, in a letter written to Henry L. Goemann of Chicago. "There was no reason, except the 'smashing process', to break the December option in Chicago in two weeks from \$2.75 to \$2.06," he declares.

Reform of Short Duration

It is also well to remember that the Chicago Board of Trade has had a number of "clean-ups" to meet critical periods in its history. Unfortunately, the "clean-ups" have always been of such short duration as to effect no permanent improvement. Away back in 1892, when regulatory legislation for the Board of Trade operations was being considered, we find, in the "History of the Board of Trade" written by a member of long standing and the only authentic account of inside history of the board in existence, that the board of directors met and considered the situation

and in order to strengthen the board's position as to legitimate trade, an effort was made to stop trading in puts and calls. Leading traders were asked to abandon the practice and the private wire houses, with one or two exceptions, complied. They soon resumed, however,.....

and then follows the excuse which they had for resuming.

Again, in 1910, this authentic history of the board of trade gives us the history of another "clean-up" with regard to elimination of dealing in "privileges" or "indemnities":

A lively controversy immediately arose over the amendment recommended by the directors and John Hill, Jr. announced a few days later that unless trading in indemnities was no longer practiced, he would ask the Congress to stop it. The next day, most of the big houses agreed to discontinue the objectionable form of trading, and after a consultation with Attorney H. S. Robbins, the directors voted to abolish it, the new rule to take effect immediately. However, in September an amendment was passed by a vote of 550 to 105 providing for trading in indemnities under certain restrictions, and was said to be legally sound.

In view of all of these facts which have been briefly indicated, the recent "investigation" and announcement of a "clean-up" can be justly regarded as a belated attempt to "whitewash" rather than to "clean up." It is at least significant that this announcement should follow so close upon the formation of a farmers' co-operative marketing company and when bills are now pending before the Illinois legislature which propose to abolish short selling and put a regulatory act upon the statute books.

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A co-operative organization must be composed of persons whose interests are similar. Membership in a growers' organization usually should be limited to actual growers of the crop to be marketed.

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KANSAS FARMER and MAIL & BREEZE

May 14, 1921

Arthur Capper, Publisher



Vol. 59 No. 20

It's Different in Silo Land

Kansas Dairymen, Like Grain Farmers, Have Gone Thru Their Readjustment, But the Trip Was Easier and Less Costly

By Ray Yarnell

IN A land of many silos, good barns, trim fields and much alfalfa, among herds of black and white cattle, where the milk checks come regularly every month, farmers are thinking quite a bit differently from those in the wheat belt.

The outstanding reason for this is that the dairyman is on an entirely different financial basis from the grain grower. He has at least 12 turnovers a year; not all complete turnovers, however. The wheat farmer usually has but one.

Every month the dairyman gets a check for milk sold. That check represents feedstuffs, forage and grain, converted into milk for economical marketing. Instead of selling the raw material produced on the farm, it might be said that the dairyman is selling a manufactured product—milk or butterfat.

Cows make it possible for the dairy farmer to market his crops in an orderly manner thruout the year. He never dumps an entire crop on a market which may be flooded. Months in advance the dairy farmer can count on a fairly definite income that will be paid in cash.

Very often he is a buyer of raw material such as feedstuffs from other farmers, to be converted into milk. Out of such a transaction the dairy farmer deserves and takes a profit. When he raises the feed he gets a profit for producing if any other farmer makes such a profit, and in addition he gets another profit for turning the hay, silage, corn, and other feed into milk.

Dairy farmers are not particularly exercised over the grain marketing problem. Of course they are interested because nearly every one produces considerable wheat. Even tho 60 acres of wheat should be grown on a 160-acre farm, the dairy farmer still considers it a side line.

Usually he markets from the field as the grain is threshed, selling the wheat at the current price, getting his money and forgetting the crop. The dairyman does not wish to spend much time with his wheat. He grows it because it requires a minimum of attention and is a crop that can be cashed quickly and at a convenient time.

Indorses Grain Marketing Plan

Toward the marketing plan of the Committee of Seventeen the dairyman is sympathetic and he is willing to co-operate in putting it across. Most dairy farmers, apparently, have not studied the plan in detail, being willing to base their attitude on the decision of grain farmers as to whether the plan is worthy.

That was the sentiment in the rich dairy community of which Mulvane, Kan., is the center. Fred Seekamp, dairyman, put it this way: "I grow wheat as a side line. I sell it from the machine, often contracting it in advance. I don't care to bother with holding it because I have so many other things to do of more importance.

"I would like to see the marketing plan tried out because I think it is time farmers had something to say about how their crops are handled, and I'll do what I can to help it along. It isn't vital to me, however, because dairying is my chief occupation."

Along with wheat growers, dairymen expect the price of wheat to go lower than a dollar a bushel during harvest, but they also expect labor to be much cheaper than last year and the cost of threshing less.

Dairy farmers may be only passively interested in marketing but they are actively interested in the question of freight rates, more so than the grain grower. High freight rates have struck directly at their market for young dairy stock, tending to localize sales and discourage the exportation of breeding stock to distant points.

Kansas breeders—and every dairyman is a breeder to some extent and must find an outlet for young stuff every year—are finding high freight rates a sales deterrent, especially to buyers who live in surrounding states. Cost of shipping cattle, dairymen say, is becoming prohibitive if the distance is great. Perhaps the situation has resulted in more local sales, but that often means that the breeder cannot get as good a price as if he had outside demand. The distant buyer, if he finds just what he desires, will frequently offer a liberal price for the animal.

It also works out that the dairy farmer now has to make a closer price on his stock as the purchaser asks for consideration in view of the high freight rates. The tendency has been either

to depress prices, or to slow down sales if an effort is made to keep the prices steady.

The demand for a lowering of freight rates is unanimous in dairy districts, not only on livestock but on feed. In the Mulvane district, fortunately, many dairymen bought heavily of imported feed, such as cottonseed cake, before the rate increase went into effect and they escaped the additional tariff. But they can't escape this year if rates remain high.

Like wheat growers, dairymen believe that labor should play its part in the readjustment and that wages in many lines should be lowered. Every farmer argues for a fair wage for labor but most think that certain classes of labor today are getting more than a fair wage, especially when the cost of living is declining.

Credit is another touchy subject with dairymen. They say that difficulty in obtaining money is keeping many farmers from buying stock. Demand is good enough, but prospective purchasers apparently lack the money to buy and can't borrow it on satisfactory terms.

Established dairymen have little complaint, especially in the Mulvane district, about getting loans. They state that the banks have cared for their needs, altho conservatively. Most of them, however, state that they have not lost money thru inability to get credit when it was necessary.

For a temporary emergency tariff on agricultural and dairy products, as well as on oils, senti-



Quality Holsteins Have Paid Well at Mulvane.

ment seems to be unanimous. Mark Abildgaard, superintendent of the Stubbs Dairy Farm, says dairymen have suffered heavily from the dumping of dairy products by foreign nations.

Great quantities of butter, he said, have been imported from Denmark and domestic prices vary according to the number of importations. A large shipment received in New York will force the price of butter or butterfat down. Dumping of this butter, profitable because of the favorable exchange situation, has prevented stabilization of prices, he said.

"We need a tariff also," said Mr. Abildgaard, "on oils used in making oleo and other oil preparations, which are brought in from foreign countries, to protect butterfat producers. I think dairy farmers desire a tariff on beef, sheep, wool and grain and this protection is especially needed now to stabilize prices."

The burden of high taxes is also felt by dairymen. Local taxes draw most criticism. There was not much apparent objection to federal taxes, altho all were considered high.

With the present prices of feeds and dairy products and prevailing prices of all commodities, dairymen are making as much profit today as they did a year or two years ago, Mr. Abildgaard declared.

"The cost of production," he continued, "is much less because the price of feed is low and wages have gone down. At the same time the efficiency of labor has gone up perceptibly. Dairying was not readjusted so rapidly as many other phases of farming. Prices came down in proportion as cost of production declined but nearly the same relative values were maintained. That is why dairy farmers are in better condition financially than others. There has been a shrinkage in values of stock in

which is invested high priced feed. That is where the dairyman has had to take his loss along with others. But the month to month production nearly always has shown a profit."

Talks with dairy farmers revealed that they are optimistic. Readjustment, with them, has come slowly. The price of milk and butterfat has declined as other prices fell, not ahead of them.

Apparently the need now is for easier credit to open an avenue for the disposal of surplus young stuff. The prices of purebred dairy cattle are down and new dairymen can get into business much cheaper than a year ago. The demand for purebreds is good but many farmers can't buy because they can't get credit. The sale of young bulls now is reported as especially slow.

To the condensery at Mulvane farmers are sending about 65,000 pounds of milk a day. Last fall 3.5 per cent milk was bringing \$3.70 a hundred pounds. Today the price is around \$2 a hundred. Farmers pay from 25 to 33 cents a hundred to get the milk hauled to the condensery. Most of it is hauled in trucks.

B. R. Gosney, living 5 miles northwest of Mulvane, summed things up very well: "We dairymen are optimistic. We are making a profit out of this business and the outlook is fairly good for this year. We won't make anything out of wheat unless the crop is unusually large because initial costs were too high. The low cost of feed is enabling us to come out ahead. We are much better off than the wheat farmer or the man with beef cattle. Certainly conditions could be better, and I think they will be. We are not getting into debt and we are still more than breaking even."

Out in Reno county I talked with Fred McMurry, a general farmer with a herd of good grade Holsteins. I had been talking with wheat farmers, asking if they expected to make money out of this year's crop. Few did. I asked Mr. McMurry if he expected to make any money this year.

Cows Insure Him a Profit

"Yes," he answered. "I can and will. My cows insure that. I think perhaps I can make some profit on my wheat if the yield is good. Manure keeps my soil in good condition. I don't think I would make anything if I didn't have cows, but with them I feel safe."

McMurry was very sympathetic toward the marketing plan of the Committee of Seventeen. He said he did not believe the failure of wheat prices to advance had turned farmers who held their grain, against co-operative effort in marketing but that it actually had caused many to realize that they must work together on a definite plan.

E. J. Hartmann, who lives 2 miles south of Great Bend, is another dairyman in an environment made up largely of wheat farms. He retails milk in Great Bend and has been making money. He is also a breeder of good stock, Poland China hogs and mules.

Hartmann says his cows have brought him a steady income that has saved him from financial embarrassment several times. His experience during the readjustment period has convinced him of the value of dairy cows on any farm.

The optimistic attitude of dairymen does not mean that they have not suffered during readjustment. They have. The value of their herds, including many high priced animals, has shrunk. Grain, some of them held, has decreased enormously. All have high labor costs in fall planted crops. Some will lose on this year's wheat crop no matter what the harvest brings.

Dairy farmers, like others, feel the need of national consideration. It is true that they are in better condition than grain farmers and livestock men. For that they are appreciative.

By no means, however, are conditions as they should be as a matter of fairness. The Emergency Tariff bill if it becomes a law, it is believed, will largely correct one evil and will tend to stabilize the market. But the dairyman, like everyone else, must buy manufactured commodities. The prices of many of these remain high but the prices of the products of dairy farms, both crops and milk and butterfat, have declined. The dollar the dairy man takes in still lacks its 1914 purchasing power.

Dairy farmers believe that prices of all commodities should decline or the prices of farm commodities should be increased. Some believe that a decline on the one hand and an increase on the other, will best solve the problem.

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Passing Comment—By T. A. McNeal

THE DISCLOSURE of the outrageous treatment of negroes in sections of Georgia, seems to have aroused a sentiment there in favor of at least reasonably fair play. The governor of Georgia has declared that the unjust treatment must stop. So far so good. But so long as the state of Georgia or any other state deliberately deprives black men and women of their political rights promised them by the Constitution of the United States, the blacks need not hope to get justice in other respects.

It may be readily granted that many of the blacks of the South are not fitted to exercise the right of suffrage intelligently. That unfortunately is true of a very considerable proportion of both the whites and blacks in not only the South but in the North.

If there was an educational qualification required for voters in every state in the Union and the law imposing the qualification were rigidly and impartially enforced it would work no hardship. It would on the contrary be a powerful stimulus to both races to acquire the amount of education necessary to be a voter, but when men and women are deprived of the right to vote on account of color it means that they will be given only such other rights as their white masters are willing they shall have and that applies to rights of property and rights of person.

French-Capper Truth-in-Fabric Bill

MORE than a tariff measure is needed to afford the wool growers adequate protection, is the opinion of J. B. Wilson of Wyoming, secretary of the Wyoming Wool Growers' association. In this I fully agree with Mr. Wilson. As long as manufacturers can make wool fabric out of shoddy and sell the same to the public as all wool goods a tariff will do the wool grower comparatively little good. Mr. Wilson says that he has sold wool at 10½ cents a pound when there was a tariff on wool of 11 cents a pound.

The French-Capper Truth-in-Fabric bill is designed simply to compel the manufacturers to be honest. They may manufacture shoddy goods but they must plainly label the goods so that the buyer will know just what he is buying. This bill has been reintroduced in the House of Representatives by Congressman French and in the Senate by Senator Capper.

The manufacture of shoddy wool goods has nearly ruined the sheep business in Kansas, just at a time when it was getting to be an important and profitable industry. If the French-Capper bill becomes a law I believe there will be a decided revival in the sheep business in Kansas.

The Electoral College

ONE OF the interesting persons who strolls into the office occasionally is S. C. Whitwam of Baldwin, Kan. Mr. Whitwam was a soldier in the Civil War. At one time during his service, right after the great battle of Franklin, he was in the hospital so near death that the surgeons had given him up. He was unconscious when his mother who had left her Michigan home to look after her boy, managed to get thru the lines somehow, reached his side and nursed him back, not to health but to a condition where he was able to get about.

Sam Whitwam never has been a well man since the war but he has managed to live to a pretty good old age, has endured a great many hardships, always has been an advanced thinker, sometimes he has been called a crank and yet on the whole he is rather conservative. He was one of the lieutenants of Dave Payne, the boomer, and with him was arrested a number of times and escorted out of what was then Indian territory, and which later became Oklahoma.

He published a paper in the interest of the Payne colony and when at last Payne and his followers won and the territory was opened Mr. Whitwam was one of the settlers. He also sat as a member of the legislature. He was a most enthusiastic advocate of the initiative and referendum and once was a candidate for Congress largely on that platform. Earlier he was a member of the Topolobampo colony in Mexico, but never lost his optimism or enthusiasm on account of the failure of any cause with which he was connected.

Just now he is greatly interested in a plan to reform the Electoral College so that representa-

tion will be more fair and so that some rotten borough may not have the power to override the wishes of voters in districts where there is reasonable intelligence and political honesty. For example in New York with Tammany in good working order and in control of the election machinery of New York City it has been in the past entirely possible for that rotten organization to control absolutely the electoral vote not only of New York City but of the entire state.

The way Mr. Whitwam proposes to remedy this wrong is by giving to every state two electors at large and a representative from every Congressional district. Every voter would under this plan, vote for three electors, two at large and one to represent his own Congressional district. The vote of a state in the Electoral College would not be a solid vote from any state unless one political party controlled not only the state at large but every Congressional district in the state. This would have changed the electoral vote in a number of states. It would for example have resulted in a few Democratic electors and one Socialist elector from the state of New York and at least one Republican elector from the State of Texas. Mr. Whitwam believes that it would result in breaking up the Solid South.

Personally, if I could have my way about it, I would amend the Constitution and do away with the Electoral College entirely. I do not think there is any sense in it. The people ought to have the same right to vote direct for President and Vice President that they have to vote direct for a United States Senator or a governor. But if that cannot be done then I am in favor of Sam Whitwam's plan.

The American Farmer

THIS is the sixth of a series of articles on the development of the American Farmer written by W. F. Ramsay of Mitchell county, Kansas. I believe the readers of the Kansas Farmer and Mail and Breeze have found these articles interesting and that this one will not be a disappointment. "Ten years ago," says Mr. Ramsay, "there was just one old gray headed farmer here in Mitchell county preaching the benefits of the Rochdale system of co-operation; today nearly all the farmers of the county are taking it up."

"The American farmer is in a class by himself; he is laborer, land owner, machinist, taxpayer, capitalist, gentleman, office holder and yet so sane, so sensible that the world without realizing it is beginning to follow his lead."

"When, 30 years ago the farmers were demanding a National Subtreasury System, they were greeted with a howl of derision from the wise men of the cities. Editors, bankers, and politicians were busy explaining to the farmers just how foolish they were; today in the Federal Reserve Banking System we have the Farmers' Alliance Subtreasury idea in actual operation. The Bethlehem Steel Corporation recently stated that out of 300 employees holding the most responsible positions in the corporation, 263 were born on farms. No doubt hundreds of other corporations could make similar statements."

"Some years ago the Iowa state board of control was asked where all the criminals in the state came from. The board did not know, but proceeded to make an official investigation. That investigation disclosed the remarkable fact that of the adult population in the state penitentiary 93 per cent came from the cities and towns and only 7 per cent from the country. In the reform schools of the state 99 per cent came from the cities and towns and 1 per cent from the country. While these figures seem astounding there is no reason to believe that the average moral standing among the farmers of Iowa is higher than that among the farmers of other states."

"Of the more than 3 million square miles of territory in the United States, 2,900,000 square miles is almost entirely without police protection. There among the farm lands of America peace and order reign, but in the crowded cities, where churches are most numerous, where magnificent cathedrals point their spires toward the sky; where school houses are most numerous and most ornate, where the outward show of civilization is the most impressive, the inhabitants are almost entirely dependent on police protection, on force. Only recently the country was astounded at the sudden outbreak of lawlessness in the city of Boston when the police force went on a strike."

"There is no effect without a cause; the striking difference between the peace and order of the farming population, without police protection and the comparative lawlessness of the cities, is the result of certain basic principles on which life in every locality is founded."

"In their constant struggle with the forces of nature farmers are brought together in common aims and are inspired by a spirit of common helpfulness. The people who live near one another are known as neighbors. The expression a 'country neighborhood' is understood by all, but did you ever hear of a city neighborhood? There are millions of dwellers in the cities who do not know even the names of those who live in the same house with themselves. City people are not engaged in a great struggle with the forces of nature as are the dwellers on the farms; they are engaged in a life and death contest with humanity; in a battle of wits with their fellowmen. The laborers organize trade unions to beat their employers; the employers form associations to fight the laborers. Saloons, gamblers and commercialized vice, graft on everything and everybody. In such a state of society the neighborly, friendly, helpful element is almost entirely lacking and the policeman's club must be relied upon largely to maintain order and protect life and property. Such a social organization breeds suspicion, strife and crime, while the very atmosphere of country life encourages friendly confidence and co-operation. That explains why so large a percentage of the criminals come from the cities and towns."

"The social parasites of the Nation are the product of city conditions. It is in the cities that corrupt rings such as the old Tweed ring and its successors are found. In the cities the bolsheviks, the gunmen, the I. W. W., the anarchists and other enemies of society gather and there too are hatched the schemes of high finance to prey upon the products of the Nation. Shrewd and selfish combines do not originate among the farmers. Farmers are not parasites; they are creators. With the aid of the beneficent forces of nature, sunshine, fertile soil and heaven-sent rain, they produce the crops which feed and clothe the world. They add to, not subtract from the wealth of the world and greatly lessen the evils of poverty and starvation."

"While all this is true now it was not true until the farmers began to think, to develop, to invent. The elite of modern inventors have been evolved from the grass roots; they have made the mechanical discoveries which have revolutionized industry, multiplied production and made luxuries which kings of former times could not enjoy, a common heritage. There are no aristocratic inventors. Watt, the inventor of the steam engine, was a mechanic employed about a college. Stevenson, father of railroads, was a 'troubleman' around a coal mine. Arkwright, inventor of the loom, was a barber. Hargreaves was unable to read or write. These men were the founders of the present economic age. John Deere with his plow, McCormick with his reaper, Brown with his corn planter, Marsh with his harvester, Haines with his header, Appleby with his self-binder, Wyant with his stacker, and hundreds of others who have devoted their lives to the evolution of modern farm machinery were either farmers originally or country blacksmiths."

The Gamble With Nature

MANY years ago I concluded that farming is a continual gamble. Nature sits in the game and deals most of the time. The farmer never knows when he plants the seed that he will ever reap a harvest.

Even if climatic conditions are favorable some pesky insect is likely to ruin his prospects. In the fall if he sows his wheat early the Hessian fly is likely to come along and suck the life out of the stalks, and if he waits until it is too late for the fly the weather may turn off dry and windy. Part of the grain does not sprout at all and the rest gets so small a growth that the winter kills it or the winds of March and April blow it out of the ground.

If he turns from wheat to alfalfa thinking he has a cinch, about the time he gets his fields well set and begins to figure on the value of his harvest, the alfalfa worm hits his crop and what the worm leaves the clover aphids cleans up. But if the ordinary farmer has to take chances out here in Kansas consider with what odds the fruit grower has to contend. In his case nature plays tricks on him

with loaded dice and just lets him win often enough so that he doesn't get entirely discouraged and disgusted and cut down his orchards and vines.

Nearly every year nature permits the trees to bloom in a way that delights the eye and fills the soul with enraptured anticipation and then turns loose a blizzard that kills the whole business and leaves the tree owner with not even a peach, a cherry, a pear or an apple.

If by chance some trees escape the first blighting frost, winter comes back with a return engagement and cleans up what was left. Never in the history of Kansas was there such a prospect for fruit as there was six weeks ago and probably never in any year in its history will the state have less fruit to show in the fall than it will next September.

There are times when Kansas reminds me of the story that is told of a man who settled out in the Panhandle of Texas. After he had been there some time he wrote to his brother back in Alabama. "If you haven't started for Texas yet, don't come. This is the most hellacious climate in the world. The other day I was driving a yoke of oxen across the prairie. One of them was sun struck and while I was skinning him the other one froze to death."

Is the Big Stick Necessary?

MY GOOD friend, H. A. Reynolds of Cashion, Okla., has just written me the following letter which is reproduced here for the benefit of our readers:

Your article on disarmament is good, but you forget that as long as life shall last there will be those who wish to get the other fellow's possessions without much physical labor. The man who produces, and saves a surplus for hard years, for winter and as capital must protect it by personal force or by organized effort, which we call government. Until all nations agree to cease expansion by force or by settlement and peaceable aggression, we must be prepared to hold our own, and provide for our natural expansion by treaties, diplomacy, and agreements, all of which are no good against improper persons unless there is a big enough chief behind them.

The more vigorous peoples will swarm, peaceably if they can and forcibly if they are able. Pacifism and non-resistance live by tolerance only, it means extension in the end. Force is king of the universe, and of body, nerve and mind. If you have too much and become dangerous, they will double upon you and put you down unless you keep yourself within bounds; if too little they will walk over you and crowd you out.

The more nations there are in our combine, the less they need to arm. But I think it will always pay when we lay aside our club, to watch where we lay it, and pick it up once in a while and give it a few swings to keep in practice.

Cashion, Okla.
H. A. REYNOLDS.
I regret to see that my old time friend is still held by the theories of barbarians and the cave man. If it is true that only by force of arms a nation can survive and if it is also true as Mr. Reynolds believes, that stronger nations will "swarm" over into the territory of weaker nations, then civilization has made no advancement since the days when the savage hordes of Northern Europe swarmed down into Southern Europe and destroyed the Roman Empire. If this theory is true then the smaller nations may as well abandon hope, for they are bound to fall a prey to the rapacity of stronger nations.

Financial Orthodoxy

MY FRIEND, Henderson Martin, of Lawrence, Kan., sends me a little pamphlet that he has prepared and published under the title "Financial Orthodoxy." The pamphlet is a criticism of the gold standard and I presume will call down on Henderson the wrath or the ridicule of orthodox financiers. From it I quote the following:

"We say our financial system is based on gold. We might with equal truth say that it is based on a hazard.

"It is not enough, however, to find fault with the theory of the gold standard. Society has made considerable progress by reason of or despite the theory and the man who questions it should suggest a substitute. If I undertake to make such a suggestion it is probable that you will have more admiration for my courage than for my prudence. My suggestion, however, is that human reason, faulty as it may be, is our finest possession and our safest guide, and when it comes to the question of how much money we shall have or whether our stock shall be increased, which do you say would be a safer reliance, human reason or the hazard of mining?"

"A financial system based on the intrinsic value theory is not a rational system. It is an irrational system. It is irrational for the reason among other things, that it is in no sense responsive to the changing needs of business. With such a system the quantity of money in the country is frozen.

"Business may demand an increasing amount of currency and credit, but currency and credit do not expand. They remain stationary or recede. I am suspicious that the gold standard or the intrinsic value theory of money is our greatest financial myth and that some of our financial views are as erroneous as the views of our forefathers concerning the nature and functions of human blood. Ultimately we shall hear little of the gold standard or of intrinsic value."

I will agree that Henderson's courage exceeds his judgment. His theory runs counter to that of the powers that are today and have been for a long time running the financial affairs of this Government. And yet these very men know perfectly well that the gold standard is a financial myth. They know perfectly well that the stability of our finan-

cial system, so far as it has stability, rests not on the fact that we have the gold standard but on the faith in the credit and stability of the Government.

Theoretically gold is the only money, all the other forms of currency are merely promises to pay money and yet if we were to undertake to do business on this only real money it would mean utter financial ruin. They know too that if our Government should go to smash every financial institution in the country would go to smash with it.

I believe the time will come when we will have a currency based not upon the intrinsic value of any particular commodity, but based on the relative exchange values of a number of leading products. In other words the only legitimate function of money will be to act as a convenient medium of exchange.

Our Industrial System

RECENTLY I picked up an advertisement of a Kansas bank which purported to give a brief history of 100 average men in the United States who started into business life on an equal footing at the age of 25. The figures are said to have been compiled from Government statistics by the American Bankers' Association.

At 35 years of age, according to these banker statisticians, 10 of these average hundred men are wealthy; 10 are in good circumstances; 40 have moderate means; 35 have saved nothing and five are dead.

At 45, three of the original hundred are wealthy; 65 are self supporting but without resources; 16 are dependent and 16 are dead. At 55, one of the original hundred is very wealthy; three are in good circumstances; 46 are self supporting; 30 are dependent and 20 are dead. At 65, one is very wealthy; three are wealthy; six are self supporting by labor; 54 are in poor houses or dependent and 36 are dead.

If the record had been followed up for 10 years more I presume that the six who at the age of 65 were still able to support themselves by labor would either be dead, in the poor house or dependent on others for a chance to live.

Now I wish to say, if these figures are correct—and of course the efficient business men belonging to the American Bankers' Association I assume would not publish figures that are not accurate, they are an appalling indictment of our industrial system. Analyzed they mean that between the ages of 35 and 45 all but three of these young men have lost all their savings and at middle age are facing poverty. Twenty years later more than one-third of the original hundred are dead and of the 64 still living all but 10 are either living on charity, public or private, while six of the 10 are earning a precarious living by labor.

Now it is not believable that out of every 100 average American men, only four are industrious, frugal and efficient. Furthermore I am of the opinion that if the investigation had been carried still further by these bankers, they would have found that the one lone man who is very wealthy and the three who are ranked as wealthy, are not the most admirable, the most intelligent nor the most public spirited of the original hundred.

Quite possibly of the four, three are bankers and the other a private money lender who has managed to escape taxation by investing his money in non-taxable securities, while the bankers belong of course to that peculiarly favored class who grow rich by collecting interest on what they owe.

When 96 per cent of the average American men find themselves after a life time of effort in their old age reduced to a condition of hopeless poverty and dependency there must be something wrong with our economic system, which the bankers who are supposed to be possessed of superior financial wisdom ought to find a way to remedy.

The Uselessness of Some Things

I KNOW a man who has accumulated a million dollars or who is reputed to have accumulated that amount and I think he has it. So far as I know he accumulated it honestly, I do not take stock in the theory that every man who manages to accumulate a good deal of money is a crook.

But the thing that rather grieves me is the fact that this man, who is rather a good fellow by nature, has become absorbed in the business of accumulating money and property. He worries more about the future than the average man who hasn't accumulated a thousand dollars. He has discovered that in these times a million doesn't give the possessor of it rank as a rich man and he wishes to rank that way. So he shortens his life by worrying and planning how he can accumulate another million. I wonder why.

He has far more than enough now to satisfy all of his reasonable wants and pay for all the luxuries in addition that any man ought to be permitted to have. In a few swift hurrying years his sojourn here on earth will be ended and he can't take a dollar with him when he goes.

I have concluded that the desire for wealth becomes a disease with a good many men. It comes to possess them body and soul. They really think of nothing else, desire to talk about nothing else and get enjoyment out of nothing else. The unconscionable profits made by business men during the Great War ruined a good many of them and did a vast amount of damage to the entire country. Peace has come and the same reasons for high prices that existed during the Great War exist no longer but the takers of big profits are not willing to let them go.

There is complaint because laborers are not

willing to suffer a reduction in wages, but why should they be willing to take a cut in wages when they find the cost of living practically as high as it was two or three years ago? In my opinion greed oversteps itself. If all kinds of business, wholesale and retail, had been willing to reduce prices to pre-war basis I think there would have been so much more business that the aggregate profits in the long run would have been as great or greater than they are under the present system and there would be a better feeling all around.

Perhaps, greed is not increasing in the world. Solomon said that the love of money is the root of all evil, which indicates that greed was doing business in his day the same as now. Greed is not only the basis of a great share of the crime in the world but it is after all the supremest sort of folly. It never has brought to a single human being happiness and contentment, but it has caused unutterable woe and distress.

Why should any man wish to possess a million dollars to say nothing of 10 millions or 100 or 500 millions? When he gets more than is sufficient to supply his reasonable needs, to keep him and those dependent on him in comfort, the remainder becomes a care and a burden, but it is a burden which once acquired few men are willing to abandon. On the contrary they seem to desire to increase the load. The more money they get the more greedy they seem to become to get more. Think of the folly of it.

A Better Outlook Now for Farmers

THE farming industry is slowly dying of economic inanition. When I first began creating a disturbance about it, I was pretty much alone on the job. Now, thank goodness, we have an Administration wideawake to the situation and the Nation is beginning to realize that what ails this country's life preserver, is not wholly a bad attack of after-war fever, but something deeper, such as evil economic conditions, long present and accumulating.

Our citizens, I think, are beginning to see that we must put our former 80-billion-dollar farming industry on an equal footing with the organized world of business and industry, or be prepared to suffer more and more from evil times when we should be enjoying good times. So on the whole the situation now seems very hopeful and encouraging.

However, I discover that when a person advocates something he stirs up a few dissenters at the same time that he makes converts. Because I demanded a square deal for the man on the farm, I have been accused on several occasions by Eastern journals, very well informed as to stocks and bonds but blissfully ignorant about agriculture and the real United States, of promoting class legislation.

One inspired Western critic with a commission to find fault and wishing to do a finished job, recently "branded" me as a "red." He also accused me of fomenting ill-feeling between farmers and business men—a strange act, if true, for one who is himself a business man.

I wonder in what category these critics would place Barney Baruch, the Wall Street millionaire, broker and banker. In a recent interview Mr. Baruch said:

"I do not believe the farmer receives a fair share of the value of his products. And this is aggravated by practices of under-grading, overcharging for services and under payment. The theory of my belief is that the farmer should be put on an equal footing with the man who buys his products.

"The problems of the farmer are also the problems of the man in the city. This is always true for if the farmer is not prosperous the man in the city who is indirectly dependent on the soil, cannot prosper. The man in the city is feeling the full weight of that truth at this time."

This, it seems to me, is pretty radical class talk, coming from a Wall Street man, altho I will admit it is identical with my own position.

In behalf of those defenseless classes against whom the champions of a powerful and implacable farming industry are waging this class war, I would quote a great truth which goes to the root of the whole matter. It was put in these simple words 500 years before the time of Christ by a famous Chinese philosopher:

"The well-being of the people is like a tree—agriculture is its root; manufacturing and commerce are its branches. If the root is injured the leaves fall, the branches break and the tree dies."

I wish this might be framed and hung in every office, shop and factory in the United States. All history emphasizes that the downfall of every bygone civilization and nation was preceded by the breakdown of its agriculture.

Eventually we pay and pay heavily for every short-sighted or wrong policy toward agriculture that we adopt, as well as for every far-sighted agricultural policy we fail to adopt. This inevitably reacts on general business and national welfare.

To attain a newer and stronger national stability resting on a general and genuine prosperity for all the people, the farmers of the land must have a square deal. That is all I ask. I ask it for them in behalf of all.

Arthur Capper
Washington, D. C.



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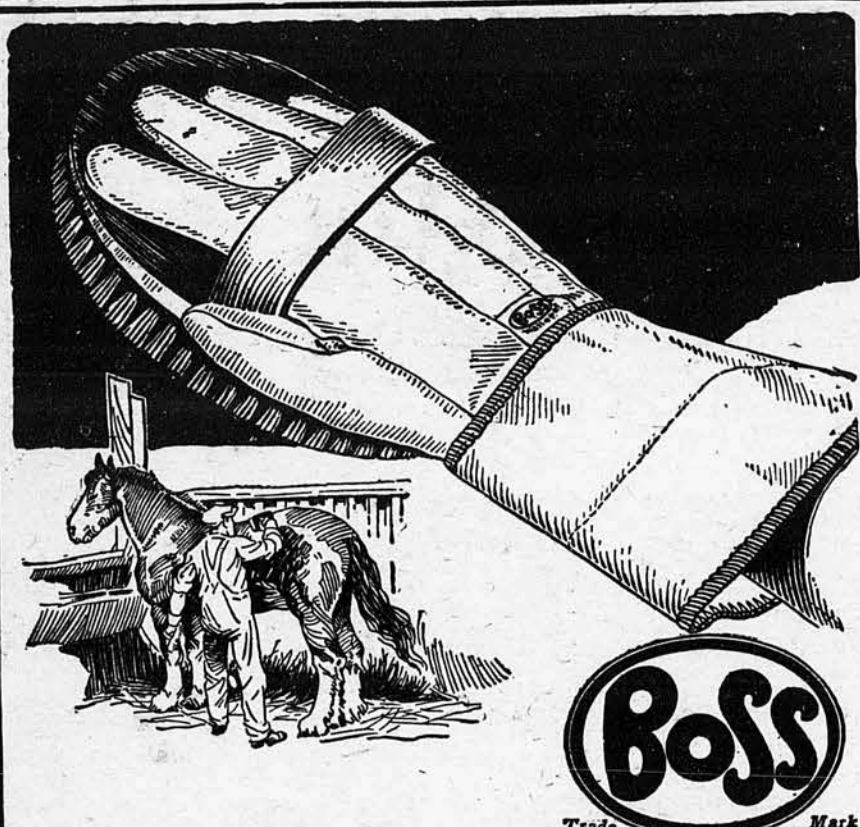
Every farmer who has a tractor of 18 H. P. or over can insure himself against loss of much or all of his yearly harvest—from bad weather and inability to get a machine when his grain is ready—by owning one of these little threshers.

The saving on one crop may be enough to pay for the thresher, which, with proper care, will last nearly a lifetime.

Made and guaranteed by a Company that has built grain threshers for 70 consecutive years. For threshing, separating, cleaning and saving the grain it cannot be excelled.

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Hang a pair up in the barn to slip on when you clean out the stalls. Have a pair in the shed to wear while splitting or sawing wood. Keep a pair in the machine shop for all repair work. Put a pair in the tool box of your car to wear while changing tires and tinkering round the engine.

Boss Work Gloves will protect your hands from dirt, grease, cuts, bruises and all minor injuries. They are tough durable gloves for all rough work. But they are so flexible that you get a free feel of the job in hand.

Ask for Boss Work Gloves by name. They come in sizes for men and women, boys and girls, and in three styles of wrist—ribbed, band and gauntlet.

THE BOSS MEEDY—best quality, medium weight canton flannel.
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THE BOSS LETHERPOM—heavy canton flannel with tough leather on palms, fingers and thumbs.
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THE BOSS MANUFACTURING CO.
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BOSS WORK GLOVES

When Writing to Advertisers Please Mention This Paper

Clips from the Farm Bureau

County Agents Plan Many Interesting Projects

BY RURAL CONTRIBUTING EDITORS

TWO co-operative livestock shipping associations have been started in Miami county recently by the Miami County Farm Bureau, working in co-operation with E. L. Rhoades, farm management demonstrator of Kansas State Agricultural college, according to Wm. H. Brooks, county agent. The organization of livestock shipping associations has been adopted as one of the major projects of the Kansas State Farm Bureau during the coming year.

himself in Butler county. Charles H. Stinson will take the place of H. J. Adams, Gray county agent, who has resigned to teach vocational agriculture in Cimarron high school. Mr. McCall is a native of Thomas county. Mr. Stinson was raised on a farm near Carlyle in Allen county.

Grasshoppers Damage Comanche Crops

Grasshoppers already have begun to appear in Comanche county, according to E. L. Garrett, county agent. Mr. Garrett says that in some sections of the county the grasshoppers threaten to do considerable damage unless they are controlled. He is advising the farmers to use the poison bran mixture. The following formula for this mixture is given by Mr. Garrett: Bran, 20 pounds; white arsenic, 2 pounds; 3 lemons or oranges; ½ gallon molasses and 3½ gallons of water. The arsenic and bran should be thoroly mixed while dry. Lemonade should be made of the lemons, molasses and water. The liquid should then be poured over the poison and bran and mixed until all parts are thoroly moist.

Johnson County to Have a Fair

In Johnson County the Farm Bureau, the Farmers' Union, the Grange and the Olathe Chamber of Commerce have united to put on an annual county fair, according to Chester E. Graves, county agent. The fair this year will be on a larger scale than ever before. Stock will be issued to provide for a permanent fair association.

Conference of State Farm Bureaus

The next conference of the presidents and secretaries of the State Farm Bureau Federations of the Middle West will be held at Huron, May 24. Plans for the part to be taken by the state federations in helping with organization work of the United States Grain Growers, Inc., will be discussed.

Bourbon Tries Co-operative Buying

Six carloads of cottonseed meal have been purchased co-operatively in Bourbon county, according to Avery C. Maloney, county agent. Mr. Maloney reports that the farmers were pleased with this method of buying since it enables them to save a great deal on every car.

Breeding Stock Wanted

Oklahoma farms are being stocked with hogs again after an 11-year decline in the hog population. Hogs are saving expense and making money for the comparatively few farmers who have kept their herds, and their thousands of neighbors realizing the fact, are stocking up, too.

Kansas breeders (small breeders as well as large) have an opportunity now to develop trade in a territory that will be buying good seed stock for years to come. Advertisements written for this class of buyers should be started in the Oklahoma Farmer and kept there as nearly continuously as practicable, changing the wording, of course, to keep them up-to-date. Large advertisements are not necessary; probably not desirable excepting in case of public sales or some special emergencies. A campaign for Oklahoma business such as you would conduct for your home state trade is best; a moderate sized card kept effective by timely copy changes. Just extend your instructions for advertising in the Kansas Farmer-Mail and Breeze to include the Oklahoma Farmer. Hand them to our fieldman in your territory or mail direct to the headquarter's address below. For the breeder suitably located, it is sound business to cultivate home trade and Oklahoma trade together. The Oklahoma Farmer and Kansas Farmer-Mail and Breeze together give the most complete advertising to farmers and new breeders of Kansas, Oklahoma, Texas and Colorado it is possible to buy.

Address your instructions: T. W. Morse, director of the livestock service, Capper Farm Press, Topeka, Kan.

The plant food must be dissolved by the soil moisture before it can be absorbed thru the roots and carried up to the stems and leaves by plant sap.

Welfare Center for Harvest Hands

The Comanche County Farm Bureau and the churches of the county are uniting in a campaign to organize a welfare center for harvest hands during the coming harvest, according to E. L. Garrett, county agent. Some work was done along this line in Comanche county last year, Mr. Garrett says. R. P. Schnacke, Pawnee county agent and Rev. P. L. Mawdsley, pastor of a rural church in Pawnee county, have been in Comanche county helping Mr. Garrett organize the work. The object of the work is to extend a hand of welcome to the migrant harvest hand and make him feel as if he were wanted and respected, Mr. Garrett says. The business men and churches of the county are co-operating in an effort to make this work a success.

Black Rust in Allen County

Many fields of grain in Allen county are affected with black rust, according to James A. Milham, county agent. Mr. Milham says the barberry is used as a winter host by this parasite and that fields of grain near where this plant grows are affected. The rust is now found on the wheat in the summer stage, Mr. Milham says. It is red in color at this stage but later turns into the black rust found on the stems and heads of the grain at harvest time. Mr. Milham says the only method of control is to make it compulsory that the barberry plant be destroyed.

Sheep Shearing Circuit for Sumner

A sheep shearing circuit has been organized in Sumner county and is meeting with splendid success, according to W. A. Boys, county agent. The circuit was so arranged that a shearer could be kept busy from the beginning of the shearing season to the end. Wool sacks and twine have been distributed by the Sumner County Farm Bureau. All wool in the county will be pooled and shipped in carload lots.

Ralph Snyder Moves to Manhattan

Ralph Snyder, president of the Kansas State Farm Bureau, is now on duty at the general offices of the organization at Manhattan. In the future he will give his entire time to the work. During the past few months Mr. Snyder has given most of his time to the "Committee of Seventeen" of which he is a member and to the Kansas legislature in the lower house from Jefferson county.

Cow Produces 46.5 Pounds Butterfat

The first month's work of the Marshall County Cow Testing association has been completed, according to Greeley Kirkpatrick, official tester. A cow belonging to D. W. Morrow was the leading cow in the association, producing 46.5 pounds of butterfat and 862 pounds of milk during the month. Six cows produced more than 40 pounds of butterfat in 30 days, according to Mr. Kirkpatrick.

More County Agents for Kansas

Several new county agents will begin work in Kansas during the next few months, according to A. F. Turner, assistant county agent leader. W. H. Rockford will take the place of H. S. Wise as Osage county agent. Mr. Rockford is a native of Osborn county, Kansas. He was graduated from Kansas State Agricultural college in 1919 and has since been handling a 640 acre farm in his home county. He begins work in Osage, May 15.

R. W. McCall has been elected county agent in Clark county, following the resignation of Floyd M. Pickrell. Mr. Pickrell's resignation takes effect June 6. He will take up farming for

Freight Bills—or Dollar Bills

Shall CANADIAN WHEAT Benefit

*The Railroads Only—or
Every Grain Grower
in the U.S.?*



You, Mr. Farmer, Have the Say

EACH year, Canada routes 120,000,000 bushels of wheat, or about 60% of her export, through the United States on its way to Europe. The United States gets the freight charge return—and **no more!** This wheat passes through our ports to turn the wheels of foreign mills—to **depress the world price for wheat and to lower yours.**

No tariff can change this condition. The one factor that determines whether you are to receive much or little for the wheat you grow is **the world price level** which is fixed in Liverpool, England, and which varies with the supply of wheat in the world market. The average amount handled in the world market is 650,000,000 bushels—of which Canada supplies almost a third. Therefore, if any part of Canada's wheat can be kept out of the

world market, the natural result will be an increase in the price you get for your wheat, at home and abroad.

The millers of this country, who are the farmer's best customer, buying about 80% of his wheat each year, have suggested a plan to stop Canadian wheat in transit, mill it in American mills, by American labor—and export it as **flour** under American brands. If this plan is adopted it will mean—

More U. S. wheat milled at home—More money for your wheat—More and cheaper dairy feed—More fertilizing elements for U. S. Farms—More work for American labor.

*To accomplish this, let the American Miller buy Canadian wheat, pay the duty and when he exports the same amount of flour, give him back the duty. The flour **MUST** go abroad—otherwise he loses the duty he has paid.*

THE first thing this plan will do will be to increase the use of American wheat in American mills. If the miller is to get back the duty he pays on each 100 pounds of Canadian wheat **he must export 100 pounds of flour.** But the 100 pounds of Canadian wheat makes only **70 pounds of flour.** Therefore, he must use 43 pounds of American wheat to make the total 100 pounds of flour which he must export in order to get his duty back. As the

farmer gets more for his wheat from the American miller than he does in the foreign market, every additional pound of wheat used at home will help to raise the price of wheat.

The plan will also increase enormously the supply of mill feeds which our dairy industry needs so badly. Every 100 pounds of wheat milled produces 30 pounds of dairy feed. Each million bushels of imported wheat milled and re-exported as flour

would leave in the U. S. 9,000 tons of dairy feed, in addition to the 4,000 tons produced from the enforced use of domestic wheat. This will most certainly reduce the price you pay. It will mean also, vastly increased fertility for U. S. Farms.

The plan, therefore, while it helps the miller, helps you, the American Farmer, far more. It assures you a bigger home market for your own wheat and a bigger price.

Congress is Working on the Tariff NOW---Act Quickly

A note to your Congressman and United States Senator will help to establish this draw-back privilege on Canadian wheat. Write them at once--they are working on the Tariff now. Or, if you wish more complete details, write us for the booklet--"The Tariff and the Wheat Price"--which tells the whole story.

Every grain grower, every dairyman, every farmer will find a message of vital interest in this booklet! Write today.

Association of Northwestern Millers' Organizations and New York State Millers' Association



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One of the popular
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\$150

The most cherished possession of the great singers and instrumentalists is their art, and their keenest desire is that under all circumstances they shall be heard at their best. It is in appreciation of this fact that the greatest artists of this generation have become Victor artists, and their unqualified endorsement of the Victrola is the most conclusive evidence of its artistic superiority.

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Annual White Sweet Clover
This is the new clover discovered by Prof. Hughes. All the 1920 crop of seed is exhausted. But seed of an early strain planted in Texas since Xmas has reached maturity. You can get it in time to raise a crop yet this year. Make big profits growing seed for yourself and neighbors. Order from The Henry Field Seed Co., Shenandoah, Iowa, or direct from The Grower Who Guarantees. The price is \$5.00 per pound.
THE DEGRAFF FOOD CO., DeGraff, Ohio

Free Catalog In colors explains how you can save money on Farm Truck or Road Wagons, also steel or wood wheels to fit any running gear. Send for it today.
Electric Wheel Co.
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makes a helpful breakfast and a profitable lunch for the worker who must be awake and alert during the day.

Grape-Nuts is the perfected goodness of wheat and malted barley, and is exceptionally rich in nourishment.

It feeds body and brain without tax upon the digestion.

"There's a Reason"

Clean Air Saves Engine

BY G. T. MITCHELL

Among the many phases of tractor lubrication which have received attention there are two which have not been given the prominence and weight which they deserve; they are the necessity for keeping the air passing thru the carburetor clean and free from sand, dirt or other foreign matter; and the necessity for correct carburetor adjustment.

The matter of clean air for tractor motors cannot be emphasized too greatly, for in a 4½ by 6 inch motor cylinder, operating at 900 revolutions a minute, there are approximately 99.21 cubic feet of air used every minute. In a 10-hour day 59,526 cubic feet of air pass thru the carburetor and into the cylinders of the motor. If the contamination of dirt or foreign matter is only 1-50th of a grain for every cubic foot, which is very low, there would be a total of 1½ pounds of foreign matter passing thru the engine in a 10-hour run, and as this matter is not combustible, it must be carried out of the cylinders with the exhaust gases if it leaves at all.

As during the compression and expansion strokes there is no movement of gases from the cylinder, a part of the foreign matter lodges on the cylinder walls and the combustion chamber, adhering to the oil film with which these surfaces are coated. That which adheres to the cylinder walls acts as an abrasive, scoring the walls and the piston rings, causing loss of compression and loss of power as well as increased fuel consumption. This action finally results in the necessity for expensive repairs.

The part of the foreign matter that is carried out of the cylinders passes thru the valve openings and a part of it adheres to the valves and valve seats and by their action the material becomes imbedded and by preventing the valves from seating properly contributes to loss of compression and increased fuel consumption and necessitates frequent grinding of valves.

Air Cleaners Serve Good Purpose

While that portion of the foreign matter which adheres to the combustion chamber and piston head does no direct damage, it is instrumental in causing carbon formations as has been proved in tests made recently, and it has also been proved that this foreign material forms a nucleus around which carbon will form more rapidly than if a smooth surface is maintained; also that the practice of burning carbon from the cylinders with an oxygen torch or any other means does not remove this objectionable foreign material. The best method of removing carbon deposits is to remove the cylinder head and scrape the surface clean.

If your motor is equipped with an air cleaner or washer, it is advisable to keep this device in good operating condition by frequent removal of the sediment or the dirty water. If it is not so equipped, some sort of an air cleaner should be installed and kept in working order at all times.

The matter of dilution of the lubricating oil in kerosene engines is serious in view of the high cost of good oils, for a lubricating oil of high quality will not function properly if diluted with kerosene or gasoline, and the frequent renewal of the crank case oil materially increases the cost of tractor operation.

How Kerosene Causes Trouble

As kerosene has a higher boiling point than gasoline and is more difficult to vaporize in the carburetor, a certain part of the fuel carried into the cylinders is not vaporized, but is carried along with the charge of air and fuel as finely divided drops which, when they reach the cylinder, collect into larger drops and adhere to the cylinder walls and passing by the piston rings find their way to the crankcase where they dilute the lubricating oil. To obviate this it is necessary to keep the carburetor adjustment such that the fuel supplied is the least that can be used consistently with a smooth running motor, and while this may result in a slightly higher temperature, a well designed radiator and circulating system will be able to take care of any excess heat which may develop, and the resulting saving in lubricating oil will be considerable.

As carbon collects in the cylinders and as the valves become leaky after considerable use, the tendency will be

to offset the sluggishness of the motor so occasioned by making the carburetor mixture a little richer. This should be avoided and the carbon should be removed and the valves ground as needed, for any attempt to offset the troubles by carburetor adjustment will only result in increased fuel consumption and a more rapid dilution of the crank case oil with the resultant cost of oil for renewal.

Any oil in the crank case of a motor will become diluted after continued use, the length of time required for this to take place depending in a large measure upon the quality of the oil and the fuel used. Kerosene will cause crank case dilution from five to seven times as rapidly as gasoline, therefore if one is using kerosene, he should drain the crank case of the tractor after from 10 to 12 hours of running and then refill with fresh oil, while if gasoline is used for fuel, the oil may be run from 50 to 80 hours before refilling.

Keep the motor cylinders clean, the carbon removed, valves ground and fitting tightly, the crank case filled to the proper level with a good motor oil, your carburetor adjusted for as lean a mixture as the engine will handle and still run smoothly. If these suggestions are followed, any well designed motor will give good service over a number of years.

Cattle Round-Up at Hays

Perfect weather and excellent roads combined with a most interesting program helped to make the Cattle Round-Up at Hays one of the most successful stockmen's meetings ever held there. Fully 2,000 persons were present at the mid-day lunch served at the Fort Hays Experiment station, Saturday, April 30. At night after the close of the exercises of the day an elegant banquet was served at the Brunswick hotel to about 100 special guests of Prof. H. L. Kent, superintendent of the Hays Experiment station. Among the speakers present were Dr. W. M. Jardine, president of the Kansas State Agricultural college; Dr. C. W. McCampbell; J. H. Mercer, state livestock sanitary commissioner; J. C. Mohler, secretary of the Kansas state board of agriculture; M. L. McClure of the Federal Reserve Bank of Kansas City, Mo.; Senator E. E. Frizell of Larned, Kan., and several other prominent stockmen.

Chief interest was centered in the feeding tests being conducted at the Hays Experiment station under the direction of Dr. C. W. McCampbell and on which reports were made by him. These experiments were made to test the following things: First, to show the value of straw and silage as the basis of a winter ration for mature cows; second, to show the relative value of a dry roughage and a succulent roughage as a winter ration for growing steers; third, to show the value of silage and straw as the basis of a ration for wintering lambs; and fourth, to show the value of silage and straw as the basis of a ration for wintering mature ewes. Lack of space will not permit us to go into all the details of the six lots of mature cows used in the first test, but it was found that the cows in Lot 11 receiving 2 pounds of cottonseed meal a day in addition to all of the wheat straw they would eat increased during the feeding period extending from December 21, 1920 to April 20, 1921, about ½ pound daily to the cow. This Dr. McCampbell said was a fairly satisfactory increase in weight. Satisfactory results also were obtained from the ration fed in Lot 13 where the cows received all the wheat straw they would eat and 30 pounds of silage a day. The best results, however, were obtained when a combination was used of all the wheat straw the cows would eat, and 30 pounds of sorghum silage daily with 2 pounds of cottonseed meal fed daily. For increasing the weight on producing beef cows during the winter season wheat straw alone and sorghum silage alone did not prove to be satisfactory.

The second experiment planned to show the relative value of dry roughage and succulent roughage as a winter ration for growing steers started December 21, 1920, and will run for three years. During the past winter the lot fed daily 11.73 pounds of wheat straw with 1 pound of cottonseed cake made a daily gain of .53 pounds as compared with the lot fed 21.25 pounds of sorghum silage and 1 pound of cottonseed cake that made a daily gain of .50 pounds daily. This experiment is to run for two more years.

The Farmers' Service Corner

BY TOM McNEAL

Advice in regard to legal matters and farm questions is given in this department free of charge. Address all inquiries to the Farmers' Service Corner, Kansas Farmer and Mail and Breeze, Topeka, Kan.

Applying for Patents

Where should one apply for a patent and can one desiring a patent apply for the same himself? How much are the Patent Office charges, and how long will it take to find out whether one will get a patent or not? F. M.

The person desiring a patent can make application to the Patent Office either in person or thru an attorney. You should first send to the Patent Office authorities and ask them to send you the necessary blanks for filling out your application. You will have to make out your application and swear to the same. The fee required to accompany the application is \$15. I cannot say how long it will require to find out whether you will get a patent or not. When you send your application you send with it a written description of the invention and of the manner and process, of making, constructing, compounding, and using the same, in such full, clear, concise and exact terms as to enable any person skilled in the art or science to which it appertains or with which it is most nearly connected, to make, construct, compound, and use the same. When this application is filed in the Patent Office, an examination is made by an expert to find out whether this conflicts with any other patent or whether it has a principle which is new and patentable. If it is determined that it is patentable you will be notified; if it is not, it is my opinion that your \$15 will be returned, but of this I am not absolutely certain. I would suppose that you ought to be able to find out whether your invention was patentable within, perhaps, a month or two months.

Mother's Pension

A went to war two years ago and left B with three small children to support. A never returned and has not been heard from. B cannot get any clue of him. Can B get a pension? A great many tell B she can, and she is anxious to know. She has no way of support for herself, except by day washing. M. S. D.

She should be protected by the Federal Soldiers' Insurance. She should write to her member of Congress and have him take the matter up with the War Department and find out whether this insurance is in force. If the insurance has lapsed, then she should make application for a pension. Of course, the War Department or United States Pension Department would demand fairly conclusive proof that the husband is dead before granting a pension, but if the insurance is in force she should be getting the benefit of it.

Can He Collect Damages?

The pastures of A and B lie side by side, with a hedge fence between, of which both take ordinary pains in keeping up. C put some purebred heifers in A's pasture, and B's bull, a grade of different breed, got thru the hedge and bred one of C's heifers. The bull was not naturally breechy. C claims damage from B. A. Z.

If this hedge fence was a legal fence, that is, if the people of that county had voted for it so as to make it a legal fence, and it complied with the requirements of the law, I am of the opinion that C cannot collect damages from B. If, however, the hedge fence was not a legal fence, then I am of the opinion that he can collect damages.

Divorced Woman's Rights

Miss Smith married Mr. Brown. Mr. Brown died. Mrs. Brown then married Mr. Green. Afterward they were divorced. What name can she carry? Can she take back the name of Mrs. Brown or can she take back the name of Miss Smith if she chooses? W. H. B.

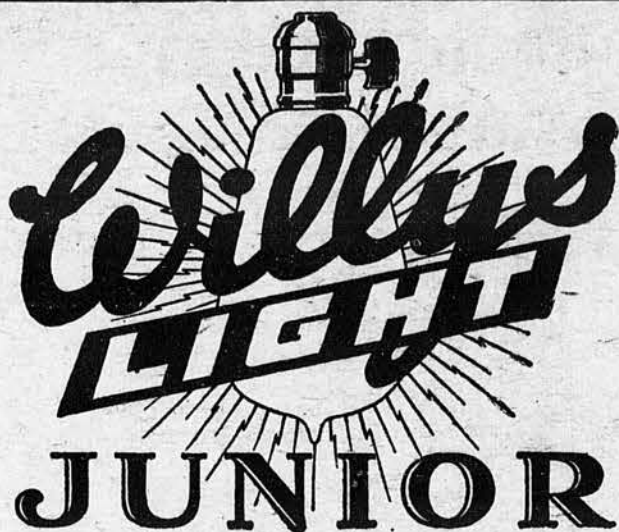
In her petition for a divorce she might ask to have either her name, Mrs. Brown restored, or her maiden name of Miss Smith. It would be within the discretion of the court to grant either request, and in all probability they would comply with your wishes in the matter.

Notice to Quit

Is it necessary to serve notice to quit and surrender the possession of real estate on both the husband and wife in Kansas? D. A. L.

No. Notice served on the husband would be sufficient.

The dairy farmer gets his check every month.



Only \$295

Rock Bottom Prices are Here

EVERY home in North America can now afford electricity. The demand for lower prices has been met. Never before in the history of farm light and power have such values been offered. Think of it! A standardized electric light and power plant big enough for light and small power needs for only \$295.

This price is only possible at this time because of intensive effort directed to engineering and production plus a determination on the part of Auto-Lite to meet the farmer

more than fifty-fifty on price reduction NOW. Rock-bottom prices are here.

Willys Light Junior is a smaller plant. In every other respect it measures up to Willys Light in quality. It is air-cooled, has the wonderful Auto-Lite engine generator and standard voltage. Willys Light Junior puts electric light and power within the reach of every one.

600 Watts—32 Volts—80 A. H. Battery, \$295; 160 A. H. Battery, \$365; 240 A. H. Battery, \$435. All prices F. O. B. factory.



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1,250 Watts—32 Volts—160 A. H. Battery, \$525; 240 A. H. Battery, \$595. All prices F. O. B. factories.

Wonderful Dealer Opportunities Available

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"Green" straw stacks indicate wasted grain. You can stop this costly, unnecessary loss on your farm if the machine that threshes your grain has The Grain-Saving Wind Stacker. This Stacker saves the grain the threshing machine wastes—puts your grain in the sack and NOT in the straw stack.

The Grain-Saving Wind Stacker is the improved Wind Stacker with the grain-saving trap which catches the grains and unthreshed heads that otherwise are blown to the stack and lost—due to faulty adjustments of sieves, improper regulation of blast, excessive speed variations, careless feeding, etc. Farmers, threshermen and agricultural experimental stations testify that the saving averages one to three per cent. more grain.

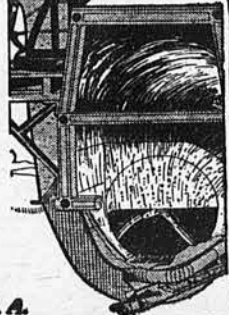
Leading manufacturers of threshing machines in United States and Canada have adopted this Stacker. Many supply it exclusively. Others can supply it, if you demand it, and insist upon having it. Specify The Grain-Saving Wind Stacker on the separator you buy or hire this year. Accept no other! Ask your dealer or any threshing machine agent, or write us giving make and size of your machine.

The Indiana Manufacturing Co., Indianapolis, U.S.A.



The GRAIN-SAVING Wind Stacker

Partial View (into hopper) showing grain trap near stacker fan.



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Oat Seed Treatment—to each three gallons of water add one ounce of Formaldehyde. With this solution wet every seed by soaking or sprinkling. Then cover for ten hours with sacks dipped in Formaldehyde solution. Dry out grain by spreading on clean floor. Stir repeatedly with clean implements. Your dealer has our Formaldehyde—one pint treats 40 bushels. Send for new Hand Book.

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Sure death to pocket gophers, ground squirrels and prairie dogs. Easy to use. Save your alfalfa and other crops. Satisfactory results guaranteed. 1000 tablets \$2.00.

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The Climax Will Cut and Elevate With Less Power Than Any Other Machine

Climax knives are thin and straight edged—the easiest possible knives to grind and to keep sharp. They are easy to adjust—one operation adjusts all three knives.

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Free Catalog and name of nearest dealer sent on request—fully illustrated—gives details and specifications of all sizes. Stocks carried in different centers for quick shipment.

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The Jayhawker Farm News

BY HARLEY HATCH

A rain of 1½ inches stopped corn planting for several days last week. The cool and wet weather following the rain held back the corn already planted but it was just what grass and grain needed. Many are beginning to fear that wheat is going to make too rank a growth, as it did in 1919, especially those who have the grain growing on bottom ground. I never have seen wheat look better than it does now at the beginning of May but oats were thinned somewhat by the Easter freeze. Oats are growing and stooling well but do not seem likely to make as good a crop as farmers had last year.

Pasture Rates \$8 a Steer

Pasture prices seem to have settled down to about \$8 a head for mature cattle and \$10 a head for horses. I do not know what will be done with all the prairie grass here this year. Very few are expecting to do much commercial hay business this year as there are still large stocks left over from last year which cannot be sold for enough to pay for baling, hauling and shipping charges.

Lower Livestock Prices Expected

That many who are posted on financial conditions are looking for still further price drops in cattle seems certain. At a recent livestock meeting in Nebraska a representative of one of the largest commission firms in the country was present. He was asked to make a talk and immediately was questioned by the cattlemen present as to the future market outlook. He admitted that it was to the interest of the firm he represented to handle as many cattle as possible but said that he was there to tell the truth and because of that could not see anything that looked good in the immediate future. In fact, he strongly indicated that stock cattle which are selling now for \$7 a hundred would likely by next fall be bringing no more than \$5. This also seems to be the word many bankers are getting and a large number of farmers also fear that further price reductions are to be made. It is this condition which is likely to result in a short cattle supply at some time within the next three years.

Kansas Soils Produce Well

There are better corn soils in many localities than is found here on the average uplands but I know of no part of the country in which wheat has produced so well as it has produced here since 1916. Oats also produce well. Under favorable conditions corn yields heavily here. The corn on this farm last year made 60 bushels to the acre for every acre planted but that was the best crop ever raised here. I have raised a number of 40-bushel yields and one 50-bushel yield but taking the 25 years I have lived here I should say that the average yield for that time on this farm was not far from 25 bushels. I have not

raised less than 35 bushels of oats to the acre nor less than 20 bushels of wheat since 1916.

Eastern Kansas is an excellent country, better looking in many parts than other localities where land sells for three times what it does here. It is this, I think, that disappoints many who come here from other states and buy land. They see how excellent it apparently is and buy it around \$80 an acre expecting it to produce as well as the land they have just left and which sells for \$300 an acre.

Many Cattle Shipped to Market

Large numbers of common stock cattle have been shipped from this part of the country during the past six months. Most of them are steers and heifers. This is a complete reversal of the usual order of things. I know of several lots of young stock being shipped out. One lot consisted of 2-year-old heifers which should by all means have been kept on the farms of this county, while another lot consisted of 2-year-old steers. These cattle are going out because their owners think that cattle are going still lower and if they kept them and paid an \$8 pasture bill they would be certain to be losers next fall.

Stockmen Meet at Manhattan

One of the most interesting events at the Kansas State Agricultural college this year was the ninth annual Kansas Livestock Feeders' day held in Manhattan on May 7. The address of welcome was delivered by Dr. W. M. Jardine, president of the Kansas State Agricultural college and the response for the cattlemen and visitors was delivered by John Edwards of Eureka, Kan., who is president of the Kansas Livestock association. Other interesting addresses on the morning program were made by J. C. Mohler of Topeka, Kan., secretary of the Kansas state board of agriculture, and C. H. Gustafson of Chicago, Ill., chairman of the "Committee of Seventeen." At noon an excellent lunch was served by the Block and Bridle club of the Kansas State Agricultural college that was enjoyed by all.

At 1 p. m. there was a parade of the prize winning livestock owned by the animal husbandry department of the college. This was followed at 1:30 p. m. by an address delivered by W. W. Turner of El Paso, Texas, president of the Texas and Southwest Cattle Growers' association. Then came reports of the feeding tests conducted at the college during the past year and the following addresses: "Feeding Fattening Cattle for Market" by Dr. C. W. McCampbell, "Feeding Stock Cattle" by Prof. H. B. Winchester, "Feeding Lambs for Market" by Prof. A. M. Paterson, and "Feeding Hogs for Market" by Prof. F. W. Bell. There was a good attendance of farmers, feeders and livestock men and the reports and discussions proved of great interest to all present.

Kansas farmers cannot hope to be in the most independent position in the marketing of their grain until storage space is available on the farm for every bushel produced.

Who'll be the End Man In This Sales Tax Minstrel Show?

BY RAY YARNELL

A LONG time ago a chap made a remark about a wolf parading in sheep's clothing. That observation is pat today and always will be. The fellow who has something to "put over" whether it be a skin game or a legal bit of "good business," always dresses his proposition as attractively as possible—puts on a good front.

Witness the sales tax. That is a beautiful theory. It sounds reasonable and fair. As a theory it probably is an excellent plan. There seems to be no doubt but that it would raise the revenue all right. It probably would be 100 per cent efficient in that respect.

The sales tax plan is well dressed and presented—it has a good front. Many nice things are said about it and it is introduced as the gentleman who will remove the burden of taxation.

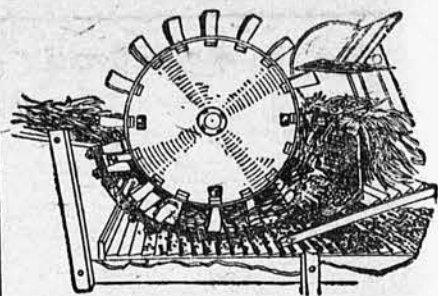
Sure it will—from the shoulders of the folks who are supporting it—business men and corporations. They object to the excess profits tax, saying it is a burden on business.

Under the sales tax, they say, the tax burden will be more equitably divided. Naturally, because it will all be passed on to the consumer.

And the beautiful part about it is that along with the sales tax there is a quite wonderful opportunity for every man to tack on a little margin for the trouble of passing it along to the next fellow.

What are you going to do when the sales tax gets to you on everything you buy? Someone is trying to make an end man of the consumer.

A wolf, even in a sheep's pelt, snaps when he is punched with a sharpened stick. Try it out on the sales tax.



Insurance Against Waste

Thousands of bushels of grain are wasted by incompetent and badly designed threshers. This means a loss for farmer and thresherman as well. There's no loss in the

Red River Special

This is the thresher that beats out the grain. Doesn't wait for it to drop out. The "Man Behind the Gun" and beating shakers do the work just like a man used to do by hand with a pitch fork.

The grain goes into the wagon—nothing goes to the stack except straw and chaff. Hire the man with the Red River Special to do your threshing. You will save your thresh bill. Gail Britton, of Monticello, Indiana, and 5 other farmers say:

"We are all strong for the Red River Special, and it is no wonder we like it because it saves all of our grain."

Don't take any chances with your crop this year. Save every kernel with a Red River Special. If interested in a thresher for individual use, ask about our "Junior" Red River Special.

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Pays for itself in saved grain. 12-inch inside ventilator—dries and cures grain perfectly. No weevil or mold—no loss from fire, lightning, weather, rats, birds, mice or thieves. 1-piece metal floor—guaranteed not to sag, warp or buckle. A new Martin feature. Interlocking, non-sagging patent joint seam roof. Reinforced door frame, storm-proof anchorage. Easily erected—no up-keep cost.
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HIGH GRADE TUBE FREE WITH EACH TIRE

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32x3 1-2 S.S.	10.23	34x4 1-2	14.19
31x4	11.39	36x4 1-2	14.47
32x4	11.71	36x4 1-2	14.87
33x4 S.S. only	12.14	38x6	15.35
34x4 S.S. only	12.45	37x6	16.75

State S. S. or Clincher. Send \$2.00 deposit with your order. Tire shipped balance C.O.D. with section left unwrapped for examination. If not satisfactory, return tire and advise us at once. Deposit will be promptly returned as soon as tire is received.

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SUPERFINE AND SUPERSTRONG

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Sweet Nectar from Alfalfa and Clover blossoms, gathered by the ever-busy bees, and ripened into fragrant, delicious Honey for your table. THEBESTO Rocky Mountain Honey is thicker and sweeter than most other honey; it is whiter in color; the flavor is so mild you never tire of it.

The quality of the honey I received is all that could be desired. I am sending for 10 pounds more. Will tell my friends about it. We can get honey here, but not like THEBESTO Honey. —John Black, Barnard, Kans.

SAVE MONEY BUY THEBESTO Honey in Economy Cans direct from the bee keepers. Hereofore most Rocky Mountain Honey has gone to Eastern markets in carload lots. Now you can buy Pure Extracted Honey — the MOST ECONOMICAL form — direct from the producers in pails of any desired size: 5 lbs. \$1.50 10 lbs. \$2.50

Parcel post paid west of Ohio River. Colorado Honey Producers Association. 1460 Market St. Denver, Colo.

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Write for free booklet on blackleg, No. 352.
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Health in the Farm Family

BY DR. CHARLES H. LERRIGO

Service in this department is rendered to all our readers free of charge. Address all inquiries to Dr. Charles H. Lerrigo, Health Department, Kansas Farmer and Mail and Breeze.

Best Treatment for Constipation

For several weeks I have been laying aside all of the letters written to me about constipation, so that I might cover the whole in one broad answer. I'm not sure that it is possible, for there are so many letters and so many different questions asked on the subject. One person is sure that her sluggish liver is the cause, and another is positive that his constipation is caused by piles, altho he admits that it may be possible that the piles are caused by the constipation. One patient has taken everything from oil prescribed by the doctor to black-draught bought at the village store. The patients are too fat or too lean, sallow or pimply, nervous or sleepy, and in fact they present all possible symptoms.

Constipation can be cured in most, but not in all cases. Sometimes it is a symptom of some serious ailment that impedes the motility of the bowel, dries the mucous membranes so as to withdraw all moisture from the stool, or opposes a mechanical obstruction to evacuation. Such diseases as acute fevers, Bright's disease, chronic appendicitis, chronic proctitis, paralysis or cancer are marked by constipation to such an extent that the bowels must be moved by special medicines and enemata.

The curable cases are those in which the patient is in ordinary good health, but is obliged to take pills to get the bowels to move. Often this patient is afflicted with headaches, "dark brown taste" in mouth, dry tongue, feelings of heaviness and lassitude. Any complaint that can produce such wretched feelings is worth some little trouble to cure.

Make up your mind that you never will be cured by medicine. The first essential is to establish a habit of giving the bowel operation regular attention. Give 15 minutes' time to it every day at a certain and particular hour, preferably just after a meal, and go whether there is any inclination or not. Plan to have an indoor toilet so that cold or wet weather will not deter you.

Eat food that has enough "roughness" to stimulate the bowels to action. Such food is in the coarse articles of diet such as the leafy vegetables, whole wheat bread, bran muffins or biscuits, and raw fruit. Raisins are very helpful to the bowels and a bread made of white flour, graham flour, and cornmeal in equal parts, with the addition of raisins and molasses is one of the best palatable helps to freedom from constipation.

In addition to eating proper food you must drink enough water. Two to 3 quarts a day is about right. Tea and coffee usually are rather constipating. Be very moderate in their use. In some cases men have been much improved by quitting the use of tobacco.

At first it may be necessary to help the bowel action by a small enema of water, especially if the patient has piles. Begin with a quart of warm water. But each day that it seems necessary try to reduce the amount of water used, and make it a little cooler. A small enema of cold water is not objectionable. Constipation causes piles, but once in existence piles also cause constipation. This disease should have surgical attention.

Exercise is necessary of course. Most of you do take exercise, perhaps, in plenty, but a little special attention to your abdominal muscles will do much to relieve your constipation.

How to Remove Moles

Please tell me a simple remedy for removing moles from the hands and arms. S.

The removal of moles by any home treatment is not wise. Have it done by a doctor who uses the electric needle.

Faulty Vision Causes Headache

I have been having sick headaches which for the last three weeks seem to be coming more frequently. They usually come on me after I make a trip to town altho not always. At times they last only an hour or so and are always gone by the next morning. What is the cause and what is the cure? MRS. J. M.

All of your symptoms point to faulty vision. Glasses with proper lenses will relieve you.

Sealpax

A Better Athletic Underwear
Sold in a Cleaner way



Always in a Sealpax Envelope

Wear Sealpax and keep cool—

You'll appreciate Sealpax Athletic Underwear. The cool, nainsook fabric is so light-and-breezy, the athletic cut is so free-and-easy you hardly know you're wearing underwear. Sealpax is made of quality material in a quality way to give you freedom and comfort. Sealpax is an athletic underwear that's a health and comfort underwear—and it wears a long time.

Every Sealpax garment comes in an individual sanitary envelope—a better athletic underwear sold in a cleaner way. Price \$1.25.

If your dealer can't supply you write us. Send for "The Sealpax Family" Booklet, describing the entire Sealpax line. Address Dept. O-1.

THE SEALPAX CO., BALTIMORE, MD.

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Sealpax
for Women



Sealpax
for Children

Free to Boys!

P - A - B - L -



Can you fill in the missing letters in the two words above? It's easy. Try it. If you can, write Geo. Cobb and he will tell you how you can get this Base Ball Outfit, consisting of a Bat, Base Ball and Fielders' Glove without it costing you a cent.

The Bat is 28 inches long, bottled shape. The kind Babe Ruth used in making his home-run world's record last year.

The Fielders' Mitt is made of tan leather, well padded and is just what you need to catch high flies and stop red-hot grounders.

The Base Ball is a good one and will stand lots of hard playing. It's of regulation size, has horsehide cover with rubber center. It is closely stitched, will not break or tear loose.

This dandy three-piece Outfit is just what you need—it will help you win many a game for your Home Team. Send in your name and address TODAY, and I will tell you how you can get this Outfit FREE.

Address your letter to GEO. COBB, 201 Capper Building, Topeka, Kansas

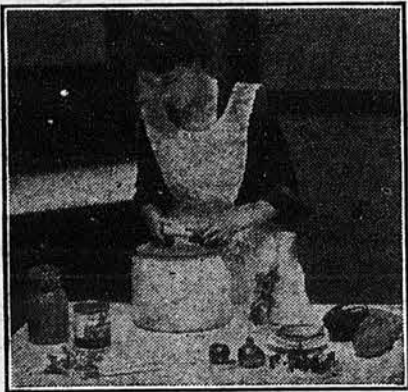
Our Kansas Farm Homes

Mrs. Ida Migliario
—EDITOR—

Fiber Foods Sweep Stomach

BY MRS. NELL B. NICHOLS

Reckoning time comes every few days when mothers ask: Are vegetables and fruits getting a fair chance in my kitchen? Are my children eating sufficient amounts of these foods? Good health is one of the greatest assets any person can have. The foods one eats influence his well being, particularly the health of little children



Celery is a Good Fiber Food.

whose bones, muscles and other body tissues are growing. Therefore no family diet is complete without the liberal use of vegetables and fruits 365 days every year—366, when it is leap year.

These foods help keep the body in tune. They contain those necessary mineral substances which build new bone and repair the old, help make blood and keep the different parts of the body working together.

It is difficult to keep all the housework running smoothly. How much more difficult it is for the different parts of the body to function properly, for the stomach, lungs, heart and other organs to assume their part of the work! This is regulated largely by the minerals, many of which are found abundantly in vegetables and fruits.

In addition, these foods help keep the body clean. Their bulk, or fiber, sweeps out the stomach just as the broom sweeps the floor.

Vegetables and fruits are the richest sources of substances called "vitamines." These materials are essential to growth and to good health.

Then there is that question of flavor, the something which makes a meal taste good or bad. If fruits and vegetables contained nothing except their great variety of flavors, they would be worthy of a place in every meal. They have more. They have the power of nourishing the body.

It is an art, this serving of vegetables and fruits day after day without giving the family a chance to tire of them. It means, first of all, that these foods must be canned for winter's use when the gardens and orchards are bearing. There must be skill in cookery to cook and serve these foods differently so the family will not tire of them. It takes the use of cookbooks, magazines and papers to find new recipes. But the effort is not in vain. Good health is more valuable than gold.

Saving Mother Power

BY PEARL HALEY PATRICK

We measure light by candle power, tractors by horse power, labor saving machinery by man power and in every instance the thing measured is greater than that by which we measure it, but what is greater than mother power? Finding nothing greater, can we even find anything to measure up to mother power? Can aunt, grandmother or neighbor do her work as well? No. They may equal, even excel her in certain ability, strength or efficiency, but unto her own family, mother and mother alone is sufficient.

How can we conserve mother power? Why, by conserving mother, of course! We do not burn candles when the elec-

tric lights are gleaming; we do not wear out "Dobbin" when the gasoline engine grinds the feed; we do not wear out the hired man when some other power pumps the water, but what about mother? She ably looks out for the rest of us and should look out for herself, but does she?

Sometimes mother is the most wasteful spender when she is spending mother power. Watch her, you husbands, sons and daughters! If she gives out you can't replace her and you'll have to face what comes alone.

Of course if you have a motor car you have a bathroom; if you have a tractor you have electric lights and a washing machine and if you have things conveniently at the barn you have them just as convenient in the kitchen. But what about the little things?

If mother keeps your socks darned do you keep hinges and a latch on the gate or is it propped up with a stick?

If she sews on buttons for you do you plane off that dragging door that is rubbing the carpet and is an annoyance every time it is shut or opened? Do you mend that broken back step that threatens life and limb?

If she cooks herself to cook your favorite dessert do you cheerfully get out the car and take her to church, even if you would rather lounge around and smoke? Have you provided ample food hoppers for her hens or must she still make frequent trips to feed them? Do you take care of the heavy work in the garden or was that strawberry bed ruined for lack of mulching? Did you fence the yard so she could have flowers in peace, or does her tidy soul drive her forth many times a day to "shoo" fowls or scrub the porch after them?

Are you pleasant at meal time? Remember she is just as tired as you, and you both need cheer and encouragement.

Do you encourage her to have pretty and becoming clothes or does she buy all the pretty things for the girls? Yes, of course, it is her own fault if she does, but nine times in ten she will, and feel older and look older. And you want mother young, don't you, and happy and attractive? Becoming clothes are a tonic to any woman, let mother know you expect her to have them.

And in a hundred other ways your own heart will suggest, conserve the mother power in your home.

An Adventure in Business

Sixteen college girls from Colorado and Kansas, representing the west central field of the Y. W. C. A., will spend six weeks of next summer's vacation in Denver working in various kinds of industries which require unskilled labor.

The company will include two girls from the Kansas State Agricultural college, two from the University of Kansas, two from the Kansas State Normal, two from Washburn college, one from Fairmont, one from Friends university, two from the University of Colorado, two from the Colorado Agricultural college, and two from Colorado college. The girls will work in laundries, 5 and 10 cent stores, packing houses, garment factories, candy and cracker factories, and in domestic service in private homes.

Since there has been no provision made for this experiment in the Y. W. C. A. budget, the girls will pay their own way to Denver, but after their arrival there they are to pay all their expenses with what they earn.

The purpose of this experiment is to find out first hand how the industrial girl lives, and what her problems are, and to give the college girls a sympathetic and intelligent understanding of the industrial world and its problems.

What About Runabout Age?

BY MARGARET A. BARTLETT

A RIGHT start is of inestimable value in rearing a child properly, yet it amounts to but little in the long run if the good care, careful feeding, and systematic training are dropped after the first few weeks of helpless babyhood. Tho there are countless mothers who start out with the best intentions, there are many who carry them no farther than the cradle. There are many others who, tho regular and systematic with their first baby, grow lax with the second, and if more come, rear them in a still less careful manner.

Modern methods of infant feeding and child training are no passing fancy; they are the result of much thought and study on the part of the medical profession and the student of psychology. If a mother, therefore, desires to give her children the best care and training possible, she must keep up her study of childhood's needs and carry out the knowledge she has gained just as long as she has her little ones about her.

Because a baby is able to run about and get into mischief is no indication that he is able to eat anything and everything, to go without his nap, and sit up late at night. At that period of his life—the runabout stage—he is oftentimes in the greatest need of careful attention. As a baby in arms his wants are few, and he can do only those things you let him do. But in the runabout state he is capable of helping himself to any food that happens to be within reach, or raising an outcry over being put to bed or being deprived of some plattered object, and those in attendance grow less strict about what he eats and the hours of sleep he has.

The result often is that the child in his second year has lost all the sturdy robustness of his early babyhood, yet few mothers are alarmed about it. They have heard that the runabout baby loses weight during his second year, and they believe it, without stopping to consider that it never is right for a healthy person to lose weight noticeably. Had the same systematic training been adhered to after the child began to "assert himself," the second year would have found him in every sense as strong and healthy as during his infant days, tho his form would have undergone changes and his weight would not have increased greatly.

There is the later period between babyhood and school age, when many youngsters grow into the habit of "looking out for themselves." It is the time when health forming habits should be most carefully formed. If at that period the child can be trained to eat properly, at meal times only, to enjoy a plentiful amount of sleep, and to demand a maximum of fresh air, he will be a stronger child. At that period, also, he is most in need of the proper moral and mental training. The little plastic mind is ready to receive all impressions, good or bad, and it is the duty of every mother to fill the receptive little brain with the best, most lasting pictures.

Even after school age is reached, training must be kept up. There is no time when the mother can feel that the time has come to grow lax. With every year a child changes; with every year comes a change in the training that is required.

This must be kept up not alone with the first child, but with the children who follow as well. Because the first child is strong and healthy is no assurance that the second will be, regardless of the care he has. The same careful feeding and regular hours for everything must be as strictly adhered to with the fifth child as with the first.

Plants with Wet Feet Die

BY RACHEL RAE

Do you know that the great difference in women's ability to grow plants in the window is a matter of watering them correctly? Plant watering is a science. It rests on sound principles, and if we will learn these we will find the watering much easier.

No real plant grower ever waters her plants every day. Plants should be watered so the ball of earth will be soaked thoroughly. They should not be watered again until the earth is dry enough so it will just stick together when pressed between the fingers, but will shatter if tapped lightly.

I have seen plants setting in saucers that contained water, and for days they would be kept thus. Few plants would stand this, and I suppose not one woman in a dozen who lost plants would suspect that standing with wet feet was the cause. Saucers are often a nuisance just because they are not kept empty of water.

Women's Service Corner

Send all questions to the Women's Service Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.

Lemon Juice for Blonde Hair

I would like to know if using peroxide on the hair kills it. My hair is light and an ugly color. What can I do for it?—A. R.

Do not use peroxide on your hair to lighten it. It will ruin the hair, making it streaked, dry and brittle. If the hair is shampooed carefully and all the soap thoroughly rinsed out and the juice of half a lemon added to the last rinse water, the hair will remain light.

Steel Wool Cleans Paint

Can you tell me what to use to clean paint and varnish from windows?—Mrs. G. N. B.

Fine steel wool dipped into a mixture of wood alcohol and a friction powder should remove paint and varnish from glass with little work. This may be used also to clean mirrors and glass in doors of furniture. It does not scratch. Steel wool is also a help in the kitchen. It will clean china or cut glass as well as aluminum and granite.

Signature of Married Women

How should a married woman sign her name to legal documents, if her husband is living; and as clerk of the school district how should she sign papers and order blanks?—Mrs. C. D. R.

A married woman whose husband is living should sign her own name to legal documents.

High School Subjects at College

To whom may I write for information regarding the high school subjects given at the Kansas State Agricultural college?—G. M.

For information about the high school study courses given at Manhattan, write to the Director, Home Study Courses, Kansas State Agricultural College, Manhattan, Kan.

Copper Teakettles are Durable

I should like to know what kind of a teakettle is the best and lasts the longest.—Mrs. C. D. R.

Most housekeepers prefer the aluminum teakettle which has proved highly satisfactory. Nickel plated copper teakettles are durable also.

Renewing Ribbons

Is there any way of renewing ribbons that have been washed?—Mrs. M. H.

If the ribbons are taffeta, squeeze them thru a suds of good soap and soft water and then rinse thoroughly in clear water. Then rinse in a solution of 1/2 pint of water and 1 teaspoon of sugar. Press dry between two cloths.

Dyeing with Copperas

Please give me directions for dyeing with copperas.—Mrs. S. M. L.

I suggest that you write for this information to Miss Louise Glanton, Clothing Dept., Kansas State Agricultural College, Manhattan, Kan.

Gingham Time is Here

Checks, Figures, Stripes—All are Good

BY MRS. HELEN LEE CRAIG



FASHION is turning her eyes to gingham for summer. There is every pattern imaginable on display. Some of the new dresses are of plain gingham, others are of plaid, striped or checked. Gingham also are being combined into summery frocks with organdie and dimity. These are usually trimmed with splashes of color appliqued on with colored thread. Tissue gingham is a favorite, too.

9838—Girls' Dress. The blouse is cut on coat lines and is worn with a plaited skirt. Sizes 6, 8, 10, 12 and 14 years.

9914—Women's Apron. Variation is shown in this bungalow apron in the narrow panel which is made in one with the front section of the skirt. Sizes 36, 38, 40, 42 and 44 inches bust measure.

9907—Girls' Dress. This gingham frock is made "different" by the outstanding pockets at the sides. A Peter Pan collar of organdie lends style and a narrow leather belt is worn with the

frock. Sizes 4, 6, 8, 10 and 12 years. 9832—Women's Dress. The fronts of this pattern are cut away to reveal a vestee of contrasting material, and cross in surplice effect with a tie at the back. The skirt is gathered all around. Sizes 36, 38, 40 and 42 inches bust measure.

9879—Women's Skirt. There are two gores to this separate skirt. The front gore is laid in plaits while the back is gathered. Sizes 26, 28, 30, 32, 34 and 36 inches waist measure.

9822—Women's and Misses' Dress. The basque waist is tight fitting and the skirt is draped on one side. The sleeves and skirt are joined to an underwaist. Sizes 16 and 18 years, and 36, 38, 40 and 42 inches bust measure.

These patterns may be ordered from the Pattern Department of Kansas Farmer and Mail and Breeze, Topeka, Kan. Price 15 cents each. Give size and number of pattern desired.

Farm Home News

BY MRS. DORA L. THOMPSON

It has been said that one of the best ways to keep up to date with all modern inventions and ideas is to study the advertisements in magazines. "An ad education," some one has called it. Many companies have what they term an educational department. Considerable money is spent to get people to know what the product is, how it is made and why it is desirable.

Some years ago, a large oil company provided schools with a number of glass bottles of oil showing its appearance in various stages of refining. A cotton manufacturer had a similar exhibit of cotton. A chart contained pictures of fields of cotton, an actual plant, pictures of the gin, some ginned cotton and the seed and the thread in various stages of cloth manufacture.

Recently the seller of a phonograph in a nearby town came with one of his machines and four young men. They sang with the machine's accompaniment, played musical instruments with it and in various ways entertained a crowd gathered for a social time. The same progressive advertising is being used in our school program for the week end. The salesman for a farm electric light plant has offered to light the school house for the evening and to provide a moving picture show. There is no charge for the service. He undoubtedly expects the effort to help him sell more plants. The school children expect it to help them in their effort to provide a fund for a last day of school celebration.

For their celebration, the children plan to have a picnic in the afternoon, a supper for school patrons and a pro-

gram in the evening. The majority of the fathers are too busy with field work to take time for an afternoon program.

Alas! Our expectations of a bountiful fruit crop will not be fulfilled. We have hopes yet for some berries and some late apples. To help supply the gap made by loss of cherries, plums and early apples, we have bought some boxes of dried fruit. To make the best use of these we have soaked most of the fruit and cooked it in cans with sirup to suit our taste. There is considerable economy in buying these fruits by the box. The cost in each case was 4 and 5 cents a pound less than when fewer pounds were purchased.

Most rural clubs that are not allied with the state federation or with the college extension department, work in a desultory fashion much as a student studies at home. The advantages of some directions "from above" seem to be mainly in the line of definiteness in programs, in work, and in getting in touch with people from other communities.

An interesting club of farm women in our county is the Rural Hope club of Thompsonville, consisting of more than 40 members, with homes in the country and neighboring towns. This club has found many advantages from being federated. At a recent meeting the wives of several members of the state legislature were invited. Some of them were from the short grass country and could tell first hand stories of prairie fires and burned homes. Some were club workers in other towns, willing to tell what they were trying to do for themselves, and their communities. All, it seemed, were interested readers of Kansas Farmer and Mail and Breeze.

Let the Children in, too!

It's no longer necessary to maintain a dividing line at the breakfast table—tea or coffee for grown-ups—no hot cup for the youngsters

Serve INSTANT POSTUM

to each member of the family, and all will be pleased and benefited by this pure, wholesome cereal drink.

"There's a Reason" for Postum
Sold by all grocers

Made by Postum Cereal Company, Inc.
Battle Creek, Michigan.

1847 ROGERS BROS. SILVERWARE

FOR more than seventy years this brand of fine silver-plate has been first choice whenever quality has been considered. If you want the best, buy this silverware with confidence. The unqualified guarantee is always present to insure full value.

Leading dealers sell
"1847 Rogers Bros."
or can get it for you.
Ask for it by full
name. Address Inter-
national Silver Co.,
Meriden, Conn., for
folder E-75 illus-
trating other patterns.

*The Family Plate
for Seventy Years*

Teaspoons
Six for \$4.00

Louvain
Pattern

INTERNATIONAL SILVER CO.

When Writing to Advertisers Please Mention This Paper

Insure the gathering of the entire crop by using
good twine—the old reliable

McCormick—Deering—International



This is Not a Year for Twine Experiments

THE difference between the price of poor twine and good twine varies from 3 to 6 cents per acre. The difference between the cost of poor twine and good twine cannot be measured by any such small change as pennies and nickels. Out in the harvest fields when time is money, this difference must be figured in dollars. And you pay this difference, with heavy interest, if you use poor twine.

When the Bundle Breaks

Suppose you are harvesting the crop on a fifty-acre field and you have a break of one bundle per acre. What is it worth to stop the binder 50 times to make 50 adjustments? And will you get by with an average of but one broken bundle to the acre? Whenever your past experience has included twine troubles, what did the cheap twine really cost you?

International Harvester twines have quality woven into them. Uniform length means uniformity in thickness; there are no extremely light and heavy places to cross in the knotter when the thin strand passes through the heavy strand without knotting. These twines are correctly twisted so that they will not kink and snarl when running from the ball.

INTERNATIONAL HARVESTER COMPANY

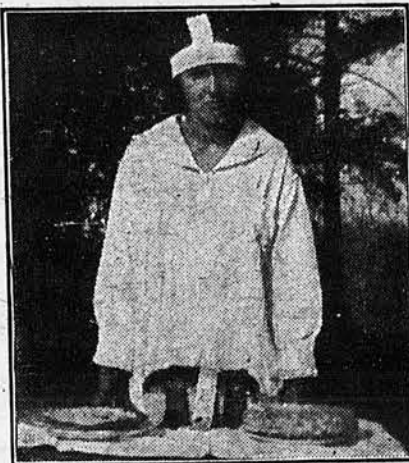
CHICAGO OF AMERICA U.S.A.
92 Branch Houses and 15,000 Dealers in the United States

For Our Young Readers

BY KATHLEEN ROGAN

Did you ever hear of a bread baking hobby? There is one Kansas girl who bakes so much bread and takes so much pride in trying to make the best quality of bread that it really has become a hobby with her. This girl is Edythe Brune of Leavenworth county. She baked 408 loaves of bread from May 18 to November 5 last year. Besides doing the family baking, she made bread for a neighbor and for the housewives whom she helped during the threshing season.

This young baker can boast of quality in her bread as well as quantity.



Edythe Brune.

tity, for last fall she exhibited some of it at the Kansas Free Fair at Topeka, the Kansas State Fair at Hutchinson and the Leavenworth county fair, and won prizes on it at every place, besides being awarded a free trip to Manhattan Farm and Home Week. Isn't that a good record?

Edythe is one of 10 members of a girls' bread making club organized in May, 1920. The club plans to do big things this year. In speaking of it, Edythe said recently, "We had some good times last summer, one of which was a picnic with the pig club boys. We held our club meeting after the dinner and then Mr. Chapman, our county farm agent, and some of the neighbors took us in cars for a trip in the country. We gave our yells and sang club songs along the way. I certainly have enjoyed my club work, and believe all girls and boys should belong to some kind of a club, as it would help them a great deal. Three cheers for club work!"

Stella Gertrude Nash.

Can You Guess?

Who never cried over spilt milk? The answer is easy when you once find the scheme of solving the numbers. If you can discover it, figure out the answer and send it to the Puzzle Editor, the Kansas Farmer and Mail and Breeze Topeka, Kansas. There will be packages of postcards for the first six boys and girls telling us who it is that never cries over spilt milk. But besides this, there will be a pretty little surprise gift for the boy or girl who writes the best little story about the answer to the puzzle. It is what most little girls—and boys, too—have. If you have one, you may tell about it.



The answers to the April 30 puzzle are sunflower, pansy, tulip, lilac, dollar, quarter, dime and nickel. The first six boys and girls to get their answers in are Harold Arthur Totten, Ruth Dwyer, Robert Muir, Louise Schmitt, Helen Swanson and Viola Taylor. To them go the packages of postcards.

Do your best and stand by it. If it is your best, you have no cause to be ashamed, no matter how it turns out, and remember that a man who never made a mistake never made anything. —Take It From Dad.

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OIL AND GAS WELL
DRILLS**

Portable and Tractor
Sizes for all Purposes Including
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says Thomas Carter, Bridgeport, Neb., about



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Save Money!!

The offers below allow you a handsome saving from the regular rates. No agent's commission allowed. The subscriber gets all there is by accepting these offers and sending the order direct to Kansas Farmer and Mail and Breeze.

Kansas Farmer and Mail and Breeze....	Club 10 All for
Household.....	
Capper's Weekly.....	\$1.75
All One Year	

Kansas Farmer and Mail and Breeze....	Club 11 All for
Gentlewoman.....	
Household.....	\$1.25
All One Year	

Kansas Farmer and Mail and Breeze....	Club 12 All for
Woman's World.....	
People's Popular Mo..	\$1.35
All One Year	

Kansas Farmer and Mail and Breeze....	Club 13 All for
McCall's.....	
Good Stories.....	\$1.65
All One Year	

Kansas Farmer and Mail and Breeze....	Club 14 All for
American Woman....	
People's Home Journal	\$2.00
All One Year	

Kansas Farmer and Mail and Breeze....	Club 15 All for
McCall's.....	
Household.....	\$1.80
All One Year	

Kansas Farmer and Mail and Breeze....	Club 16 All for
Capper's Weekly.....	
Pathfinder.....	\$1.90
All One Year	

NOTE—If you should happen not to find your favorite magazines in these clubs, make up a special club of your own and write us for our special price. We can save you money on any combination of Kansas Farmer and Mail and Breeze and any two or more other magazines you want.

Kansas Farmer and Mail and Breeze, Topeka, Kansas.

Enclosed find \$..... for which please send me all the periodicals named in Club No..... for a term of one year each.

Name.....

Address.....

At all Grocers!

THE next time you order Coffee, be sure to ask your Grocer for TROPICAL Coffee. The perfect blending of the best coffees from all the great coffee countries gives it distinctive, satisfying flavor.

TROPICAL COFFEE

Packed in Vacuum Cans

Your grocer and over 5,000 other grocers sell and recommend TROPICAL COFFEE. Why? Because it pleases their customers.

Tropical Coffee tastes as good as its aroma.

Ask for Tropical Coffee

**C. A. MURDOCK
MFG. CO.**
KANSAS CITY, MO.



Have you noticed how many of your neighbors are now reading Kansas Farmer and Mail and Breeze every week?

Capper Poultry Club

Our Chicks are Thriving and Running Everywhere

BY MRS. LUCILE ELLIS
Club Manager

CONGRATULATIONS, girls, on the good work you are doing with your chickens this year. I am immensely pleased with the reports for April which are now coming in, for they show a much larger number of eggs gathered than did the March reports. When a club girl writes me that she has been gathering seven or eight eggs almost every day, I know it is because she is giving her chickens the right kind of feed and care. When she says that she has a good-sized flock of strong, healthy chicks, I know that this, too, is because of the balanced ration she is feeding her contest pen



Of the Aristocracy

chickens and the exercise she is compelling them to take. Esther Hensley of Morris county is a new member, but her last letter shows that she's anything but a new hand when it comes to caring for chickens. She wrote: "My chickens surely are doing fine, and I gathered more eggs this week than I ever did before in one week. I have 100 little chicks and some more eggs to hatch soon. I feed my chickens grain, oyster shell, green feed and keep plenty of fresh water before them. I keep straw in their pen and put the grain in it, so they will have to scratch for it." We hope you'll continue to have good success, Esther.

"That line in our club song, 'How our chicks are thriving and are running everywhere,' surely applies to my chickens," wrote Claire Jamison of Cloud county recently. "Papa made some good coops for me and I keep the hens shut in them, but allow the chicks to roam around. My, how they hustle!"

Talking about enterprising girls, it would be difficult to surpass Laura Moellman of Lyon county. Laura writes me that an oil station is being put in just a mile from her place and that several families will live there this summer. After the hatching season is over Laura plans to sell them fresh eggs. Can't other club girls find similar opportunities in their neighborhood?

Fun to make out monthly reports as long as you can raise some fine pure-bred chickens, is the opinion of Gladi-

ola Bowman of Coffey county. "The ones who are not members do not know how much fun they are missing, do they?" wrote Gladiola. "Anyway, I think it is fine. We have two nice, new coops for our little chickens and this makes it easier to care for them." Indeed it does make it easier to work if one has the proper equipment, and Capper club girls are pretty much up-to-date when it comes to equipment. Many of them invest a large share of their profits and prize money in this way.

There has been a little misunderstanding among new members in the pen department as to how to fill out the monthly reports, a few thinking that feed raised at home or given to them by their parents need not have a value put on it, others valuing the eggs used at home at the price they would sell them for hatching. In order to make the contest fair for all, every club member should value the feed her chickens eat, even if she does not have to purchase it herself. Eggs used at home should be counted as a part of the income, altho only a market price value should be put on them. Members of the mothers' division should also put a value on the feed their chickens consume. But while the mothers may purchase eggs for hatching or breeding stock, the girls are to set only eggs laid by their contest pen hens, and only chickens hatched from these eggs are to be considered in their contest work. Income from chickens raised last year is not to be included in this year's reports. Don't forget that every member is to keep a copy at home of the monthly reports she sends me, so as to have the information needed at the close of the contest in December.

A petition has been signed by all Capper Poultry club members, asking the weather man to treat them better this month than he did in April, and not send any rain on their meeting days. Cowley, Republic, Linn, Kearney, Rooks and Miami have held meetings since the last story was written, but the Shawnee county girls and several other teams got rained out. Bertha Daudy, leader of Shawnee, said, "I invited the girls to bring their pep with them, but next time I'll tell them to bring their umbrellas to keep their pep dry." Bertha has called another meeting for this Saturday and I'm sure there'll be a lot of stored up pep exhibited. There isn't much room in the club stories for news and that's where the little county "newspapers" come in and do their duty. The first one for 1921 is "Linn County Squawks and Squeals," of which Elsie Morrell is editor. Elsie will tell you that it isn't a very difficult feat to get up a paper—that all you have to do is to collect county club news and tell about it as interestingly as possible.

Little bits of club news,
Little jokes a few,
Make a county paper,
Good for all of you.

Vacation days are at hand now, so let's see what other counties can do. The Lyon county girls tell me they'd like to subscribe for a few live papers. Let's don't disappoint them.

It's Easy to Ship Eggs

THE one thing that makes for ket after first wrapping each of success more than any other is them in a thin layer of paper and thoroughness—the doing of a task enough excelsior to make a ball in the proper manner. Just now, club members are receiving orders for hatching eggs and I'm sure they wish to know how to ship them with the best results. A stiff cardboard carton or egg box, similar to the one in the illustration, may be used, but one of the best methods is to use a common market basket well lined on the bottom and sides with excelsior. The eggs should be packed tightly in the bas-



person receiving eggs for hatching should place them on the small end in bran for several hours to let the germ regain its normal position.



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Rains Help the Spring Crops

Corn, Wheat and Oats Show Big Improvement

BY JOHN W. WILKINSON

GOOD rains fell in most of Kansas during the first half of the week which was of great benefit to gardens, pastures, corn, oats, potatoes, wheat, alfalfa, and other crops. Nearly every part of the state received from an inch to 3 inches or more of rain and the soil is now well supplied with moisture. Warm weather and plenty of sunshine will soon put all crops in good condition.

In the weekly report of the Kansas state board of agriculture for the week, J. C. Mohler, secretary of the board says:

"Showers and local rains were reported in most parts of the state for the week ending Saturday, May 7. The weather bureau reports the rainfall as heaviest in the northeast, ranging from 1 1/2 to 2 inches there. Lighter rains also fell in the central part of the state where it has been extremely dry for the past two weeks. The average over the central and northern wheat belt would probably amount to 1/2 inch for the week. While this moisture will be of benefit to the wheat, it is not sufficient and hopes are expressed by reporters that the wet weather will continue until the soil in that section is thoroughly soaked. In the southeast the soil is quite wet and cultivation has stopped for the time being. Cool, cloudy weather nearly all week was not conducive to the growth of corn. Frosts on Sunday and Monday nights put back the growth of potatoes and gardens in the eastern and north central section of the state, especially on river bottoms. This has been quite a setback to potato growers in the Kaw River Valley in which is located the state's largest commercial acreage of potatoes.

"Corn needs warmer weather. About three-fourths of this crop has been planted but this work is being delayed because of cool temperature, and in some sections fear of considerable damage by cutworms is expressed. County agents report a smaller acreage of corn in the northern corn growing counties this year than last. The planting of grain sorghums has started in the southeast and south central sections and seedbeds are now prepared in the more northern counties."

The local conditions of crops, livestock and farm work in the state are shown in the following reports from the county correspondents of the Kansas Farmer and Mail and Breeze:

Anderson—We have had several days of chilly weather but it is beginning to warm up again. Not much damage has been reported from the freeze of May 3. Farmers are planting corn, however, a few are still plowing and cultivating. Very little farm products are changing hands. Whole milk is worth 55c; butterfat, 27c; wheat, \$1.15 and eggs are 15c.—J. W. Hendrix, May 5.

Brown—Wheat and grass are excellent but oats are very poor. Farmers are beginning to plant corn but the ground is still cold, however it works good. Fruit was all killed by the frost, except berries. Wheat is worth \$1.10; corn, 43c; cream, 26c and eggs are 15c; hogs, 7c.—A. C. Dannenberg.

Chautauque—The weather has been rather backward for growing crops and things do not look very well. Pastures are very late. Prices of farm products have gone so low that farmers are very discouraged. Cattle and hogs do not pay for the cost of raising them. The fruit prospect is very discouraging. Butterfat is worth 30c; flour, \$2.25; bran, \$1.05; sugar, 10c and eggs are 12c; shorts, \$1.15.—A. A. Nance, May 7.

Cheyenne—The past week has been cold, with sleet, rain and snow flurries. Vegetation is at a standstill, except wheat and it is making a satisfactory growth. Fair warm weather is needed to give grass a start. There is an abundance of moisture. Oils and gas have taken a drop from 3c to 4c a gallon.—F. M. Hurlock, May 7.

Clay—We have been having cool nights but warm, sunny days during the past week. Crops are growing satisfactorily, except alfalfa and oats. If the weather is favorable farmers will begin listing corn next week. Small herds of cattle being put on pasture. Wheat is worth \$1.10; corn, 40c; flour, \$2; bran, 90c; butterfat, 25c; butter, 20c and eggs are 14c; shorts, \$1.10; oats, 30c.—P. R. Forslund, May 7.

Coffey—We are having plenty of moisture. Wheat is excellent. Oats and alfalfa are growing satisfactorily. Stock is on pasture. A few farmers have planted corn. A large number of little chicks are being hatched as feed and eggs are cheap. A large acreage of alfalfa has been ruined by the clover aphid. Charges for pasture are from \$6 to \$8 a head for the season.—A. T. Stewart, May 5.

Cowley—Wheat and oats are making a rapid growth. Corn is coming up and is a good stand. Potatoes were set back by the freeze but are coming on nicely again. All kinds of stock are on pasture and are in excellent condition. Hogs are worth \$6.15 to \$6.50; oats, 25c; hens, 17c; and corn is 30c; kafir, 25c; creamery butter, 38c; country butter, 30c; butterfat, 34c.—L. Thurber, May 2.

Elk—The weather during the past week has been cool and damp. The aphid is disappearing and alfalfa is greening up again.

Pastures are good and are nearly all filled. Farmers are planting corn. About the usual acreage of corn is being put in. Eggs are worth 13c and wheat is \$1; cream, 23c; kafir, 35c.—D. W. Lockhart, May 5.

Ellsworth—Farmers have begun planting corn but the ground is still very cold. We had a very heavy rain April 24 and the ground is very wet. Many acres have been sown to barley where oats and wheat were previous to the frost. Government report of condition of wheat is far too high for this country. Hundreds of acres of wheat are entirely gone. Wheat is worth \$1.10; butterfat, 28c and eggs are 13c; hogs, 7c.—W. L. Reed, May 7.

Ford—The weather during the past week has been cool and dry. Wheat is excellent. Oats and barley which were killed by the freeze have been resown. Farmers are planting corn and the ground is in good condition. Potatoes were hurt by the late frost. Stock is on grass but the cool, dry weather is keeping grass back. A few public sales are being held.—John Zurbuchen, May 7.

Hamilton—We are in need of a good rain, however, wheat, rye, early sown barley and oats are looking very well. Pastures are very backward, so far there isn't a bite of grass for stock. Everything the farmer has to sell is very low in price and the H. C. L. is not much lower than one year ago. As an example cream is selling for 26c; eggs, 12c to 15c; coal, \$12 a ton; suit of Sunday-go-to-meeting clothes for the up-to-date farmer, \$30 to \$40; hogs, \$6 to \$7 and horses and mules are very low.—W. H. Brown, May 7.

Harvey—We have been having very favorable weather for wheat and oats. Farmers are listing corn. Eggs are worth 13c and butter is selling for 35c; wheat, \$1; flour, \$2.—H. W. Prouty, May 7.

Haskell—Early, rank wheat is needing rain but the late wheat is making a good growth. Barley and oats are making satisfactory growth. Stock is in good condition. Cattle are being put on pasture. Farmers are blank listing for row crops and preparing ground for other crops. Corn planting has begun.—H. E. Tegarden, May 5.

Labette—We have been having plenty of moisture. Farmers are waiting for a little dry weather to plant corn. Wheat and oats are excellent. Pasture is plentiful and stock is in good condition. The sale season is over. It has been too cold for corn. Farmers are still organizing unions. Eggs are worth 16c; potatoes, \$1.60; oats, 30c; hogs, \$6.65 and corn is 40c; flour, \$2.40; cream, 42c.—J. N. McLane, May 7.

Leavenworth—Wheat is in good condition and there are much better prospects than two weeks ago. Very little corn has been planted as the ground is too wet and cool. Alfalfa looks better than it did but some of it shows some injury from frost and insects. The spring crop of livestock is light. Butterfat brings 45c; skimmilk, 10c a hundred; corn, 50c and oats are 50c; eggs, 15c.—George Marshall, May 7.

Linn—We had a good rain on April 25 which put farmers out of the fields for a few days. Farm work is well advanced as corn is planted and wheat, oats, flax, potatoes, gardens and pastures are doing well. Stock is on pasture. No insects or pests of any kind have been reported. All the fruit was killed by the recent freeze.—J. W. Cline-Smith, May 5.

Marshall—The frequent rains have put the ground in good condition for spring crops. The late freezes damaged oats considerably but most fields are getting green again. Wheat is growing satisfactorily but many fields look a little yellow. Corn planting has begun altho the ground is cold. Not nearly as much millet will be sown this spring as last as farmers are discouraged over the price. Wheat is worth \$1.10; corn, 40c; millet from 35c to 40c; cream, 30c and hogs are 7c; eggs, 13c; hens, 18c; roosters, 10c.—C. A. Kjellberg, May 2.

Miami—Not much corn has been planted. It has been too wet for farmers to do field work during the past week. Grass is excellent. Butterfat is down to 23c; wheat is selling for \$1 and eggs are worth 14c.—F. J. Haefele, May 1.

Morris—We are having excellent growing weather. Farmers are planting corn and preparing the ground. The ground is in excellent condition. The acreage of corn will be about the same as last year. Oats are coming out in good condition. Wheat is excellent despite the chinch bugs. Alfalfa is rather backward on account of freezes. The clover aphid did not do much damage. Pastures are good.—J. R. Henry, May 7.

Nemaha—Spring work was backward from lack of moisture until April 10 and since that date it has been delayed by high winds and a surplus of moisture. Nearly all of the fruit was killed by the freeze and alfalfa, oats and wheat were damaged considerably. A few farmers have planted corn. Corn brings 35c; wheat \$1.10; flour, \$2.30 and hogs are \$7.50 to \$8; potatoes, \$1.50.—A. M. McCord, May 7.

Norton—Most of the wheat fields look excellent but in some localities there is a poor stand and it is yellow. Cattle feeders are still reporting heavy losses on fat cattle shipped out recently, and the outlook is for a big loss on every head fed this year. Corn planting season is on but the ground is still wet and cold. Strawberries are about the only fruit we can count on this year. A number of farmers are still investing in oil stocks and 98 per cent will lose out. Wheat is worth \$1.08; corn, 32c to 34c.—Sam Teaford, May 6.

Pottawatomie—The weather the past week has been excellent for growing crops. All of the corn will be planted within the next 10 days. Alfalfa is looking better since the clover aphid has taken its flight. The crop of spring pigs is about 50 per cent of the average size. Stock has been turned on pasture. Nearly 60 per cent of the wheat which was held for higher prices went to market at \$1.10 and \$1.15. The charge for pasture is from \$8 to \$10 a head for the season.—F. E. Austin, May 3.

Republic—The past week has been very cool. Wheat is excellent but a considerable amount of it seems to be of a thin stand. Oats are stooling well but they are very thin, also. Wheat is worth \$1.10; corn, 35c; butterfat, 22c and eggs are 14c; oats, 25c.—F. E. Austin, May 5.

Rush—We have been having cool and cloudy weather the past few weeks. A nice gentle rain would be appreciated. Wheat and alfalfa are making excellent growth. Farmers are doing odd jobs and hauling



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wheat. Stock is in good condition. Horses are cheap but cattle bring good prices at public sales. Wheat is worth \$1.24; butterfat, 28c and eggs are 12c.—A. E. Grunwald, May 4.

Summer—Wheat is making a rapid growth but the freeze has caused some of it to turn yellow and we do not know what the outcome will be. Oats are growing satisfactorily. Corn is being planted but the acreage is not very large this spring. Pastures are doing well. Wheat is worth \$1; corn, 45c; butterfat, 26c and oats are 40c; eggs, 15c.—E. L. Stocking, May 5.

Stafford—Weather conditions are favorable for planting spring crops. A considerable amount of alfalfa has been sown this spring. Gardens do not look well because of the recent frosts. Stock has wintered well and is being turned on grass in good condition. There is not the usual number of stock as some pastures are not filled yet. Prices have remained about the same for the past two weeks. More than the usual number of public sales are being held for this time of the year.—H. A. Kacheiman, May 7.

Washington—Farmers are planting corn. Local showers have fallen the past week. It has been rather cool but everything is growing satisfactorily. Oats and wheat are excellent. Prices for produce still continue to drop. Eggs are worth 14c and butterfat is selling for 27c; wheat, \$1.10.—Ralph B. Cole, May 7.

Wichita—We are having cool, backward weather and a considerable amount of barley had to be replanted. Stock is doing fairly well. Not many gardens have been made. There is a large acreage of milo, kafir and corn to be sown. The prices of farm products are still very low. Potatoes are worth \$1.90; eggs, 13c and cream is 32c.—Edwin White, May 5.

Wilson—The recent rains have put farming back several weeks and it is still wet. The first crop of alfalfa has been practically destroyed by alfalfa aphids and cut worms. Wheat and pastures are fair. Oats were damaged considerably by the freeze. Seventy per cent of the stock has been put on pasture. Gardens are beginning to grow since the cold weather. Prices of farm products are too low to mention.—S. Canty, May 7.

Wheat Takes Upward Turn

BY JOHN W. SAMUELS

During the past week many reports from the Southwest seemed to indicate that the effects of the recent freezing weather had been greatly underestimated and this stimulated buying of wheat futures. May wheat rose about 5 cents at Kansas City and July deliveries advanced approximately 3½ cents. At the close of the market May wheat was quoted at \$1.45 and July wheat at \$1.15½ in Chicago while at Kansas City May wheat was quoted at \$1.36½ and July wheat at \$1.09½.

May corn at Kansas City was quoted at 51½c and July corn at 55½c, May oats were quoted at 36c, and July at 37½c.

Corn and oats derived most of their strength from wheat, but attention was also given to bullish crop reports concerning oats. On the other hand it was said Germany would buy Danish corn after May 15, instead of American grain.

Wheat Advances 2 to 6 Cents

On cash sales at Kansas City hard wheat was quoted 2 to 6 cents higher. Demand was fair. Red wheat was quoted up 6 cents with light offerings. Demand for dark hard wheat was fair and it advanced 4 cents. The following quotations were announced: No. 1 dark hard wheat, \$1.54 to \$1.56; No. 2 dark hard, \$1.55 to \$1.56; No. 3 dark hard, \$1.53 to \$1.55; No. 3 hard, \$1.50; No. 1 Red wheat, \$1.63; No. 2 Red, \$1.61 to \$1.62; No. 3 Red, \$1.60 to \$1.61; No. 2 mixed wheat, \$1.52 to \$1.53; No. 3 mixed, \$1.47.

There was a fairly good demand for white corn which registered an advance of 2 cents. But little change was noted in Yellow corn. Demand for mixed corn was good and it was quoted from 1 cent to 2 cents higher. The following sales were reported at Kansas City: No. 1 White corn, 57c; No. 2 White, 57 to 57½ a bushel; No. 3 White, 54½ to 56c; No. 2 Yellow corn, 58c; No. 3 Yellow, 56½c; No. 1 mixed corn, 54 to 54½c; No. 3 mixed, \$1.47.

The following sales were reported on other grains: No. 2 White oats, 38 to 38½c; No. 3 White, 37½c; No. 2 Red oats, 36 to 36½c; No. 3 Red, 35c to 36c; No. 2 White kafir, 95 to 96c a bushel; No. 3 White, 95c; No. 2 milo, \$1.10 to \$1.11; No. 3 milo, \$1.09 to \$1.10; No. 2 rye, \$1.29 to \$1.32; No. 3 barley, 53c.

The hay market was generally steady but the amount received was abnormally small as compared with this season in previous years. The following quotations were announced at Kansas City: Choice alfalfa, \$24 to \$27 a ton; No. 1 alfalfa, \$21 to \$23; standard alfalfa, \$17.50 to \$20.50; No. 2 alfalfa, \$12 to \$16.50; No. 1 prairie hay, \$13.50 to \$14.50; No. 2 prairie, \$10 to \$13; No. 3 prairie, \$6.50 to \$9.50; No. 1 timothy hay, \$18.50 to \$20; standard timothy, \$17 to \$18; No. 2 timothy, \$14 to \$16.50; No. 1 clover hay, \$13 to \$14.50; No. 2 clover, \$8 to \$12.50; packing hay, \$5 to \$6; straw, \$8.50 to \$9.



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18.....	2.16	7.20	34.....	4.08	13.60
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FOR SALE OR TRADE FOR A SEPARATOR or engine, one 2-ton Republic truck with dump body. Six-cylinder Studebaker car for a Sedan. C. R. Grosche, Marion, Kan.

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FOR SALE—NISON SENIOR TRACTOR, Junior Red River Special Separator, La Crosse 4-bottom and 6-disc Plows, and John Deere Binder. J. F. Poos, Easton, Kansas.

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OUR CELEBRATED EXTRACTED HONEY per 60 pound can, \$11; two, \$21. Strained at \$9.50 and \$18. Frank H. Drexel, Crawford, Colo.

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VEIL MATERNITY HOSPITAL FOR young women, before and during confinement; private; terms to suit; babies adopted free. Mrs. C. M. Janes, 15 W. 31st, Kansas City, Mo.

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PLANTS, SWEET POTATO, YELLOW, Jersey and Red Bermuda. Tomato, Chalk's Jewel and Earlsiana, 50 cents per 100, \$4.50 1,000 postpaid. Ernest Darland, Codell, Kan.

SUDAN CORN—BEST GRAIN, FODDER, silage crop. Pure hand selected, kind to start with; outdoor test, near perfect. 5 pounds to acre, 6c pound. A. Marston, Whiting, Kan.

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Anconas—Eggs

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SINGLE COMB WHITE LEGHORNS, \$12 per 400 for May and June. Guaranteed live delivery prepaid. Order now. Myers Hatchery, Clay Center, Kansas.

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BABY CHICKS, \$16. WHITE WYAN- dottes a specialty. Mrs. Leon Bunning, White City, Kan.

BABY CHICKS

SINGLE COMB BUFF LEGHORN EGGS, \$5 100. Baby chicks, \$18 100. Norma Graham, Route 1, Florence, Kan.

YESTERLAYS SINGLE COMB WHITE Leghorns, Chicks, \$15 100. Eggs, \$5 100. Mrs. Hayes Showman, Sabetha, Kan.

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WHITE AND BROWN LEGHORNS, \$12; Reds, White and Barred Rocks, \$13; Or-pingtons and Anconas, \$14. Fleda Jenkins, Jewell, Kan.

PURE S. C. WHITE AND BROWN LEG- horns, 14c; R. I. R. and Anconas, 15c. Prepaid. Satisfaction guaranteed. C. G. Cook, Lyons, Kan.

SINGLE COMB WHITE LEGHORN BABY chicks from our heavy winter layers 240 to 270 egg strain, May hatch, \$12 per 100. Standard Remedy Co., Paola, Kan.

PURE BRED CHICKS TO SHIP EVERY- where. Guaranteed alive or replaced free. Good Leghorns, 13c; heavy breeds, 15c. Sinex Hatchery, Smith Center, Kan.

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STRONG VIGOROUS S. C. BROWN, WHITE Leghorns, 14 cents. Barred Rocks, S. C. Reds, 15 cents. Buff Orpingtons, 15 cents. Buff Leghorns, 14c. Postpaid, live delivery. Ross Hatchery, Junction City, Kan.

BABY CHICKS—PURE BRED BARRON strain. English White Leghorns, \$16 per 100. Live Wyandottes, \$20 per 100. Postpaid. Live delivery guaranteed. Johnson's Hatchery, 109 Buchanan St., Topeka, Kan.

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BABY CHICKS—100,000 STRONG HEALTHY fellows from pure healthy bred to lay flocks delivered to you free at popular prices from Buff, Barred and White Rocks, White and Brown Leghorns, Orpingtons and Reds. Lenhart Hatchery, Navarre, Kan.

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BABY CHICKS—FROM VIGOROUS, FARM range flocks of high quality. Guaranteed pure bred and vigorous. Leghorn chicks, \$10 per 50 or \$18 per 100. Larger breeds, \$11 per 50 or \$19 per 100. 10% discount for cash in full with order or 20% discount on order for 500 chicks or over. Shipped parcels post paid. Delivery guaranteed. Circular free. Order from this ad for prompt shipment. Leo Anderson, Farm Hatchery, Juniata, Neb.

Brahmas—Eggs

PURE BRED MAMMOTH LIGHT BRAHMA laying strain. 15 eggs, \$1.50; 30, \$2.75. V. E. Rogers, Sharon, Kan.

STANDARD BRED MAMMOTH LIGHT Brahmas. 15 eggs, \$1.50; 100, \$7. Cora Lilly, Westphalia, Kan.

Campines—Eggs

SILVER CAMPINE EGGS, \$2 PER 15 PRE- paid. E. H. Cory, Parsons, Kan.

Cornish—Eggs

DARK CORNISH, THE WORLD'S BEST general purpose fowl. Eggs, \$2.50 setting; \$14 1

Langshan—Eggs

PURE BRED WHITE LANGSHAN EGGS, \$6 per 100. Tell Carke, Quinter, Kan.
 KLUMMIRE'S IDEAL BLACK LANGSHANS. Eggs for hatching. Write for catalog. George Klummire, Holton, Kan.
 BLACK LANGSHANS. EGG LAYING strain. Won first pen state show. Eggs, 15, \$1.25; 100, \$6.50. Chicks, 20c. Ethan King, Solomon, Kan.
 PURE BRED WHITE LANGSHAN EGGS. Second pen, \$2.15. Range, \$1.50. Range \$6.100. Baby chicks, 20c. Cockerels, 2 pounds, \$1. Sarah Grelsle, Altoona, Kan.

LEGHORNS

EARLY PULLETS—S. C. WHITE LEGHORNS. Vira Bailey, Kinsley, Kan.
 IMPORTED ENGLISH BARRON S. C. W. Leghorns. Trapped bred-to-record 300 eggs. Chicks. Eggs. George Patterson, Richland, Kan.

Leghorns—Eggs

SINGLE COMB BUFF LEGHORN EGGS, \$5 100. J. A. Reed, Lyons, Kan.
 SINGLE COMB BUFF LEGHORN EGGS, \$5 100. Mary Moyer, Oak Hill, Kan.
 SINGLE COMB EVEN BUFF LEGHORNS, \$6 100. Geo. Dorr, Osage City, Kan.
 PURE BRED S. C. BUFF LEGHORN EGGS, \$5 100. Prepaid. Herbert Rhodes, Clifton, Kan.
 EVERLAY STRAIN S. C. BROWN LEGHORNS. Eggs, 100, \$4.50. Bryant Greenwood, Clifton, Kan.
 EGGS FROM AMERICA'S CHAMPION EGG producers. Herb Wilson's Buff Leghorns, Holton, Kan.
 PRIZE WINNING SINGLE COMB BROWN Leghorns. Eggs, 100, \$4; 30, \$1.50. Charles Dorr, Osage City, Kan.
 FERRIS 265 TO 300 EGG STRAIN LEGHORNS. Eggs, \$5 to \$5.50 100. Claude Hamilton, Garnett, Kan.
 S. C. WHITE AND BROWN LEGHORN eggs, \$4.25 per 100; 15, \$1. Postpaid. Fieda Jenkins, Jewell, Kan.
 BUFF LEGHORNS, SINGLE COMB, EGG bred and exhibition. Eggs, \$5 100. Mrs. Warren Todd, Oak Hill, Kan.
 PURE ENGLISH S. C. WHITE LEGHORN eggs, 110, \$6. Satisfaction guaranteed. Claude Post, Mound City, Kan.
 PURE SINGLE COMB BROWN LEGHORN eggs, \$5 100 prepaid. Extra fine stock. Mrs. Harry Augustus, Waterville, Kan.
 "RYANS" SINGLE COMB DARK BROWN Leghorns. Prepaid. Eggs, 100, \$5.50. Chicks, \$13.50. Six week cockerels cheap. Mrs. D. J. Ryan, Centralia, Kan.
 FINEST ENGLISH WHITE LEGHORN eggs from imported stock, half price. Fine range, \$5 100 prepaid. Fertility guaranteed. Mrs. Clyde Meyers, Fredonia, Kan.
 SINGLE COMB WHITE LEGHORNS, FERRIS-Yesterlaid strains direct. Eggs, \$6 100, 10 extra with each order; prepaid; 95% fertility. Mrs. L. B. Takemire, Silver Lake, Kan.
 ENGLISH TOM BARRON, SINGLE COMB, large kind. Flock from 288 egg trapped stock. Grandsons of Lady Victor, champion hen 1918-19, head our flock. Her official record was 304 eggs. Hatching eggs, 100, \$7. Perry Dietrich, Miltonvale, Kan.

MINORCAS

PURE BRED S. C. BLACK MINORCAS, blue ribbon winners. Eggs, \$6 100 prepaid. Chicks, 20 cents. Herbert Rhodes, Clifton, Kan.
 GIANT STRAIN SINGLE COMB BLACK Minorcas. Eggs, \$6 100. Chicks, \$15. Safe arrival guaranteed. Hamilton Hatchery, Garnett, Kan.

Minorcas—Eggs

PURE GIANT STRAIN, SINGLE COMB Black Minorca eggs, \$5.25 100. Martha Greenwood, Clifton, Kan.

ORPINGTONS.

WHITE ORPINGTONS. BLUE RIBBON winners and winter layers. Mating list free. Goodrich & Harper, 712 Topeka Ave., Topeka, Kansas.
 HIGH QUALITY PURE BRED BUFF ORPINGTON yearling roosters and hens. Prices reasonable. Write at once. Mrs. Anton Triska, Hanover, Kan.

Orpingtons—Eggs

WHITE ORPINGTON EGGS, \$4.50 100. Mrs. Jas. Crocker, White City, Kan.
 SINGLE COMB BUFF ORPINGTON EGGS, \$1.10 100. Josiah Thompson, Logan, Kan.
 PURE BRED S. C. WHITE ORPINGTON EGGS, \$1.50 setting; \$6 hundred. Mrs. Wm. Inhoff, Hanover, Kan.

PLYMOUTH ROCKS

BARRER ROCKS—HENS, \$2; BABY chicks, hatched by hens, 25c; 15 eggs, \$1.50; 100, \$6. Mrs. J. B. Jones, Abilene, Kan.
 WHITE ROCKS. TWENTY YEARS selective breeding. Eggs, \$6 100, \$1.50 15. Prepaid. Bracken Fogle, Williamsburg, Kan.

Plymouth Rocks—Eggs

BUFF ROCK EGGS, \$4.50 HUNDRED. Della Hedgespeth, Wiley, Kan.
 100 BUFF ROCK EGGS, \$7; 50, \$4. Mrs. Maggie E. Stevens, Humboldt, Kan.
 BUFF ROCK EGGS, \$3.50 PER 50; \$6 PER 100. Nettie Holmes, R. 2, Prescott, Kan.
 BUFF ROCKS, NINETEENTH YEAR. MAY eggs, \$5 100. Mrs. Homer Davis, Walton, Kan.
 PURE BRED WHITE ROCK EGGS. FISHEL strain, \$1.25 per setting. P. L. Thielen, Dorrance, Kan.
 REDUCED BUFF ROCK EGGS, 100, \$4; 50, \$2.50; 15, \$1. Pens, \$2.50. A. R. Quintette, Ames, Kan.
 PURE BARRER ROCK EGGS. LARGE. Vigorous, 15, \$1; 100, \$5. Mrs. William Garretts, McPherson, Kan.
 BARRER ROCKS, 80 PREMIUMS. BREEDERS sale. Eggs, 15, \$2.50; 30, \$4.50. Mattie A. Gillespie, Clay Center, Kan.
 BARRER ROCKS—FANCY MATINGS, \$10 eggs now \$5 15. Flock, 15, \$1.50; 100, \$7. Extra layers. Winners at Kansas City and the state shows. George Sims, LeRoy, Kan.

Plymouth Rocks—Eggs

FINE BARRER ROCK EGGS FOR HATCHING, \$1.25 setting, \$3.50 50, \$6 100. Wm. C. Mueller, R. 4, Hanover, Kan.
 WHITE ROCK EGGS AT LESS THAN HALF price. \$1 per 15, postpaid. Heavy laying strain. Thomas Owen, Route 7, Topeka, Kan.
 PURE BUFF ROCK EGGS, WINNERS 12 shows, reduced to \$6.50 100, \$3.50 50, \$1.50 15. Mrs. C. N. Mason, Uniontown, Kan.
 RINGLET BARRER ROCKS, DEEP EVEN barring, yellow legs, heavy laying strain. Eggs, \$1.25 15, \$6 100. C. E. Romary, Olivet, Kan.
 PARKS 200 EGG STRAIN BARRER ROCKS 31 years bred-to-lay. Set \$2.00 and \$3.00. 100 pedigreed eggs \$7.50. R. B. Snell, Colby, Kan.
 IMPERIAL RINGLET BARRER ROCK trapped bred to lay dark mating special matings. Eggs, 15, \$1.50; 30, \$2.50; 50, \$5; 100, \$8. Postpaid. E. B. Dorman, Paola, Kan.
 THOMPSON'S RINGLET BARRER ROCKS of quality. Heavy layers. Eggs, 15, \$2; 30, \$3.75; 50, \$5.50; 100, \$10. Pen, \$3. Safe arrival guaranteed. Jno. T. Johnson, Lock Box 77, Mound City, Kan.
 BARRER ROCKS, RINGLETS, BRED FOR beauty and profit. 80 premiums, 33 firsts, Kansas City, Topeka, Salina, Manhattan, Denver. Breeders for sale. Eggs, 15, \$2.50; 30, \$4.50. Mattie A. Gillespie, Clay Center, Kan.

Rhode Islands—Eggs

R. C. RED EGGS, 15, \$1; 100, \$5. DAN Gansel, Beloit, Kan.
 REDUCED PRICES PURE SINGLE COMB Reds, \$4.75 100. Mrs. Trapp, Wetmore, Kan.
 SINGLE COMB REDS, PRIZE WINNERS at Chicago and Kansas City. Eggs, \$5 for 50; \$10 for 100. H. A. Meier, Abilene, Kan.
 EGGS FROM LARGE DARK RED ROSE Comb pure bred Rhode Island Reds, \$5 a 100 delivered. Mary Shields, Barnes, Kan.

Several Varieties—Eggs

EGGS—HALF PRICE. FREE CIRCULAR. Greatest layers and show birds. Twenty varieties and bantams. Modlins Poultry Farm, Route 28, Topeka, Kan.

TURKEYS

FOR SALE—TRIO GIANT BRONZE TURKEYS. Vira Bailey, Kinsley, Kan.

Turkeys—Eggs

MAMMOTH WHITE HOLLAND TURKEY eggs, 45 cents each, \$10.50 25, prepaid. Mrs. Chas. Mills, Plainville, Kan.

Wyandottes—Eggs

WHITE WYANDOTTE EGGS AT ONE-half price. A. E. Waterman, Peabody, Kan.
 SILVER WYANDOTTE EGGS REDUCED, \$1 15, \$3 50, \$5 100. Mrs. Philip Schuppert, Arrington, Kan.
 EGGS FROM MANHATTAN PRIZE WINNING White Wyandottes, \$1 15, \$5 100. B. L. Carney, Marion, Kan.
 WHITE WYANDOTTE EGGS, 15, \$2; 100, \$10; prepaid. Barron's and Steven's world's greatest laying strain. Guaranteed 60% hatch. H. A. Dressler, Lebo, Kan.
 PARTRIDGE WYANDOTTE, PREMIER mahogany strain. Eggs, 15, \$1.50; 100, \$8. E. Montgomery, Independence, Kan.
 "QUALITY" WHITE WYANDOTTES, Martin-Keeler strain direct. 15 eggs, \$2; 30, \$3.75; 50, \$5; 100, \$9. Orders filled promptly. Satisfaction, safe delivery guaranteed. Garland Johnson, Mound City, Kan.

POULTRY SUPPLIES

"QUEEN" INCUBATORS—180 AND 275 eggs sizes reduced prices. "Queen" coal burning brooder stoves, \$25 and \$29. Carbola whitewash, leg bands. Send for circular. G. R. McClure, McPherson, Kan.

POULTRY WANTED

FOR BEST RESULTS SHIP BROILERS, hens and eggs direct to The Copes, Topeka.
 PREMIUM POULTRY PRODUCTS COMPANY, 210 North Kansas Ave., Topeka, buys poultry and eggs on a graded basis. Premium prices paid for select eggs and poultry.

BARGAINS IN REAL ESTATE

ARKANSAS

160 A., all til. and level; 100 cult., well improved; silo. 4 mi. Conway, 6,000 people. \$50 per a., terms. Durham & Co., Conway, Ark.

RAISE CORN, CATTLE, HOGS. Arkansas land free. Fine oil possibilities. Burchfield-Reneau, 718 Am. Bank, Okla. City, Okla.

CHEAP LANDS in fee. Oil leases near drilling well. Also good farming land at bargain prices. Let us know you want, we have it. Mills & Son Land Co., Booneville, Ark.

BUY A FARM in the great fruit and farming country of northwest Arkansas where land is cheap and terms are reasonable. For free literature and list of farms write J. M. Doyel, Mountainburg, Arkansas.

FOR SALE—Rich Arkansas land. Fine farms, both bottom and uplands. Cotton, corn, alfalfa and stock farms. Healthy climate, fine water, hard surfaced roads, fine schools and college. Write me what you want. Liberal terms. Progressive community. W. O. Scroggin, Morrilton, Ark.

MICHIGAN

FARMS—Fruit, grain, dairy. For booklet list, write Hanson Agency, Hart, Mich.

600 ACRES, 200 cleared, bal. pasture, timber. House, barn, river, well; \$10 a., \$1,000 cash. \$200 year. Evans-Tinney Co., Fremont, Mich.

OKLAHOMA

FOR SALE—Cheapest good farms and pasture land in U. S. Write for list. Southern Realty Co., McAlester, Oklahoma.

N. E. OKLA. low meadow land. 190 a., 100 cult., 60 meadow, 30 pasture, 4-r. house, 2 barns, good water, 3 mi. town, 1/2 to school. \$60 acre. Arch Wagoner, Vinita, Oklahoma.

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All advertising copy discontinuance or change of address must be received by the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication.

KANSAS

FARMS, city property, suburban homes. Write for list. T. B. Godsey, Emporia, Kan.

I HAVE 500 a. of growing wheat for sale. Leonard Edmisten, Burdett, Kansas.

FOR SALE—6-r. bungalow, garage, brooder house, 7 acres. L. O. Snare, Abilene, Kan.

BEST FARM BARGAINS for sale in S. E. Kansas, by G. W. Meyer, Fredonia, Kan.

IF YOU WANT to buy, sell or exchange your farm, write W. T. Porter of the Kansas Land Company, Ottawa, Kansas.

WRITE for our free list of Eastern Kansas farms and ranches for sale. The Eastern Kansas Land Co., Quenemo, Kan.

FARMS FOR SALE in large Catholic settlement, country town, Sisters school. L. S. Schandler, Real Estate, Dresden, Leoville, Kan.

TO SETTLE ESTATE—Well improved 80 a. equipped for hogs, 40 a. alfalfa, bal. cult. \$11,500. 145 Olivette, McPherson, Kansas.

INVESTORS, speculators, homesteaders—We make specialty on Ness county land. Let us show you what we have to offer. Write for list. Whitmer Land Co., Utica, Kansas.

80 ACRES, all smooth, black limestone soil; improved; close to town. Price \$80. \$2,000 cash. Mansfield Land & Loan Co., 312-13 New England Bldg., Topeka, Kansas.

YOUR CHANCE—Level 1,120-acre tract, western Kansas, unimproved, \$18,000, very easy terms. Jas. H. Little, LaCrosse, Kan.

FOR SALE—Unimproved 80 black limestone soil. 4 1/2 miles of Chanute. 1/2 to gravel road, 1/2 mile to school and church. \$90 per acre. M. L. Tannis, R. 1, Chanute, Kansas.

FOR SALE—320 a. well imp., choice alfalfa and grain farm. 3 mi. from town. Sedgewick Co. Good house and barn. \$100 a. 1/2 cash. J. M. Stewart, Hutchinson, Kansas.

WE NOW HAVE the largest and best list of bargains in raw and improved land, we have ever had. Write for list. E. & G. Inv. Co., 417 Winne Bldg., Wichita, Kansas.

NESS COUNTY WHEAT LAND Good smooth land from \$30 to \$50 per acre. Write for free list and county map. Geo. P. Lohnes, Ness City, Kansas.

80 ACRES, CULTIVATED, 1 1/2 miles Garden City. Well imp., 15 alfalfa. Plenty water. \$175 acre, terms. Write for list. Ford Land Co., Garden City, Kansas.

NESS COUNTY, KANSAS, FARMS Ness county raised 3,000,000 bushels wheat in 1920. Has 200,000 acres fine wheat now Write for list and county map. Floyd & Floyd, Ness City, Kansas.

FOR SPECIAL PRICES ON 40, 80, 120 and 180 acre fine, well improved farms in Franklin county, good terms. Write Spangler Land Co., Ottawa, Kansas.

FINE LEVEL HALF SECTION 5 miles from town. Price \$8,000.00. Terms on \$4,300.00. Northwest of Satanta. Sandy loam soil. A real bargain. Write owners. Griffith & Baughman, Liberal, Kansas.

480 ACRES, 6 miles from Oakley, all smooth. Well improved, 1/2 mile to school, 200 acres wheat, 100 acres barley, bal. grass. Price \$45 acre. Extra good terms. Will take some trade. H. H. Sell, Culver, Kansas.

LET ME SELL YOU A FARM in the Oakley country. Wheat and barley making \$50 to \$75 acre. Corn and all feed crops fine. Good tractor land, \$30 to \$50. For list write. A. H. Wilson, Oakley, Kansas.

I HAVE 10 TO 15 GOOD FARMS for sale near Lawrence. Also some attractive suburban places. These farms can be bought on good terms. W. S. Clawson, 744 Mass. St., Lawrence, Kan.

SOUTHEASTERN KANSAS. Farms, all sizes; lowest prices. Terms \$2,000 up. Send for booklet. ALLEN COUNTY INVESTMENT CO., Iola, Kansas.

FINE LAND CLOSE TO OIL WELL, \$20 to \$40 per acre. Worth more agricultural purposes. Also some leases and royalties. Write for particulars. Gorham-Carter Land Company, Garden City, Kansas.

CATTLE AND SHEEP RANCH, 1,360 acres, 5 miles Healy, mostly tillable, 10 acres alfalfa, 160 spring crop, balance fine grass land, only \$25 per acre, terms. Write for list and Kansas map. Mansfield Investment & Realty Co., Healy, Kansas.

THE BEST present investment is land and the best place to buy land is in Ness Co., Kansas. All sized tracts from 160 acres to 10,000 acres improved and unimproved at prices ranging from \$25 to \$75 per acre. Some exchanges. Agents protected. A. W. Buxton, Utica, Ness County, Kansas.

FOR SALE—WORTH THE MONEY 960 acres, more or less. 110 a. growing wheat, 80 a. alfalfa, 90 a. corn, 70 a. oats; bal. good land in pasture. 80 good grade Shorthorn cattle, 80 hogs, 10 work horses and mules. New implements and harness. One of the best grain and stock farms on the market. No incumbrance. Will make good terms. Must be seen to appreciate its true value. If interested write or wire date for inspection. Can give immediate possession. Also; to settle an estate: 240-a. good stock, dairy, and poultry farm. Good oil production. 1/4 royalty is paying big interest on price to purchaser. R. M. Dolson, 416 S. 5 St., Independence, Montgomery Co., Kan.

Buy, sell, or exchange your real estate here. Real estate advertisements on this page (in small type, set solid and classified by states) cost 75 cents an agate line each issue. Study these ads, write a good one and figure its cost. Send money order, draft or check with your ad.

KANSAS

FARM RANCH FOR SALE 425 acres Wilson Co., Kan., 100 a. Verdigris river bottom. 2-story concrete house, with basement. \$15,000. Gas and water, sewer connection. 2 tenant houses, complete with waterworks system. Gas well. 50,000 gallon concrete storage. Mo. Pac. R. R. switch connection. Write for full details to The Machinery and Supply Corporation, Joplin, Missouri.

FARM HOME

160 acres, 22 miles K. C. rock road most way; 30 alfalfa; 50 clover; 90 pasture; living water; 5-room house; cellar; large barn; stanchions, etc.; belongs to estate must be sold; \$100 per acre, think of it, at Kansas City's door.

MANSFIELD LAND & LOAN COMPANY, 415 Bonifis Bldg., 10th & Walnut, Kansas City, Mo.

COLORADO

\$1,000 CASH will buy a \$5,000 farm of 240 acres. Reasonable terms on balance. Kit Carson State Bank, Kit Carson, Colo.

COLORADO FARMS of any size, irrigated or non-irrigated. Near Denver. Send for free booklet V-3. The Zang Investment Co., American Bank Bldg., Denver, Colorado.

BEST LANDS

Nothing better in East Colorado; farms and ranches; lowest prices; best terms; write for facts and lists.

R. T. CLINE, OWNER, BRANDON, COLO.

MINNESOTA

PRODUCTIVE LANDS—Crop payment or easy terms. Along the Northern Pacific Ry. in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. Free literature. Say what state interests you. H. W. Byerly, 81 Northern Pac. Ry., St. Paul, Minn.

MISSOURI

100 A., \$1,000. Imp. 80, \$2,000. \$500 cash. Other bargains. Blankenship & Son, Buffalo, Mo.

TRADES made everywhere. Describe property and tell me your wants. Duke, Adrian, Mo.

POOR MAN'S CHANCE—\$5 down, \$5 monthly buys forty acres grain, fruit, poultry land, some timber, near town, price \$200. Other bargains. Box 425-O, Carthage, Missouri.

MISSOURI—\$5 down \$5 monthly buys 40 acres truck and poultry land near town Southern Mo. Price \$200. Send for bargain list. Box 169, Mt. Vernon, Ill.

FARMS AT AUCTION

Monday, May 30, 1921, near Lowry City, St. Clair county, Missouri. 450 acres in four separate farms, good improvements, best of soils, well watered. Terms, 10% sale day, 30% thirty days, balance five years 6%. Address C. D. Nesbit, Owner, Lowry City, Mo.

NEW YORK

MONEY MAKING 104-acre state road farm, half mile to town, good buildings. Silo. 10 Holsteins, horses, tools, \$10,000, 1/4 cash. Coughlin's Farm Clearing House, Syracuse, New York.

MISCELLANEOUS

WRITE LETCHWORTH & SON, Commerce Bldg., Kansas City, Mo., for farm bargains.

SELL YOUR FARM, business; any property, located anywhere, by co-operative plan. Quick action. Less than half usual cost. Particulars free. E. F. McCormick, Oakland, Cal.

SELL YOUR PROPERTY QUICKLY for cash, no matter where located, particulars free. Real Estate Salesman Co., 515 Brownell, Lincoln, Neb.

Farm & Ranch Loans

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Lowest Current Rate

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THE PIONEER MORTGAGE CO.,

TOPEKA, KANSAS.

SALE OR EXCHANGE

FOR EXCHANGES see or write I. N. Compton, Valley Falls, Kansas.

WANT TO HEAR from party having farm for sale. Give particulars and lowest price. John J. Black, Copper St., Chippewa Falls, Wis.

FARMS, ranches, city property, merchandise for sale and exchange. Write us. Weeks & Shackelford, 1023 E. 31 St., Kansas City, Mo.

FOR SALE OR EXCHANGE—Ranches and farms. Would like to list good income property. E. E. Gabbart, Alva, Oklahoma.

CHOICE 400-ACRE stock and grain farm. Well located. Highly improved. Will exchange for smaller farm or ranch land. Mansfield Land & Loan Co., Ottawa, Kansas.

FARMS, CITY PROPERTY, merchandise for sale and exchange. Send for list. Hoxford Investment & Mortgage Company, 324 Massachusetts St., Lawrence, Kansas.

REAL ESTATE WANTED

I HAVE CASH BUYERS for salable farms. Will deal with owners only. Give description and cash price. Morris M. Perkins, Box 378, Columbia, Mo.

Livestock Prices are Low

Beef Cattle Show Declines But Hogs Advance

BY WALTER M. EVANS

LIVESTOCK prices still continue too low to insure satisfactory prices to feeders and shippers who now are considerably discouraged. They fear the bottom has not yet been reached. According to the Institute of American Meat Packers during the early part of April there was an over-supply of beef which had been dressed from fairly costly cattle. At the same time the demand was rather slack, partly on account of the season and partly on account of there being a good supply of green vegetables and other food products which like meats were selling at fairly low wholesale prices. This situation was followed as the influence of the lenten season ceased, by lighter shipments and a better demand. However, during the last half of the month with increasing receipts, cattle prices worked lower.

Swine Receipts May Increase

Receipts of hogs during the first four months of this year as compared with the same period in 1920 have shown a decrease far less than might have been expected in view of the decreased number of swine on farms at the beginning of the present year. On January 1, 1921, the number of swine on farms was approximately 7 per cent less than on January 1, 1920, according to Government estimates. However, hogs received at 20 markets from January to April inclusive according to market journals show a decrease in number of only 3.3 per cent as compared with hog receipts at the same markets during the first four months of last year. This fact is interpreted in some quarters as an indication that receipts later in the year will be proportionately higher.

So far as the sheep situation is concerned the Government officials estimated the number of sheep on farms on January 1, 1921, to be 48,615,000 and with three exceptions this is the smallest number reported for 21 years. However, receipts at 68 markets up to April 1 showed an increase of 734,000 head or 17 per cent more than the receipts during the first three months of 1920. Moreover local slaughter increased 22 per cent during the same period while the number of sheep going back to the country for feeding or breeding decreased 59 per cent or 348,529 head.

Exporters are Buying Liberally

Exporters are still buying cattle liberally in American markets but they have shown considerable uneasiness about the marine labor situation which may tie up or retard shipping. For this reason they have been slow to begin shipments of purchases already made. The British market seems to be in a receptive mood. Full settlement of the British labor situation would exert a decidedly stimulating influence. The same thing is true with respect to the matter of German reparations. In fact any strengthening of the export demand would make its effect felt in American markets rather quickly.

At Kansas City during the first three days of the week prices for fat cattle rose 65 cents to \$1, and during the last two days about half the gain was lost. The general market has improved and both killers and shippers are handling increased supplies. Hog prices fluctuated within a 25 to 35-cent range and at the close of the week were steady compared with a week ago. Packers are buying freely and there is a good shipping outlet. Sheep held steady, and lambs declined 25 cents.

Receipts for the week were 20,485 cattle, 3,875 calves, 59,850 hogs, and 38,200 sheep, compared with 32,600 cattle, 3,950 calves, 59,750 hogs, and 43,500 sheep last week, and 36,600 cattle, 5,025 calves, 85,025 hogs, and 28,400 sheep a year ago.

Prices for fat cattle advanced 65 cents to \$1 in the first three days of the week and in the last two days lost half the gain. The net advance for the week was 35 to 50 cents. Weighty steers show the largest advance and late in the week there was more weakness in the yearling and light weight steers than in the heavier kinds. Weighty steers sold up to \$8.85, and yearlings up to \$9. The bulk of the fat steers brought \$7.75 to \$8.65. Fat cows

sold at \$5.50 to \$7, cutters \$4.25 to \$5.50, and canners \$3 to \$4. The price range in hifers was \$5.50 to \$8.65. Veal calves sold up 50 cents to a \$10 top, but lost the gain before the close.

Trade in stock and feeding cattle was active at 25 to 35 cents higher prices. Receipts were light. The advance in fat cattle increased the inquiry for feeding grades. Demand on grazing accounts was about the same as last week.

Hogs Reach Top of \$8.40

Hog prices fluctuated within a 25 to 35-cent range and today they were not quotably changed compared with a week ago, the 10 cents lower than the high point Wednesday. Monday was the low day, and Wednesday the high point with an \$8.40 top. The top price at the market's close was \$8.30 and the bulk of the hogs sold at \$7.90 to \$8.25. The price spread is narrower than at any previous time this year. Pigs and stock hogs are in active demand at \$8.00 to \$8.75.

The few fed woolled lambs in Kansas City sold at \$10 to \$10.80. Spring lambs brought \$10 to \$12.50, clipped Texas wethers \$6.25 to \$6.90, and clipped ewes \$5.75 to \$6.25. Liberal supplies of goats brought \$3.25 to \$4.25. Compared with a week ago, the general price level is 25 cents lower.

Weak Demand for Horses

Not much change in the horse market is reported at Kansas City and Wichita and only a few sales were made. Strikes in Chicago have interfered seriously with sales there but prices were quoted at \$220 and \$225 for horses weighing from 1,500 to 1,600 pounds. Horses weighing from 1,350 to 1,400 pounds sold in Chicago at \$140 to \$160 apiece. Lighter weights and blemished animals sold from \$100 to \$140 a head.

The wool market is slightly off and less active. The available wool supply in the United States is now estimated at 1 million pounds. Local quotations at Kansas City this week were lower and trading was quiet. The following sales were reported at Kansas City for Kansas, Nebraska and Oklahoma wool: Bright medium wool, 14 to 16 cents; dark medium, 10 to 13 cents; burry stuff, 8 to 12 cents; light fine, 15 to 18 cents; heavy fine, 10 to 15 cents.

No change in the dairy and poultry market was noted at Kansas City. The general tone of the market was firm.

The following sales were reported on butter and other dairy products: Butter—Creamery, extra, in cartons, 35 cents a pound; bulk butter 31 cents; packing butter, 12 cents; butterfat, 27 cents; Longhorn cheese, 16½ cents a pound; brick cheese, 17½ cents to 17½ cents; Swiss cheese, 58 to 60 cents; Limburger cheese, 27½ to 28½ cents; pimento cheese, 35 to 37 cents a pound.

The following sales were reported at Kansas City on poultry and poultry products:

Eggs—Firsts, 20 cents a dozen; seconds, 15 cents; selected case lots, 25 cents; Southern eggs in case lots, 24 cents.

Live Poultry—Hens, 23 cents a pound; broilers, 1½ pounds and over, 50 cents a pound; broilers under 1½ pounds in weight, 40 cents a pound; roosters, 8 cents; turkey hens and young toms, 38 cents; old toms, 35 cents; ducks, 27 cents; geese, 15 cents and pigeons, \$1 a dozen.

Sale Reports and Other News

South Omaha Combination Sale Result

The sixth annual consignment sale held in South Omaha, April 18, 19, 20, under the management of H. C. McKelvie, Lincoln, Neb., resulted as follows: Ninety-three head of Shorthorns sold for \$15,170, or an average of \$163; 49 Polled Shorthorns sold for \$5,400, or an average of \$110. Lot 36, a Shorthorn cow and calf consigned by Cliff Harris, topped the sale at \$730, selling to W. A. Dickens, Longmont, Colo. Shorthorn bull, lot 75, consigned by C. A. Saunders & Son, Manila, Ia., topped the bulls at \$400. The selling to Geo. Ritchie, Gresham, Neb. The top Polled bull, lot 110, was consigned by Frank Zentmire, Mankato, Minn., at \$310. The top on Polled females was lot 172, consigned by J. T. Skaritt, Malvern, Ia. Cols. Kraschel, Thompson and Halsey conducted the sale. Leading buyers of Shorthorns were Charles Summers, Malvern, Ia.; C. H. Harper, Benkelman, Neb.; R. W. Dole, Almena, Kan.; C. S. Knudson, Industry, Ia.; W. A. Dickens, Longmont, Colo.; D. Bantam, Almena, Kan.; H. D. Atkinson, Almena, Kan. The best buyer of Polleds was S. G. Kellogg, Alvo, Neb.

Field Notes

BY J. W. JOHNSON

O. B. Clemetson, Holton, Kan., breeds Red Polled cattle and Poland China hogs. He is located on an ideal little stock farm of 80 acres joining Holton. He has a nice crop of spring pigs and will have boars for sale this fall.—Advertisement.

S. D. Shaw of Williamsburg, Kan., is offering for sale a number of fall Duroc boars. These boars are out of a choice dam and sired by a good son of Jack's Orion King 2d. Mr. Shaw is making very reasonable prices. If in need of a good Duroc boar write Mr. Shaw for description and prices.—Advertisement.

W. H. Hilbert's Durocs

W. H. Hilbert, Corning, Kan., is a breeder of Duroc Jerseys at that place that was fortunate in another good crop of spring pigs. They are largely by Col. Orion, a son of

KANSAS FARMER AND MAIL AND BREEZE READERS BEST BUYERS

"Replying to your letter of April 12, I will say that we were very well pleased with the returns from the advertisement placed in the 'Mail and Breeze' and that about the best buyers at our sale were the Kansas farmers who are readers of your publications.

"I believe the sale was a record for Shorthorn cattle in the United States for 1921. The cattle went to solid, substantial farmers in the territory largely covered by the Capper publications.

"Your Mr. Lamb was a very efficient aid to us in the matter of publicity. Thanking you for your letter and services, I am Yours very respectfully, A. C. Shallenberger, Breeder of Shorthorn cattle. 4-18-21."

Note—The Shallenberger and Andrews sale held at Cambridge, Nebr., on April 7, averaged \$536 on 47 cattle. They used half page copy in the Kansas Farmer-Mail and Breeze in advertising this sale.

POLAND CHINA HOGS

Ho Yes! Listen Boys

If you want some of the best Polands, arrange to breed one of your brood sows to Goldengate, Defender, Giant Bob Wonder or Jumbo Joe. These are great boars and you will surely get size and individuality from three of the largest boars of the breed. We will breed and hold over first period for \$50.00, 15 approved sows. This is the opportunity for breeders to get in line for their future bids fair to unfolding prosperity to the breeder who raises good Polands and employs efficient sires. A few May and June gilts bred to farrow in May and April at low prices. Baby pigs at weaning time, sired by Giant Bob Wonder and Jumbo Joe, \$20-\$25, out of my 700 and 800 pound Great Master sows. Also one good late fall boar pig. Come or write

O. R. Strauss, Silver Dale Farm, R. 1, Milford, Kan.

WITTUM'S POLANDS

Fall boars. Sires—Big King by A Wonderful King, Wittum's Giant by Morton's Giant by Disher's Giant. Spring boars sired by same boars and King Cole, 1920 Nebraska champion. Bred sows and gilts, some bred to son of Checkers.

F. E. WITTUM, CALDWELL, KANSAS

The Better Kind

of Poland Chinas at farm prices. Get new private catalog giving stock for sale, care, business methods, etc. Address MYERSDALE FARM, Gardner, Kan.

10 Fall Yearling Boars

Immunized and good ones at \$22.00 each. Must have the room. 10 gilts same age and breeding, bred or open. You can't beat this.

J. J. Hartman, Elmo, Kansas, Dickinson Co.

Big Type Quality Polands

Yearling granddaughters of Cook's Liberty Bond bred to choice boars for September farrow. March weanlings by The Kansas Guardsman. Pictures and prices on request. ROBERT MONTEE, McCune, Kan.

DEMING RANCH POLANDS

Sows and gilts for April and May farrow. Address H. O. Sheldon, Herd Mgr., Deming Ranch, Oswego, Kan.

Eden Valley Farm Big Type Polands

Popular strains, pre-war prices. Pigs \$15 and up. Tried sows, open gilts, young boars and fall pigs. G. F. ULREY, UTICA, KANSAS

TUCKER HAS A GOOD POLAND HERD

Spring and fall gilts and boars, tried sows, weanling pigs. Most of them by sons or out of daughters of Masterpiece, The Yankee, The Clansman, Flasher Picked, F's Big Jones, The Rainbow. Good individuals. Priced reasonably. Immunized. Satisfaction guaranteed. S. J. TUCKER, JR., 140 S. Belmont, Wichita, Kan.

POLAND CHINA BOARS

High class big type Poland China boars at farm prices. We send C. O. D. if desired. G. A. Wiebe & Son, R. 4, Box M, Beatrice, Neb.

LARGE BONED POLANDS

for sale. Priced to sell. Ten fine January males and females of choice breeding. R. J. Hill, Liberal, Kansas

BIG TYPE POLAND CHINAS

November boars and gilts, \$30.00 each. Wayne Bartlett, Spearville, Kansas

FOUR POLAND CHINA FALL BOARS

Popular breeding. A few choice spring boar pigs. John C. Jordan, Savonburg, Kansas.

POLAND CHINA HOGS

Poland China Fall Boars and Gilts

from our prize winning herd. We have the largest Poland China mail order business in Nebraska. Write us your wants.

PLAINVIEW HOG & SEED FARM Frank J. Rist, Prop., Humboldt, Neb.

Boars, Boars, Boars

The big smooth prolific kind. The best of breeding. We ship on approval. Prices right.

W. A. Prewitt & Sons Asherville, Kansas

A FEW POLAND CHINA FALL GILTS Open, also boars ready for service. R. E. Mariner, Fredonia, Kansas

DUROC JERSEY HOGS

DUROCS

For the get of Col. Sensation, 1st prize senior boar, 1920, write H. C. LUTHER, ALMA, NEBRASKA

60 Fall and Summer Gilts—40 Proven Sows, All Immunized

Bred for July, August and September litters to Pathfinder Sensation, "Sissors" and Orion boars. Farmers prices and time if desired. Papers sent promptly with each purchase. Write for descriptions and prices.

E. J. Bliss, Bloomington, Kan., Osborne Co.

Royal Herd Farm Durocs

September boars, real ones, Pathfinders and Sensations. A few sows and gilts bred to Victory Sensation 3rd for May farrow. Come or write.

B. R. ANDERSON, McPHERSON, KANSAS

Fall Boars—Bred Gilts

A few very choice boars and some choice gilts open or will breed them for fall farrow. Prices very reasonable.

W. L. FOGGO, BUR OAK, KANSAS (Jewell County)

CHAMPION DUROCS

Spring pigs sired by Pathfinder 3rd, 2nd at Kansas State Fair, 1920, and Great Pathfinders grand champion 1920. Also have two outstanding fall boars and an 800 lb. three year old.

L. O. Lovelace, Independence, Kansas, R. 1

Pathfinder—Sensation Boars

Six extra fine yearling boars. Several fall boars. These combine the blood of Pathfinder and Great Orion Sensation. Orders booked for weanling pigs.

G. M. SHEPHERD, LYONS, KANSAS

Wooddell's Durocs

14 selected fall boars priced to sell. Sold all my culs to a feed of Popular blood lines represented. Phone, wire, write or come.

G. B. WOODDELL, WINFIELD, KANSAS

Replogle's Durocs

Fall boars and gilts; spring pigs, weaned and to be weaned. Herd sire is a son of Jack's Orion King 2d, the 1917 world's junior champion. Am selling good Durocs. SID REPLOGLE, Cottonwood Falls, Kan.

Bred Gilts, Fall Boars, Weanling Pigs

by Intense Orion Sensation, Pathfinder Chief 2nd, I Am Great Wonder, Great Pathfinders, the Kan. grand champion, immunized, recorded, and express prepaid.

OVERSTAKE BROS., ATLANTA, KANSAS

FALL BOARS, OUT OF A REAL SOW

and sired by a son of Jack's Orion King 2d. Double immune and guaranteed breeders. The price is right.

S. D. SHAW, WILLIAMSBURG, KANSAS

McCOMAS' DUROCS

March boar pigs by Pathfinder, 1920 Topeka grand champion, and fall boars by Jack's Orion King A by Jack's Orion King 2d, 1917 world's junior champion.

W. D. McComas, Box 455, Wichita, Kansas

SEVERAL GOOD STRETCHY FALL BOARS

for sale. 100 spring pigs at weaning time all well bred and priced to sell. Two serviceable long yearling Shorthorn bulls \$100 each. Will take Liberty bonds at par. Write your wants.

J. E. Weller, Holton, Kansas

FOR SALE—A few Duroc Jersey June gilts

and boars. Well bred and immunized. Also a bunch of weaned pigs. Prices right.

E. M. Snook & Son, Milo, Kansas

REAL DUROC HERD HEADERS

Fall boars; priced to sell. Sired by Valley Sensation, Major Sensation and Invincible King.

J. F. Larimore, Grenola, Kansas.

MUELLER'S DUROCS

Pathfinder pigs, ready to wean, \$10 each.

W. K. Mueller, St. John, Kansas

HAMPSHIRE HOGS.

Walter Shaw's Hampshires

200 head; registered; immunized; 35 tried sows bred; 50 gilts; service boars; best of breeding. Wichita, Kan., R. 6, Tel. 3918. DERBY, KANSAS.

Whiteway Hampshires on Approval

Choice fall boars and gilts with breeding, size and quality. Priced for quick sale. Everything immunized.

F. B. WEMPE, FRANKFORT, KANSAS

HAMPSHIRE FALL BOARS AND GILTS

Spring pigs, C. R. Pontius, Eskridge, Kan.

SPOTTED POLAND HOGS.

Weddle's Spotted Polands

Sold out of sows and gilts. Have some good fall boars ready for spring service. Will book spring pigs for future delivery. Sows doing fine. Farrowing 8 to 14 pigs by herd sires, Kan. Jumbo and Mo. Model. Phone Kechl 1551 or address Thos. Weddle, Route 2, Wichita, Kan.

Spotted Poland China Hogs

200 spring pigs at farmers prices, pairs and trios no kin, one gilt and boar \$45.00, two gilts and boar \$70. Also 15 large fall yearling gilts bred for summer litters, registered, immune, priced at \$40 and \$50.

M. H. FORTH, HUNTSVILLE, MISSOURI

Spotted Poland Chinas

A few gilts for May farrow. Booking orders for spring pigs at farmers' prices. CEDAR ROW STOCK FARM, A. S. Alexander, Prop., Burlington, Kansas.

Reg. Yearling Boar and 2 Herd Boars

50% white. A few fall boars. These are a choice lot. T. L. Curtis, Dunlap, Kansas.

WM. HUNT'S SPOTTED POLANDS

Gilts and fall boars. Herd sires, Leopard King and Fairholmes Royal Booster. Long established herd. Wm. Hunt, Osawatomie, Kan.

SPOTTED POLANDS—Big type English Herd boars, Arb McC's King and Arb English Drummer, grandson of the \$4,050 sow. Sows bred to son of the \$7,100 boar, Joe M. A few Joe M. boars and gilts. C. W. WEISENBAUM, ALTAMONT, KAN.

BIG TYPE REG. SPOTTED POLANDS

Early spring pigs sired by K's Budweiser. Females, \$15; males, \$12.

R. E. Kerley, Peck, Kansas

SPOTTED POLAND BOARS, strong, bigboned, ready for service. Splendid weanling boar pigs, all at farmers prices. Wm. Meyer, Farlington, Kansas.

BERKSHIRE HOGS

BERKSHIRE BOARS

Priced to sell. Also fall gilts.

R. C. King, Burlington, Kansas

LIVESTOCK AUCTIONEERS AND SALE MANAGERS.

BOYD NEWCOM AUCTIONEER

217 BEACON BLDG., WICHITA, KANSAS.

P. M. GROSS, 410 West 12th Street, KANSAS CITY, MO.

Jas. T. McCulloch, Clay Center, Kan.

My reputation is built upon the service you receive. Write, phone or wire.

Fred L. Perdue, Auctioneer

4159 Tejon Street, Denver, Colorado

Sales made anywhere, any time.

LAKE BURGER, WELLINGTON, KAN.**FRANK GETTLE, Livestock Auctioneer**

Efficiency First. For open dates address as above.

HORSES AND JACK STOCK

Great Show and Breeding Jacks

Priced right. Hinemans' Jack Farm, Dighton, Kan.

AYRSHIRE CATTLE.

Linndale Farm Ayrshires

For Sale: A few good females, cows and heifers; one bull ready for service; your choice of 4 bulls, six months and younger, at \$100 each. Come and see them or write for descriptions at once.

JOHN LINN & SONS, Manhattan, Kan.

PUREBRED AYRSHIRE HEIFERS

for sale. Ages from 8 months to 23 months.

Two heifers bred to freshen this year. For pictures, pedigrees, prices, write

DEPARTMENT DAIRY HUSBANDRY, University of Nebraska, Lincoln, Nebraska

AYRSHIRE BULL CALVES FOR SALE

Best of breeding. \$35 to \$100.

James Wagner, Perth, Kansas

HOLSTEIN CATTLE.

FREE

Cartfare Both Ways of



May 23-24

For particulars write or wire
Missouri Holstein Friesian Association
Sedalia, Mo.

HOLSTEIN AND GUERNSEY CALVES

Practically purebred, 7 weeks old, \$30 each. We pay express and ship C. O. D. subject to inspection. Write for prices on older stock.

Spreading Oak Farm, Whitewater, Wis., R. 1

When writing advertisers mention this paper

Great Orion and out of King's Col. dam. Others are by Buster Pathfinder by Great Pathfinder by old Pathfinder. His dam was Pathfinder's King Lady by A Top Pathfinder. Mr. Hilbert will advertise his boars for sale in the Kansas Farmer and Mail and Breeze again this fall.—Advertisement.

J. O. Honeycutt's Angus Herd

J. O. Honeycutt, Blue Rapids, Kan., Marshall county, advertises in this issue of the Kansas Farmer and Mail and Breeze registered Angus bulls at farmers prices. Mr. Honeycutt founded his registered Angus herd a few years ago when he purchased the top females in the big Palmer dispersion at Liberty, Neb. He grows them on his farm just south of Blue Rapids and these bulls, one yearling and two two-year-olds, will be sold at very reasonable prices. Write him for descriptions and prices.—Advertisement.

Gordon & Hamiltons Durocs

Geo. T. Hamilton, managing partner of the firm of Gordon & Hamilton, breeders of Duroc Jerseys at Horton, Kan., reports about 100 spring pigs, mostly by Sensation King and Golden Pathfinder, their two herd boars. Sensation King is three years old past and a son of Great Sensation and out of Proud Bess by King's Col. He is one of the good sons of Great Sensation owned in Kansas. Golden Pathfinder by Ideal Pathfinder and out of Golden Uneeda by Uneeda Crimson Wonder is three years old this fall and a good sire of great size.—Advertisement.

T. G. McKinley's Red Polled Cattle

T. G. McKinley, Alta Vista, Kan., Morris county, starts his advertisement again in this issue of the Kansas Farmer and Mail and Breeze. Mr. McKinley offers his two herd sires and five young bulls and five cows. The McKinley Red Polled are well and favorably known all over the west and the prices he is offering these two big sires at and in fact the younger bulls and the cows is so low that no Red Polled breeder or anyone contemplating starting in the Red Polled business should fail to investigate it. Now is certainly the time to buy purebred Red Polled and you should write to Mr. McKinley at once.—Advertisement.

E. J. Bliss's Durocs

E. J. Bliss, Bloomington, Kan., breeder of registered Duroc Jerseys and one of the Kansas breeders that bought liberally of fashionably bred sows and gilts from leading herds last winter is advertising 60 bred gilts and 40 bred sows that will farrow during the summer and fall. His prices are low, and he is a mighty good man to deal with. He will sell to responsible parties on time if it is desired. He is also offering pigs at weaning time. Mr. Bliss does not expect to hold public sale but expects to sell everything at private sale. Look up his advertisement in the Kansas Farmer and Mail and Breeze this week.—Advertisement.

F. J. Moser's Duroc Herd

F. J. Moser, Sabetha, Kan., is one of the best known breeders of Duroc Jerseys in Kansas and his herd at Sabetha is one of the best herds in the state. Joe King Orion, that he was unfortunate in losing last fall, did much to popularize his herd. A son of this great boar is now in service in the herd and is considered by Mr. Moser and by many that look at him to be the best individual of the two. He is recorded as Joe King Wonder and was used some last fall and his get is convincing evidence that he is going to prove a great sire. But few herds anywhere contain more outstanding herd sows than does the Fern Moser herd. And mated as they are with the herd boars in use in this herd the results are always satisfactory and very profitable to those who buy from the Moser herd.—Advertisement.

The Lindsborg Holstein Sale

The sale of 65 Holsteins in the sale pavilion at Lindsborg, Kan., Monday, May 23, should be of interest to every farmer and Holstein breeder in central Kansas at least. It is going to be a good place to be if you want more milk. Everything will be sold with the usual retest privileges and everything has been tested recently for T. B. and practically all of the cows and heifers are either fresh sale day or will freshen soon after the sale. There are going to be young bulls in this sale, sired by one of the best known bulls in Kansas and they are ready for service. If you want to know more about this splendid offering write to W. H. Mott, Herington, Kan., who is managing the sale. The advertisement appears in this issue of the Kansas Farmer and Mail and Breeze.—Advertisement.

Kempin Bros. Have Good Durocs

Kempin Bros., Corning, Kan., Nemaha county, are breeders of Duroc Jerseys that hold fall and winter sales at that place. At the head of their herd is King Sensation I am, a son of King Sensation, and his dam was by The King. King Sensation I am is three years old and his get, scattered over the country thru two bred sow sales is giving satisfaction everywhere it is found. Proud Pathfinder, a son of Pathfinder's Likeness, two years old, is another sire in use that is giving satisfaction. Joe Wonder Orion by Joe King Orion and out of A Great Wonder I Am dam is the junior herd boar in use. He is very promising and is the sire of quite a number of the 1921 spring crop of pigs. The Kempins are up to date breeders and own some of the valuable herd sows owned in northeast Kansas.—Advertisement.

The Peterson Duroc Herd

M. R. Peterson, Troy, Kan., but who holds his bred sow sale in Bendena because it is the seat of purebred affairs in that section, breeds Duroc Jerseys of a kind and quality that are popular. He has 70 spring pigs. One litter is Great Orion Sensation and it is a wonderful litter. Other litters by popular sires and out of dams by popular sires are features of the Peterson herd that will be outstanding this fall and next winter. Higher Pathfinder and High Pathfinder's Wonder are two March yearling boars by High Pathfinder and out of a Great Wonder dam that you must see to appreciate. They are a pair of real boars and one of them is for sale. There is a fall boar that Mr. Peterson will show this fall by Great Orion Sensation and out of a High Defender dam that is another great prospect. Mr. Peterson will show at Topeka and Hutchinson and at the northeast Kansas county fairs.—Advertisement.

Mitchell Bros.' Shorthorn Sale

Mitchell Bros., Valley Falls, Kan., Jefferson county, are advertising their Shorthorn sale to be held at the fair grounds, Valley Falls, Wednesday, June 1. In this sale they are selling 43 head, 36 cows and heifers and seven bulls. Many of the cows and heifers are by their old herd bull, Gwendoline's Lad, and are bred to Bessie's Dale, pronounced by those who know to be the best son of the great Matchless Dale. The seven bulls in

HOLSTEIN CATTLE

HOLSTEIN CATTLE

PICKERING FARM
30—HOLSTEINS (5 Bulls, 25 Heifers)—30
From World Record Breeding Stock

This is the chance of your lifetime to buy the best of foundation Holsteins from a reliable breeder who guarantees every animal, the only opportunity you will have this year to purchase Pickering Holsteins at public auction.

Missouri State Holstein Show and Sale, May 23-24
Missouri State Fair Grounds, Sedalia, Missouri

The bulls are all sired by Finderne Pride Johanna Korndyke and out of tested dams. Part of the females consigned to this sale are sired by Finderne Pride Johanna Korndyke, while others are in calf to this great bull, some will be fresh at the time of sale. As you will remember, Finderne Pride Johanna Korndyke is a son of the highest yearly record cow living and he already has 18 ARO daughters, while others are now on test and still others due to be tested as soon as they freshen. All of these offerings can be seen at farm, before sale date. We also have a few young bulls out of high testing dams sired by our great herd bull, for private sale at the farm. Nearly 100 of this famous bulls' cows in our herd.

Special Announcement—Purchase of King Echo Poesch Lyons, Junior, herd sire—the richest bred May Echo bull.

Write for sale catalog to Maj. Mario J. Fiske, Mgr.
PICKERING FARM, Belton, Mo.
Purely a Breeding Establishment

More Cream in Your Cream Check

20 pure bred cows and heifers; 40 high grade cows and heifers. Five young bulls of serviceable ages.

Holsteins for Central Kansas in McPherson county's first annual breeders sale in the sale pavilion,

Lindsborg, Kan., Monday, May 23

The cows and heifers selected for this sale will be fresh sale day or will freshen soon after.

Everything T. B. tested and sold with usual retest privileges.

The pure bred are sold to reduce a well known Eastern Kansas herd and affords an unusual opportunity to buy pure bred very reasonably.

The high grade cows and heifers are the kind that pay in any dairy or on any farm.

The young bulls are sons of one of the great bulls in Kansas.

Catalogs ready to mail right now. Address,

W. H. Mott, Sale Manager
Herington, Kansas

Holstein Bulls, One-Half Price

Bulls with type and long distance records, out of dams with yearly records up to 1000 lbs. Never owned a cow that did not make over 500 lbs. butter in year. These bulls sired by a son of the great show bull Oak De Kol Ollie Homestead 85529. Dam a daughter of Sir Johanna Payne 42147. When you are talking of this combination, you are talking of butter records over 1000 lbs. and milk over 20,000. These bulls are well grown and very typy. Write for pictures and prices.

Highpoint Holstein Farm, Ray W. Tyler, Prop., Vinton, Iowa

Registered Holstein 2-Year-Old Bull

for sale. Son of Korndyke Winona. First two dams average 34 pounds butter in 7 days. Sire's dam 42 pounds. Her sister 47 pounds. If you want production this is the kind.

Winwood Dairy Farm, Burlington, Kansas

Choice Young Holstein Bull

Now ready for service. Extra large for his age, finely marked and a perfect individual. Best of breeding, A. R. O. Records for three generations. Priced right.

ERNEST A. REED, ROUTE 2, LYONS, KAN.

HOLSTEIN AND GUERNSEY CALVES, 31-32nds pure, 7 weeks old, \$25.00 each, crated for shipment anywhere. EDGEWOOD FARMS, Whitewater, Wis.

FOR HIGHLY BRED HOLSTEIN CALVES Heifers and bulls, beautifully marked, from heavy producing dams, write

Fernwood Farms, Wauwatosa, Wisconsin

REGISTERED HOLSTEIN BULL Choice, growthy, almost ready for service, \$75.00. W. H. Williamson, Raymond, Kan.

CHESTER WHITE HOGS.

O. I. C. PIGS, HARRY HAYNES, Grantville, Kan.

FALL BOARS AND SPRING BOARS Popularly bred, large type fellows. Priced to sell.

E. E. Smiley, Perth, Kansas.

OAKLEAF'S O. I. C.'S. Bred gilts, spring pigs, no kin. Prolific, large. Write for prices. Marcus Oakleaf, Mound Valley, Kan.

CHESTER WHITE BRED GILTS and weanling pigs. Verg Curtis, Larned, Kansas.

O. J. C. PIGS, MARCH FARROW Perry Chubbuck, Rice, Kansas

Henderson Co. Polled Hereford Breeders Ass'n

Headquarters for Polled Herefords. 30 Herds; 1500 Cattle—The Best the Breed Affords
The large number of cattle offer wide opportunity for selection. Now in offer at reasonable prices. Cows and bred heifers bred to top bulls of the breed. Several carloads of bulls and some extraordinary herd bull prospects. Write for information to

H. N. Vaughan, Pres., Stronghurst, Ill. Ralph Painter, Secretary

Marvel's Pride 2nd, Polled Duke and Marvel Fairfax

All in service. The leading herd bull nursery of the breed. Topnotch females, bred or open. We have anything you want in Polled Herefords and we want to sell.
RALPH PAINTER, STRONGHURST, ILL.

VAUGHAN'S Polled Herefords

HERD BULLS: Repeater Bullion, Marvel Anxiety and Gaylad Gem. Now offering five outstanding herd bull prospects, and a carload of cows and heifers.
H. N. VAUGHAN, STRONGHURST, ILL.

ROY W. PARK, Media, Illinois

OFFERING: 15 open and bred choice Polled Hereford heifers; 10 extra good bulls and a few good cows. Heifers all granddaughters of Prime Grove by Echo Grove. Write for prices.

Herefords Sold On Time

Horned and Polled Herefords. Over 200 head in herd. Polled Anxiety, sire of several \$5,000.00 bulls, still in service. Outstanding sons and daughters now offered. Also carload of both bulls and females.
H. A. ADAIR, STRONGHURST, ILLINOIS

South Grove Stock Farm

Home of Marvel's Pride, the highest priced Polled Hereford bull and whose offspring are the best the breed affords. Herd head-ers and bred foundation females our specialties. Write us.
STINE BROS., STRONGHURST, ILLINOIS

POLLED HEREFORDS HAVE SURPASSED

every other beef breed in their rapid growth in popularity. The reason is their preeminent adaptability to general livestock farming. Their gains have been made wholly on the good farms of the country. Real farm business information will result from your inquiries to the secretary of the Henderson County Association and the Henderson County advertiser.

Blue Valley Herefords



For sale: 14 head of registered Hereford bulls from 12 to 16 months old. Price from \$85.00 to \$125.00 delivered by prepaid express at your station. This ad will appear but once so come soon or send in your mail order for a bull. We fill lots of mail orders and will give you a square deal.

COTTRELL & MONTAGUE, IRVING, KANSAS

SHORTHORN CATTLE.

Genuine Herd Bulls by Master of the Dales and out of Collynie Bred Cows

Master of the Dales bulls are proving themselves splendid breeding bulls and we can show you a few real bulls of first class herd heading character. They are a practical, husky and well grown lot that will appeal to breeders wanting bulls of real merit.

H.M. Hill, LaFontaine, Kan.

56 Reasonably Priced Milking Shorthorn Bull Calves specially priced for farm herds, in the current issue of the Milking Shorthorn Journal, sent on request. Prices are \$50 and up, average \$149. Some heifers too. Milking Shorthorn Society, Dept. D, Independence, Ia.

SHORTHORN CATTLE.

1886 Tomson Bros. 1921

Village Marshall Marshall's Crown

We offer a remarkable lot of young bulls of our own breeding. Address Wakarusa, Kan. or Dover, Kan.

3 Good Shorthorn Bulls

Young Scotch herd bull. Good breeder by Hampton and out of Collynie Primrose, yearling Scotch bull by Village Champion. Dam a full sister to herd bull, yearling Scotch topped bull by Village Champion. Good bulls priced to sell. Satisfaction.
FRANK H. YEAGER, BAZAAR, KAN.

A Southwest Kansas Shorthorn Herd

Scotch and Scotch topped cows, heifers and bulls. All ages. Well bred, large good individuals with especially good heads. Write today. Satisfaction guaranteed.
H. W. ESTES, SITKA, KANSAS.

When writing advertisers mention this paper

Bessie Dale Shorthorns

Mitchell Bros. Will Sell

43 Head of Shorthorns 43

This offering of good Shorthorns is drafted from one of Kansas' good breeding herds. Sale at the fair grounds,

Valley Falls, Kan., Wednesday, June 1

An excellent opportunity for the beginner to start with the right kind of a foundation.

36 Cows and Heifers, Seven Bulls

Any buyer in this sale buying 10 or more females in this sale will be given a herd bull free.

The offering will include many daughters of the good stock bull, Gwendoline's Lad 386304 and bred to Bessie's Dale 790442, the greatest son of Matchless Dale.

The bulls in the sale are a good lot and will add wealth to their new owners. An attraction in the sale is a grandson of Diamond Dale, a wonderful young Scotch bull.

Catalogs ready to mail. Address

Mitchell Bros. Valley Falls, Kan.

the sale are of real value and one is an attraction in any sale and possibly the best bull sold at auction in a long time in that part of Kansas or in the state. He is a pure Scotch bull, a grandson of Diamond Dale and a real bull that should go to some good herd. The Mitchells have nearly 100 head of registered Shorthorns and are selling nearly half of them and the division is a fair one and the offering will convince those who attend that the Mitchell herd is one of real merit. You will be interested in their catalog and you should write for it right away. This is not an ordinary lot of Shorthorns that will be sold but on the contrary it is an unusual lot of well bred Shorthorns that are good individually and is the reduction of one of the important herds of northeast Kansas. You can reach Valley Falls from either Topeka or Atchison the morning of the sale very conveniently on early trains and return to either place the evening of the sale on evening train after the sale is over. It is going to be a mighty good place to buy foundation cattle. Nothing has been fitted especially for the sale. Everything is in good ordinary flesh and splendid health. Write at once for the catalog as they are ready to mail.—Advertisement.

BY J. T. HUNTER

Attention is called to the advertisement of Wayne Bartlett in this issue of Kansas Farmer and Mail and Breeze. Mr. Bartlett owns a good herd of big type Poland Chinas and at this time is offering November boars and gilts at reasonable prices. Look up his ad and write him for prices, breeding and description.—Advertisement.

Duroc Boars Offered by McComas

W. D. McComas, Wichita, Kan., is offering for sale some extra good Duroc March boar pigs by his herd sire, Pathrion, the 1920 Topeka grand champion and fall boars by another sire, Jack's Orion King A by Jack's Orion King 2d, 1917 world's junior champion. Dams are Pathfinders, Sensations, etc. McComas sends out good Durocs and stands behind his guarantees. Write today. Please mention Kansas Farmer and Mail and Breeze. Address W. D. McComas, Box 455, Wichita, Kan.

The Oakleaf Herd of O. L. C.

Marcus Oakleaf, Mound Valley, Kan., has a herd of O. L. C's and will sell yearling bred gilts, and spring pigs, no kin. Mr. Oakleaf has brought into his herd some extra good dams from Michigan, Iowa, Missouri and Georgia. His herd sire is a 900 pound boar that was second at National show, Atlanta, Ga. His sire, Schoolmaster, was the 1919 world's grand champion. Write Mr. Oakleaf about these well bred O. L. C's. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Frank H. Yeager Offers 3 Shorthorn Bulls

Frank H. Yeager, Bazaar, Kan., starts an advertisement in this issue of Kansas Farmer and Mail and Breeze offering for sale three good Shorthorn bulls. One is his Scotch herd bull, a five-year-old that has proven to be a good breeder but must now be sold as he is related to too many females in the herd. This bull is by Hampton by Hampton Village Champion. Dam a full sister to herd bull, a yearling Scotch topped bull by Village Champion. One is a yearling Scotch bull by Village Champion and out of a full sister to the herd bull just mentioned. There is a yearling Scotch topped bull by Village Champion that is also for sale. These bulls are tuberculin tested and sold guaranteed. They are priced to move quickly and well worth the money. Write, phone or call on Frank H. Yeager, Bazaar, Kan. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Last Call for Cheadle's Hereford Sale

Feed is plentiful and cheap, registered livestock is scarce but selling at prices now low enough so that any farmer who wants to start a herd or wants to improve his herd can do so at a reasonable cost. May 18 at Cherokee, Okla., there will be a sale of 50 Herefords: 20 cows, over half with calves at side, 20 heifers and 10 bulls. Mr. Frank Cheadle, Cherokee, Okla., is selling this offering taken from his herd of good Herefords. It is a case of having too much cattle and not enough pasturage to take care of the surplus that naturally accumulates. Don't forget the date and if you have time you should send for a catalog. Note that Mr. Cheadle is selling one of his herd sires because of the reduction of the herd and need for but one sire. Please mention Kansas Farmer and Mail and Breeze if you write for a catalog.—Advertisement.

F. E. Wittum's Polands

F. E. Wittum, Caldwell, Kan., has a good herd of Polands and will sell some of the surplus. He has several fall boars sired by Big King by A Wonderful King, several by Wittum's Giant by Morton's Giant by Dishier's Giant. Ten of his spring boars are sired by the same boars and King Cole, the 1920 Nebraska grand champion. In Mr. Wittum's herd are 60 tried sows and gilts bred for fall litters. Some of them are bred to his new boar, a son of Checkers. Here are some well bred Polands from blood lines that have been very popular in the northern part of the hog country and they are brought right down close to Oklahoma and southern Kansas buyers where express and freight charges for transportation will be much less than they would be were you to send further north and get exactly the same breeding. Mr. Wittum starts his advertisement in this issue of the Kansas Farmer and Mail and Breeze. Write him today. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Buy This Holstein Bull Calf

Holsteins have kept up in price wonderfully well thruout the period of readjustment and prospective purchasers of Holsteins should not figure that they will drop much if any lower in price. The very fact that Holsteins did maintain a better sales price than nearly any other kind of livestock for sale thruout this period of price readjustment is a guarantee of their being a safe buy right now. If you will need a Holstein bull in the future but not right now, would it not be a wise move for you to get a good Holstein bull calf and grow your own bull and avoid paying a long price for a bull right at the time when you need him? Cheap feed and pastureage coupled with the fact that Holstein men this spring are offering surplus bull calves at very reasonable prices should be a strong inducement for you to get that bull calf now. If you will write or phone Bert Gosney, Mulvane, Kan., you will likely find the kind of a bull calf that you want. He is offering for \$100—one that is almost white. He has others for sale but mentions this one particularly in his recently changed advertisement in the Holstein section of the Kansas Farmer and Mail and Breeze. Liberty bonds or note for half purchase price is acceptable on any bull Mr.

HEREFORD CATTLE

HEREFORD HEIFERS and they are GOOD

You will be proud of them, as we are. But we raise them to sell and price according to the times. Their quality sells them to the man who wants foundation stock. They make us money even now, but not half what they will make you if you buy now. They are the better kind. The other goes to the feed lot these days. Choice Anxiety blood; all our own breeding and all guaranteed. Write for particulars and plan to see the whole herd. We have been in the purebred business all our lives.

Lee Bros., Harveyville, Kan.

Five Extra Good Reg. Hereford Bulls

for sale, 12 to 24 months old, of the very best Anxiety 4th breeding. Priced at little more than half price.
ALBERT E. SMITH, POTWIN, KANSAS

ANGUS CATTLE



20 Bulls

15 to 30 months old. Big, strong fellows. Priced reasonable.

J. D. MARTIN & SONS
E. 2, Lawrence, Kan.

Angus Bulls, Farmers Prices

Two two year olds and one yearling. These are real herd bulls and priced below their value. I must move them. Write for particulars. J. O. HONEYCUTT, BLUE RAPIDS, KAN. (Marshall County)

ANGUS CATTLE Some choice bulls for sale.
GEO. M. McADAM, HOLTON, KANSAS

RED POLLED CATTLE

SOME extra fine registered bulls for sale. Write for prices and descriptions, or better come and see them. Herd bulls used in the herd were from the breeding of some of the best Red Polled herds in the country such as Lake Wales, Chas. Grub & Sons and Mahlon Greenmiller.
GEORGE HAAS, LYONS, KANSAS.

Pleasant View Stock Farm Registered Red Polled cattle. For sale, a few choice young bulls, cows and heifers.
Halloran & Gambrell, Ottawa, Kansas

Red Polls For Sale

The two big sires of "Springdale"—Napoleon's Ret-ben 28735 and Gladmore 27390. Five young bulls and five cows. Government bonds accepted. Now is the time to buy. T. G. MCKINLEY, ALTA VISTA, KAN.

FOSTER'S RED POLLED CATTLE

A few choice young bulls.
C. E. Foster, Route 4, Eldorado, Kan.

RED POLLS. Choice young bulls and heifers. Write for prices and descriptions.
Chas. Morrison & Son, Phillipsburg, Kan.

REG. RED POLLED BULL CALVES as good as they grow. Price \$100.
T. A. Hawkins, Garden City, Kansas

RED POLLS—TWO GOOD YOUNG BULLS Price \$75 and \$85. Write for description.
C. Walter Sander, R. 2, Box 9, Stockton, Kan.

RED POLLS—A FEW YOUNG BULLS and heifers. Fine individuals.
I. W. Poulton, Taron, Kansas

TWO EXTRA RED POLLED BULLS for sale. D. F. Vanbuskirk, Blue Mound, Kan.

POLLED SHORTHORNS.

200 Polled Shorthorns

Show prospects and practical breeders, \$75 and upward. J. C. BANBURY & SONS, 1 mile north of PLEVNA, KAN.

TWO POLLED SHORTHORN BULLS for sale. 14 months old. Priced for quick sale.
A. J. Meier, Abilene, Kansas

JERSEY CATTLE

Hillcroft Farms Jerseys headed by Queens. Fairy Boy, pronounced the best bred Jersey bull in Missouri, a Register of Meritson of Raleigh's Fairy Boy, the greatest bull ever imported, 54 tested daughters, 86 tested granddaughters and 34 producing sons. Choice bull calves for sale. Reference Bradstreet.
M. L. GOLLADAY, PROPE, HOLDEN, MO.

TESSORO PLACE JERSEYS One of the largest Register of Merit herds in the state. We won \$1,300 at four state fairs this fall. A choice lot of bull calves, grandsons of Financier, a choice lot of Register of Merit cows. Other stock for sale.
E. A. GILLILAND, MAYETTA, KANSAS

For Sale—Cash or Government Bonds 2 choice reg. Jersey cows, one bull, Hood Farm breeding. S. S. Smith, Clay Center, Kan.

Scantlin Jersey Farm, Savonburg, Ks. Financial Kings, Raleigh and Noble of Oakland breeding.

ONE REGISTERED JERSEY BULL 1 year-old March 8. Price reasonable if taken at once. Mrs. Pearl Kemp, Winona, Kansas.

REGISTERED JERSEY BULLS FOR SALE Hood Farm breeding. \$50.00 each. Credit if desired. Percy Lill, Mt. Hope, Kansas.

REGISTERED JERSEYS, cows, heifers, bulls. Write your wants. W. E. Linton, Denison, Kan.

GUERNSEY CATTLE

Reg. Guernsey Cow

bred to male whose parents' first 4 dams average 510 pounds butterfat. Also bull calf and bull of serviceable age. R. C. KRUEGER, BURLINGTON, KAN.

DOGS AND PONIES

German Shepherd, Airedales, Collies and Old English Shepherd Dogs

Brood Matrons, Puppies, Farm Helpers 10c for instructive list.
W. E. Watson, Box 506, Oakland, Iowa.

Gosney has for sale. Write B. R. Gosney, Mulvane, Kan., today. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

BY O. WAYNE DEVINE

Attention is called to the advertisement of the Missouri Holstein Friesian association in this issue. If interested in high class Holsteins look up their advertisement and arrange to be in Sedalia, May 23 and 24.—Advertisement.

A New Private Catalog

A new catalog of the Myersdale Farm Polanders is just out. The private sale catalog idea is a good one. It is a big help to the intending buyer as well as the seller. This new catalog contains some good ideas, as well as the fact concerning hogs for sale. To get one address H. E. Myers, Gardner, Kan., and mention this paper.—Advertisement.

The Farmers' Hog

In this issue will be found the card announcement of M. H. Porth, Huntsville, Mo. At the head of this great herd of Spotted Poland Chinas will be found four valuable herd sires, Royal Buster by Ideal Buster, a big type Spotted Poland China bred boar. The Aristocrat is a triple alliance bred boar that is siring a fine lot of well marked pigs. English King Lear is a grandson of the Duke of England and has proven a fine breeder of the right type. Prince of England Again is also used in the herd, he by the Prince of England and is a litter mate to the famous Royal Spot now at the head of Sulliff & Jennings herd. Mr. Porth is offering some splendid bargains in spring pigs priced in pairs and trios no akin. Also a rock bottom farmer price is made on 15 fall yearling gifts bred for late summer litters, registered, immune and sold on an absolute guarantee of satisfaction or your money back, priced at \$40 and \$50. First order gets choice. If you want real bargains don't delay as these bargains will not last. Please mention this paper when you write.—Advertisement.

Shorthorns That Grow Profit

In this issue will be found the sale announcement of A. J. James & Sons' Shorthorn sale at Lenexa, Kan., on Friday, May 20. The sale will be held at the Meadowbrook farm near Overland Park, Kan. They will offer 50 head of useful cattle, 42 cows and heifers, several cows have calves at foot and bred again, are bred to good Scotch bulls, such as Roan Lord 2nd, an Avondale bred bull, Secret Pilgrim, a pure Scotch Cruickshank, Violet Bud, and Crescent Sultan, a Bruce Augusta. The offering will consist of profit making cattle. Any farmer or breeder wanting a few more good cattle can well afford to attend this sale and buy. A. J. James & Sons are old established breeders. They have sold cattle to beginners to start herds in several states. They are not quitting the Shorthorn business. They are only reducing their herd of 150 head of registered Shorthorns. The writer has inspected the herd and they are selling some of as good cattle as they are keeping in the herd. Please read ad in this issue and arrange early to attend this sale. Catalogs are now ready to mail. Write today and mention this paper.—Advertisement.

Villager Shorthorns June 1

The triple breeding plant of Fred C. Barber, William F. Barber and John W. Barber at Skidmore, Mo., rightly referred to as the Villager Shorthorns, holds its annual public sale June 1. The widespread interest which the announcement of the sale attracts is due in a large measure to the comprehensive demonstration of the practical qualities of the Villagers afforded in the Barber herds. Two cattle generations ago selected sons of the famous Villager were started on the job of grafting the practical excellences of the Villagers upon the farm grown feeds of 2,200 of Nodaway county's most productive acres. A little later one of the greatest imported bulls in America was added to furnish the best possible outcross strain for the program of line breeding in contemplation. It is worth a good many years experience now to study the three Barber herds, the program upon which they are being handled and the line of materials now in the hands of the owners for continued improvement. While the sale will be the immediate attraction on June 1, hundreds who attend will get their money's worth in information as well as bargains in high class cattle. Of course the first, and vital thing, in getting the most good from this event is to get the sale catalog. Not only does it give the usual complete information about the cattle to be sold, but thru a study of the herd bulls and the dams' side of the sale cattle's pedigrees one will get a conception of the fact that this season's sales may be the lifetime's opportunity for the small and beginning breeder. Prices cannot be high, yet values are above the high levels of last year. If information other than the catalog is desired it will gladly be furnished. Mention this paper in writing and address F. C. Barber & Sons, Skidmore, Mo.—Advertisement.

A Gain for Western Shorthorns

A sale that can mean a distinct step forward for many Colorado and Kansas Shorthorn herds is the annual auction from the valuable herds of Dr. O. W. Nauman and John Crist of Craig, Mo., and Maitland, Mo. Here are two of the best of the famous colony of Shorthorn herds in northwest Missouri. The selections from the two herds will be sold on the Burlington main line. This is one of the most available points of this section to breeders from Kansas and Colorado. But far more important than the convenient location of this sale is the character of the offering. It is well known that the last few years witnessed a wonderful strengthening of herds in all the better sections. This is especially true of the herds making this sale; they were brought to a standard that is almost the ideal of the owners. Dr. Nauman estimates that his offering this year is more above that of a year ago than the gain of any two years previous to last year. Mr. Crist's product to be sold, includes an array of herd bull material not equaled for quality, numbers considered, in all his previous sales. The two sections, in brood cows, show heifer prospects and young herd bulls, is ideal in its balance for meeting the needs of young breeders of Kansas and Colorado who want to strengthen their herds. A year ago the cost of such cattle would have been prohibitive to many. This year they can be bought where they are probably the soundest investment that can be put on a farm. The catalog should be secured by every reader interested. Address Dr. O. W. Nauman, Craig, Mo., and call on him for any other information required. The advertisement elsewhere gives just a hint as to the excellence of the breeding, but nothing short of the catalog and seeing the cattle, will give an adequate idea. Get the catalog first.—Advertisement.

"The Best, At Your Price"

Not in a decade has the above saying been so true of Shorthorn sales, as this spring, and nowhere this spring will its truth be better illustrated than in the

Annual Shorthorn Sale, Craig, Mo., May 31

of Dr. O. W. Nauman and John Crist, owners of two of the best herds in the rich Shorthorn cattle breeding section of Northwest Missouri. It is of great importance to the men and women of Kansas and Colorado who appreciate the high place of Shorthorns in agriculture, that this sale by prominent responsible breeders, coming at a time when bargain prices are absolutely certain, and at a point only a few miles from the Kansas line, will contain

The Best Cattle They Ever Have Sold

This is a strong statement, but true. Thru years of careful selection, courageous buying and judicious breeding, Dr. Nauman and Mr. Crist have made their herds steadily better. This year's offering therefore, represents the production of both herds at their very best.

Get the catalog and see from the breeding and footnotes how very true this is—production from selected daughters of the greatest bulls of the breed, Avondale, Villager, Radium, and the chief sires of the consigning herds. Moreover these spring from families famous for their production of breeders and winners, families every young breeder has dreamed of putting in his herd. This need not be a dream this year, even to the smallest man in the business; do not let doubt keep you from being where you can take advantage of a real opportunity.

Write Now For the Sale Catalog

It will show, besides the wonderful line of females, a selected lot of young herd bulls, whites, roans and reds of the highest Scotch breeding. Much other information you will want is contained in the book. Mention this paper in writing and address,

DR. O. W. NAUMAN, CRAIG, MISSOURI.

Why the Establishment of the Barber Villager Shorthorns

was one of the most significant compliments to the practicability of the already famous and ultra-fashionable Villager strain, will be made apparent to the hundreds attending the

Annual Public Sale, Skidmore, Mo., June 1

from the three great herds now known thruout the West as constituting the Villager Shorthorns: the herds of F. C. Barber and his sons, John W. and William F.

Visitors to the annual sales of the Barbers see three separate big breeding establishments, occupying a total of 2200 acres of richest Northwest Missouri land (a purebred cattle paradise) the accumulation and the choice of one of the state's most successful firms of feeders and steer men. With an ideal equipment and location for producing beef, the Barbers sought the beef machine which in their judgment excelled all others for capacity and perfection of product. Their decision to surcharge the herds they were building with the blood of the renowned Villager is one of the most significant in the history of present day herds and the fruits of their constructive breeding, to this end entuse every practical stockman who sees them.

Get the Catalog of the Sale

The purpose of this advertising is to help every seeker for Shorthorn improvement to realize the importance of this sale to him, for no cattle will sell very high this season and it is the time to buy the best. The first step is to get the catalog; see the type and pedigrees of the first sons of Villager selected six years ago; see the wonderful imported bull, Monarch (weighing 2600 pounds) selected to furnish an outcross strain; see the development of succeeding generations, carrying second and third infusions of Villager blood and bringing in (thru their dams) all else that is sought after in Shorthorns. It is a lesson and an inspiration. But the first thing is to send for the catalog. It contains (beside complete pedigrees of the sale offering) everything you want to find out about before planning your trip to the sale. Mention this paper when asking for the catalog. It is a pleasure to send it, and answer any questions asked. Address

F. C. Barber & Sons, Skidmore, Mo.

Grow Shorthorn Cattle



With corn, hay, forage and all grains at present prices the only chance for profit is in growing good livestock. Shorthorns will pay best. It is a good time to put in a few registered Shorthorns.

American Shorthorn Breeders' Ass'n,
13 Dexter Park Ave., Chicago, Ill.

Lookabaugh

Shorthorns

Watonga, Oklahoma

Nelson's Shorthorns

I still have a few good Scotch bulls for sale, priced reasonable.
JACOB NELSON, BROUGHTON, KANSAS
Clay County

Six Bulls, Eleven to Sixteen Months Old
Red, white and roans, sired by Lord Bruce 604975, sire, Beaver Creek Sultan 352456 by Sultan 227050, out of IMP. Victoria May V48-406. Dam, Lady Price 111357 by Clipper Czar 311991, out of IMP. Mongolia V47-559, also some choice yearling heifers.
W. F. FERGUSON, WESTMORELAND, KAN.

Important Shorthorn Sale

at farm near

Overland Park, Ks., Friday, May 20

**50 Head of Scotch and Scotch Topped Cattle
42 Females and 8 Young Bulls**

Several cows have calves at foot and bred again to Roan Lord 2nd by Roan Lord by Revolution by Avondale and Secret Pilgrim, a Cruickshank Violet Bud by Secret Sultan, a Bruce Augusta by Hampton Sultan. A number of real Scotch cows will be offered. They are a useful lot of working cattle. Come to Overland Park on Strang Line, interurban car every hour. Send for catalog and come to sale.

A. J. James & Son, Meadowbrook Farm, Lenexa, Kan.

15 Shorthorn Bulls

One-half off in price. Sired by the Futurity Winner Autumn Marshal and out of good cows that raise their own calves: 95% Scotch blood. Foresthome Farms, 40 min. ride N. of Kansas City, on Jefferson highway. BEN WILL THATCHER, Smithville, Mo., Bell Phone

POLLED SHORTHORNS

Big husky bulls. A few females. Forest Sultan, a 5-year-old Scotch bull, is for sale. C. M. Howard, Hammond, Kansas

We Offer 2 Scotch Bulls

One roan, one red, 11 and 17 months old. Write at once for descriptions and prices. S. B. AMCOATS, CLAY CENTER, KANSAS

HILLCREST SHORTHORNS

Some choice Scotch and Scotch topped bulls 12 to 20 months old for sale. Reds and roans by Cedar Dale. Priced to sell. FREMONT LEIDY, LEON, KANSAS.

WORTHINGTON



KEROSENE ENGINES

DEPENDABLE AT ALL TIMES

FARMERS everywhere recognize the superior qualities and dependableness of WORTHINGTON Engines. Whether it is the 1½ H. P. for pumping water, the 10 or 15 H. P. for filling the silo, or any intermediate size, the utmost in reliability and satisfaction is always realized.

WORTHINGTON Engines have a practical place in the farm machinery equipment. If you have never used a WORTHINGTON Engine you can hardly realize the satisfaction, the pleasure and the saving in time and money by their use. The smaller sizes help with the chores and do a lot of jobs around the home—quicker, better and cheaper than they can be done by hand. The larger sizes used for larger belt-driven machines do their work in an unusually satisfactory and highly efficient manner.

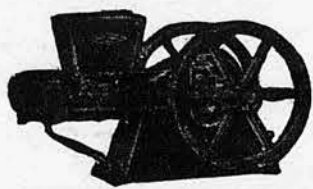
One or more WORTHINGTON Engines can be used to advantage on every farm. They save labor, the price is right, and the cost of operation moderate. Write today for prices, catalog and other valuable information. Send back the coupon.

Please send me prices, catalog and other information about WORTHINGTON Engines. This, it is understood, puts me under no obligation or expense.

Name.....
Address.....
R. F. D.



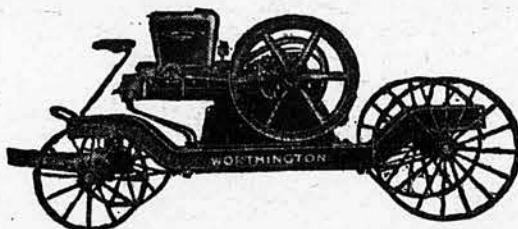
1½ H. P. GASOLINE ENGINE



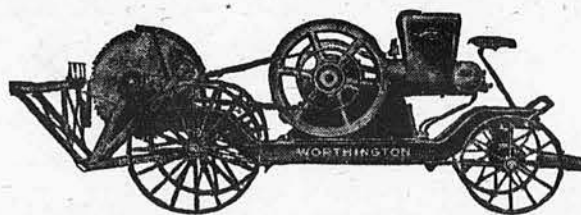
2½ AND 4 H. P. KEROSENE ENGINE



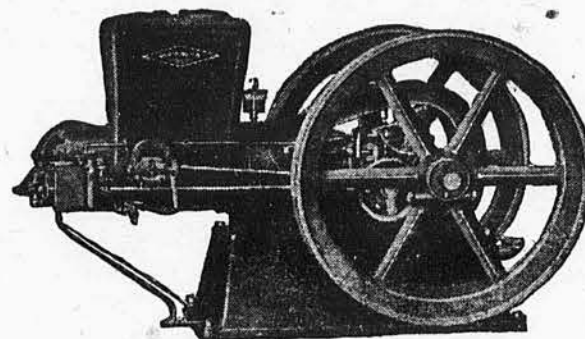
HAND PORTABLES FURNISHED 2½ TO 6 H. P.



TEAM PORTABLES FURNISHED 6 TO 15 H. P.



SAWING OUTFITS FURNISHED 6 TO 10 H. P.



6 AND 8 H. P. KEROSENE ENGINE

The
Engine
of
Quality
and
Dependability

WORTHINGTON Throttling Governor Kerosene Engines

are the last word in engineering design and the highest standard of quality is maintained. Our modern production methods and great capacity enable us to furnish these superior engines to you at a surprisingly low price.

All sizes from 2½ to 25 H. P. are of the Throttling Governor type and operate successfully on common stove kerosene (coal oil) such as used in lamps and lanterns. Webster Oscillating Magnets are regular equipment.

WORTHINGTON PUMP AND MACHINERY CORPORATION

Sales Office
and Factory

CUDAHY, WIS.

Executive Offices: 115 Broadway, New York City

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