

# KANSAS FARMER AND MAIL & BREEZE

Volume 59

March 19, 1921

Number 12

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# Food for Starving Children

Kansas Farmers Have Pledged 100 Carloads of Grain for Use in the Near East Relief Work

ONE hundred carloads of grain have been pledged by the farm associations of Kansas for the relief of the starving children of the Near East. Every elevator in Kansas will act as a receiving station for grain that farmers wish to give, free of charge. After it is loaded it will be shipped by the railroads free, milled free by the mills and hauled free by ships to the Near East children. Every bushel contributed by Kansas farmers will go directly for the relief of children, with no expense. All of the farmers' organizations of Kansas are behind the movement.

### How Donations Will Be Handled

The plan is for every local community, or county, that gets a carload or more of corn or wheat to immediately advise Near East Relief Committee, Room 316, Central National Bank Building, Topeka, Kan., for shipping directions. This information is necessary in order that the state office may give proper credit to the community, and at the same time arrange for its receipt by the mills.

There is absolutely no doubt of the food value of these corn and wheat products when they reach their destination. Investigation on the part of the committee has shown that for a great many years degerminated, kiln-dried corn products, such as hominy and corn meal flour, have been shipped to the Tropics, South Africa, Egypt and other points without complaint of their having been received in anything but first class condition.

This appeal for food stuffs has not been directed alone to the farmers of the Middle West, but to all sections of the United States. Every section is responding liberally. The South is being especially liberal in donations of rice, sugar and cotton.

The Near East Relief Committee has made an arrangement with the Aunt Jemima Mills of St. Joseph, Mo., for all the service of unloading, milling, sacking and reshipping the grain to the port of embarkation, from which points British ships will carry it to the Near East port for delivery there without cost.

For every 100 pounds of corn milled the committee will be able to ship not less than 60 pounds of finished corn meal and 30 pounds of hominy food (by-products). The loss by moisture will be from 8 to 10 per cent.

### Safe Transportation Assured

Corn and wheat when milled will be packed in 10-pound cotton cloth sacks, and 10 of these sacks packed in a burlap container and securely sewed in the same manner that meal and flour is prepared for export. This will insure safe carriage and bring the meal and flour to the Near East stations in clean and attractive packages, with a Kansas label, easy to handle and distribute.

Every car of grain on arrival at the mill will be first inspected in the regular manner followed on commercial shipments. Certificates of these weights and inspections will be given to the State Director of the Near East Relief work, and he will give this information to those persons in every county who send the car.

Corn, upon its arrival at the mill, will go thru a process of sterilization, kiln-drying and degerminating. It will be milled in the regular way and will provide the same quality of high grade meal as this particular mill produces for the regular trade. By this process it will be seen that whatever moisture is in the grain will be taken out so wet grain can be contributed and shipped to the mill.

Every carload of grain sent to the mills will be first inspected and weighed under official supervision in the regular manner followed on commercial shipments. Certificates of these weights and inspections will be supplied by the mills to the State Office, Near East Relief, Room 316, Central National Bank Building, Topeka, Kan., copies of which will be provided by the State Near East Relief Headquarters to all of the co-operating organizations, to the end that every individual contributor may be, at all times, intelligently informed of the exact co-operation extended by his organization. The mills are to attend to all the de-

tails of the billing and reshipping of the finished products, out-bound, the loading and cooping of the cars the same as they would do in the commercial trade. They also may sell at the best market price the hominy or other by-products, reinvesting the amount received in additional grain food products suitable for shipping abroad, it being understood and agreed, by all concerned, that all grain contributed shall go directly to relief of the distress for which it is intended. The expense of the conversion of the grain into food stuffs and transportation to its final destination has been arranged for from other sources.

In connection with the campaign among the farmers, the state committee will continue the work among the people of the cities and towns, asking for cash contributions. Kansas has been asked to supply the funds necessary for the relief of 2,500 orphans, at \$60 a year, and 702 already have been cared for. There are 110,000 orphans in the Near East under the care of the National Commission.

### Iowa Feeders Meet in April

"Iowa Cattle Feeders' Day" will be held at Iowa State college April 11, according to John M. Evvard, who has charge of the work. Tests, some of them covering a two years' period, will be shown which will demonstrate the value of both cane and beet molasses as a beef producer.

Previous results conducted on cattle, comparing the corn belt ration and molasses feeds, showed the fact that it was hard to beat corn, altho last year, when the high-priced corn was used, the molasses feeds made excellent showings. The value of silage in the ration also was shown and will be discussed again at the coming meet. Much interest is being shown among those carrying on the work as to the outcome of this season's feeding.

Cattle fed both kinds of molasses will be shown and gains announced. Since cattle feeding has come to be a very close margin business during the past year, every feeder will be glad to have Mr. Evvard's results.

Also, results on winter feeding of lambs and hogs will be announced and Mr. Evvard will discuss the value of the feeds. Several other speakers will be present, including some representatives of the packing houses, who will explain what they need in fat cattle. This program will be announced later.

### Help With Farm Problems

These Farmers' Bulletins may be obtained free on application to the United States Department of Agriculture, Washington, D. C.

- 428. Hog Houses.
- 474. Use of Paint on the Farm.
- 481. Concrete Construction on Live Stock Farms.
- 513. Construction and Use of Farm Weirs.
- 528. Farm Reservoirs.
- 566. The Use of Windmills in Irrigation in the Semiarid West.
- 941. Water Systems for Farm Homes.
- 946. Care and Repair of Farm Implements: Plows and Harrows.
- 947. Care and Repair of Farm Implements: Mowers, Reapers, and Binders.
- 1004. The Gas Tractor in Eastern Farming.
- 1013. Practical Hints on Running a Gas Engine.
- 1023. Machinery for Cutting Firewood.
- 1035. Farm Tractors in the Dakotas.
- 1036. Care and Repair of Grain Separators.
- 1078. Harvesting and Storing Ice on the Farm.

### Results Thru Co-operation

The tobacco growers in Kentucky were unable to sell the crop of 1920 at a fair price to the ordinary commercial trade. Thru the Kentucky Tobacco Growers' Association these farmers are now selling their product, by advertising in farm papers, to the farmers in other sections. It seems likely that by the help of this organization, which has real pep and financial backing, they will find a way out of the difficulties with which they are confronted. This is an encouraging item in the effort which is being made to sell the agricultural products of one community, thru co-operative efforts, to the farmers of other sections.

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# KANSAS FARMER and MAIL & BREEZE

March 19, 1921

Arthur Capen, Publisher

Vol. 59 No. 12

## Where the Cantaloupes Grow

*Specialized Farming Has Made Excellent Progress at Rocky Ford Under Very Favorable Conditions and to the Great Profit of the Producers*

By Ray Yarnell

**W**AITER, bring me a half a cantaloupe." Sixty-two million, eight hundred and sixty-four thousand, one hundred Americans could give that order at the breakfast-table and the demand would be filled by the annual production of the melon fields of the Rocky Ford, Colorado district. If this production should be consumed at one meal only, 47,135,900 Americans, including many small children, would miss their breakfast cantaloupes.

The melon end of this Nation-wide breakfast would bring to the growers of the cantaloupes a total of \$1,047,735, but it would cost the persons who ate the cantaloupes a great deal more than that.

Five thousand one hundred and seventy-four acres of irrigated land in Otero county in the Arkansas River Valley, are devoted to the growing of cantaloupes. This figure is for 1920. The acreage varies a little every year but 5,000 may be taken as an average. The acre production is about 135 standard crates of 45 melons. For these the producer obtains from 75 cents to \$3 a crate, with an average return of \$1.50 a crate on all the melons marketed.

The annual production is about 31 million cantaloupes exclusive of those grown for seed. It is estimated that 3,645,000 cantaloupes, the production of 600 acres, are used for seed.

Cantaloupes made Rocky Ford famous despite the fact that the melon crop is by no means the most important grown in the district, being far behind alfalfa. Of course the returns from an acre are much higher from melons than from alfalfa but a great deal more work is necessary to produce a crop. The cantaloupe grower must be a specialist in every sense of the word and must work incessantly in his fields during the growing season. Disease or insects can cause him quick and complete loss because his crop is concentrated on a small area. He runs a greater risk than the alfalfa or sugar beet grower but his profits from the same amount of land are far larger if he does obtain a crop.

### Japs Ruin Melon Land

Seventy-five per cent of the cantaloupes produced in the Rocky Ford district are grown by Japs. These energetic brown men are plungers. They pay cash rent for land, usually borrow the money from the banks, and take a long chance. If they get a crop they clean up and the money is shipped out of the country. Then they borrow again for the next crop. If they go broke, according to statements of business men, the banks, not the Japs, lose. County Agent William F. Droege says the Japs care little for the land, growing melons on it until it no longer will produce well and then get another place. He says they do nothing to build up the soil or improve the place on which they live. From an agricultural point of view they are an extremely reactionary element of the population.

George Bevers is one of the best known cantaloupe growers near Rocky Ford. He has made a specialty of his work and has built up from nothing to prosperity. It has taken him 20 years to do it. He has 100 acres of irrigated land and in addition to his cantaloupes raises some wheat, alfalfa and oats. He has five dairy cows.

Twenty-one years ago he worked as a farm hand for William Morrison. He was a good workman, received fair pay and saved some money. Mr. Morrison liked him and when Mr. Bevers desired to rent a farm and strike out for himself, Mr. Morrison took him as a tenant. For 10 years Mr. Bevers

rented. During that time he made his living and saved \$10,000. With it he bought a 160 acre farm, 60 acres being dry land.

Mr. Bevers has been growing cantaloupes for 10 years, averaging between 40 and 50 acres a year. He has practiced rotation of crops and has not worn out his soil. He follows alfalfa with cantaloupes and then puts the ground in oats. In this system of ro-

tion, little will be done in developing the co-operative movement.

Production of cantaloupes for market in the Rocky Ford district is not outstanding but this region has the distinction of producing from 50 to 75 per cent of the cantaloupe seed used by commercial growers in the United States. This seed goes to all the big melon growing districts of the country, including the Imperial Valley in



Picking Cantaloupes. Those Grown in Colorado Have a Better Flavor Than Those Produced in the Eastern and Southern States and Sell Better.

tation he occasionally runs in some corn and some beans. He does not grow sugar beets.

The cantaloupe acreage on his place is double the average in the district, the usual field being about 20 acres. Because of its improvements and the increase in value generally, it is estimated that this farm owned by Mr. Bevers today is worth about \$300 an acre, or \$48,000.

Practically all Rocky Ford cantaloupes are grown on contract, the farmer being guaranteed a certain amount a crate. He signs up for a definite acreage. Mr. Bevers, however, has a different sort of contract. He has a guarantee of \$125 an acre for his production, whether the crop is large or small. This year he received \$5,000 for his crop and he estimated that it cost him \$600 to produce it, estimating seed and labor of planting, cultivating and harvesting.

Attempts at co-operative marketing of the cantaloupe crop have not proved very successful, probably due, it is said, to the fact that so many Japs are engaged in the business. A few growers have formed a small association, have sought and found a market for their limited production and ship their own melons profitably. But it is believed that as long as Japs dominate the cantaloupe industry in this sec-

California, and also Arkansas, Arizona and the Rocky Ford district of Colorado.

The story of cantaloupe seed is the story of the Ryan brothers. For 15 years they have been breeding up cantaloupes, striving to obtain a melon that combined all the qualities that could be desired. And in that period they have greatly improved the Netted Gem, the original Rocky Ford melon.

The Netted Gem was a melon of good flavor but it was a poor shipper and its meat was green. The public seemed to prefer a salmon tinted meat and the retailer and wholesaler demanded a melon that would withstand long hauls. The Netted Gem also had a large seed cavity which was undesirable. So the Ryan brothers and other seed growers began the task of breeding up a melon which would conform with the public demand. They also sought to close up the seed cavity, giving more meat.

The Ryans, Clem V. Ryan and James B. Ryan, associated with Philo K. Blum, formed the Rocky Ford Cantaloupe Seed Breeders' association and made a start. Seed was obtained from the most promising field, several hundred of the best melons being chosen. The seed was planted in plats and by selection the best melons from every plat were obtained. In 1900 a plat was discovered which showed

unusual merit. These melons possessed many of the qualities sought but the seed was tested a second year before it was put out. The melon was called Salmon Tint Pollock No. 25.

Not satisfied, the Ryans continued their efforts. From 500 to 1,000 melons were selected every year, the seed to be planted in test plats. No improvement was noticeable until the season of 1916. Five years' labor had produced not a single apparent result. Then another plat was discovered that ran absolutely true, the melons possessing all the qualities sought. This seed was replanted and the results obtained in 1917 were exceptionally fine. Not until 1919 was this seed put on the market. This new melon was called the Salmon Tint Pollock No. 10-25, known in the trade now as the "Ten-Twenty-Five." The breeders claim this melon will add 20 per cent increase to every acre on which it is grown.

Other types of cantaloupes have been developed in the Rocky Ford district by other seed breeders, among them Edward's Perfection and Abbott's Pearl. The Ryan brothers grow an average of 230 acres of cantaloupes a year for seed. No melons are marketed. This year's seed crop amounted to 54,000 pounds. It is worth close to \$2 a pound, the total value being approximately \$100,000. This represents from 50 to 75 per cent of the seed used by commercial growers in the United States. James B. Ryan said he had several thousand pounds of seed in his barn which was several years old. It is of a variety that he no longer grows and less desirable than the "Ten-Twenty-Five" and Ryan refuses to sell it for seed. He says he prefers to take a loss of several thousand dollars rather than to sell seed of an inferior variety. He hopes to dispose of it as chicken feed.

### Develops Many Valuable Vegetables

Experimental work continues on the Ryan place. Hanging from the rafters in the seed house are 2,000 packets of seed, every one filled with seed from a specially selected melon of superior type. This seed will be planted in plats next year with the idea of breeding up a still better type of cantaloupe. Mr. Ryan is also interested in cucumbers. This year he harvested 7,000 pounds of cucumber seed. In it he found a dozen red seeds. He did not see the cucumbers from which these red seeds came but he believes they must have contained red meat. So Ryan will plant his dozen red seeds this year in a separate plat and he will watch the result with interest, hoping that the product will be the basis of a new variety of cucumber.

The story of a new type of tomato and of how it was wiped out of existence is told by Mr. Ryan. He had been growing tomatoes on a small scale attempting to improve a variety. The seed was sown in plats. On one of these plats he found several tomato plants on which the fruit grew in clusters, like grapes. The tomatoes were uniform in size and were of apparent good quality. Carefully this group of plants was staked out.

Ryan gave explicit directions that during harvest the tomatoes on these plants should not be gathered with the others. His men carefully observed these instructions. They did not gather the cluster tomatoes with the others. But when Ryan got to the plat to examine his pets, he found his workmen eating the last of them. The precious seed he so desired was gone. Ryan said he felt like whipping the whole bunch. Since then he has not seen another cluster tomato.

Ryan rents most of the land on (Continued on Page 6.)



Harvesting Alfalfa for Seed; This Legume is Used Extensively in Rotations on the Farms Along the River in Otero County.



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# Passing Comment—By T. A. McNeal

WITH some care I have read the report of the committee headed by Ex-Senator Burton of Salina, sent to North Dakota to investigate the workings of the Nonpartisan League. The report is long and on the whole quite favorable to the League. The opponents of the Nonpartisan League charge that the committee went to North Dakota with the intention of bringing back a report favorable to the organization and that during its investigations did not undertake to get information or opinions from those opposed to the Nonpartisan League. Part at least of this charge seems to me to be unwarranted. The report shows that as many persons were interviewed who were opposed to the organization as were in favor of it. Whether the members of the committee went to North Dakota with a bias in favor of the Nonpartisan League I cannot say, but rather suspect that such was the case.

On the charge that the Nonpartisan League has been extravagant and wasteful in the management of the affairs of the state of North Dakota, the report is neither full nor satisfactory. It simply dismisses the charges on this line by saying that they are on a par with charges made by the Republicans against the Democrats or by the Democrats against the Republicans. Now the fact is that very many of the charges of extravagance and waste made by Republicans and Democrats against one another have been well founded and if the manner of administering the affairs of state by the Nonpartisan League is no more efficient and economical than the old party management it has little to commend it. What the readers of the report wish to know, but which they do not find out by reading it is this: Has the Nonpartisan League management of affairs in North Dakota been efficient and economical or has it been just the reverse? Another important matter to which the report gives a good deal of space is the state bank established by the Nonpartisan League. Here again it is not very satisfying in that it does not answer at all certain specific charges made by the opponents of the League. It is charged for example, that the holders of state warrants covering losses from hail have not been able to get their money because it is tied up in the state bank and they cannot get it out. That is a rather serious charge if true. The report of the committee does not clear it up.

There is a curious political situation in North Dakota. While nominally the governor and other Nonpartisan League state officials are Republicans the League, according to this report, has formed a distinct political party and the opposition to it has also formed a new political organization known as the "No Party" or "Independent Party." The fight, however, is a square-toed contest between the Nonpartisan League and those opposed to it. The final result of that fight is still in doubt.

In the meantime, I am not worrying about the Nonpartisan League. It finally will stand or fall on its record in the state in which it originated. The farmers of Kansas are as a rule, conservative and not disposed to throw their money away. Great numbers of them are going to join this organization hastily and without investigation. Every opportunity ought to be given to make that investigation dispassionately and fairly.

## The European Situation

THE ARMIES of France and Great Britain have invaded Germany to enforce the allied mandate in regard to indemnities. So far Germany has made no further move toward complying with the demand. What will be the result? That will depend on whether Germany is in as bad financial condition as the German representatives declare, or whether they are in as good condition as the allies seem to think.

I have no doubt the Germans exaggerate their poverty in order to get more favorable terms, but on the other hand I have no doubt that the economic situation there is very bad. That is true of almost every country in Europe. I do not believe that it will be possible for the allies to collect the amount of indemnity demanded and if they cannot, then the invasion of Germany will only aggravate the troubles of Europe and the world.

The sooner the leaders of Europe and the world recognize what seems to be a rather patent fact, that it is impossible to carry the load of debt incurred on account of the Great War and that it is impossible to collect from Germany the amount of damages it has caused, the better it will be for

Europe and the world. It is not a question of what Germany deserves. We may admit the full heinousness of its offense and say that all the wealth of the world, if it were at Germany's command, would not be sufficient recompense for her crime against mankind. The question now is how can peace and prosperity be restored? I believe that it could best be restored by a general agreement to wipe out all the war debts, disband all the armies and navies except so much of a military force as is necessary for police protection and an agreement to resume friendly trade relations all around. That is, perhaps, too much to expect at this time.

If it cannot be agreed to wipe out the war debts as a whole, then scale them down to what the people of the war wrecked nations reasonably can be expected to carry. I am of the opinion that the course pursued toward Germany is a great, possibly a fatal mistake. I do not think it will inure to the advantage even of France. I think it means a continuation of financial chaos and strife and bitterness in Europe and consequently a retarding of readjustment and renewed prosperity everywhere. But then I am not a statesman; if I were I would probably go right along insisting on trying to do the impossible.

## The Farmer and Consumer

SOME time ago I wrote an editorial suggesting that in my opinion the ultimate remedy for the ills of which farmers complain would be found in co-operative corporations which would not only produce the raw material but which would manufacture it into the finished product where it was produced.

To this Swift & Company took exception and wrote me quoting my statement on which they made the following comment:

"This statement would seem to imply that control of the markets is not to be condemned if such control were possessed by the farmers. Furthermore, it either leaves out of consideration the consumer or it implies that the service now supplied by the packers can be more economically rendered by the producers."

"The efficiency and economy in present-day slaughtering and meat packing methods are not sufficiently understood by the general public. It is not necessary to accept the assertions of any packer on this point, the United States Census of Manufacture presents the facts in proof. These figures show a comparison of the slaughtering and meat packing industry with total food products and with all industries."

And now comes W. O. Fletcher, secretary and manager of the Loveland, Colorado, Fruit Growers' association, who, referring to the little argument between Swift & Company and myself, writes me the following:

"There are other interests in addition to the farmer and the packing companies suggested by your controversy with Swift and Company and your defense of the Farmers' co-operations."

"Without taking sides with either the packer or the farmer, the consumer wishes to know where he is to come out 'at' if the farmer packs and sells to the consumer or sells his wheat and other products directly and not thru the middleman."

"Will the consumer get his food any cheaper by a direct sale? If not how is the position of the farmer different from the profiteer? Or suppose we substitute for farmer or packer the word producer? Any or all of these classes are out to get all they can regardless of whether the value is intrinsic or not."

"This leads to the questions: 'What is value considering what an article can be sold for? What do we mean by the law of supply and demand? Does it mean taking advantage of the other man's necessities or misfortune? Or does it mean dividing on a fifty-fifty basis?'"

"Then who is free from getting the best price for his product and seeking to buy at the lowest price the product that he does not produce? I notice that the person who grows at the shrinkage in price of his sales of wheat and stock is the worst kicker in paying an advance in price on what he has to buy. There are two classes of persons in the world—the producer and the consumer. The consumer class is much the largest as it is composed of all of the people."

"The only time the producer is willing to deal on a fifty-fifty basis is when he assumes the role

of the consumer. In a word he should not like to see the United States on the same commercial basis that the country showed 50 years ago, when there were no combinations, no established price of any commodity, no knowledge of the wants or needs of sections farther than the immediate limit of imperfect communication.

"The present has many weaknesses and some opportunity for abuse of information, besides the simplicity of living that existed then which was based upon the needs, is now based upon the interpretation of needs into wants or desires which have developed into luxuries and the high cost of living."

"In short the other fellow is perhaps no worse than self. When we get back to the Golden Rule there will be less profiteering, fewer strikes, and fewer co-operative schemes to get ahead of the other fellow. I am aware that moralizing is 'tabooed' in business and also know that abandoning the moral side of life is one of the causes of economic unrest both of individuals and Nations."

However, if the argument advanced by Mr. Fletcher is correct, the consumer would have a better show under the plan I suggested than at present, for two reasons. First, by manufacturing the raw product into the finished product where it is produced, assuming of course that the manufacturing is done efficiently and as economically as possible, the farmer corporation could afford to sell the finished product at a less price than it is sold for now. Take the hogs, and cattle for example. At present they are shipped, many of them hundreds of miles to market. They suffer the shrinkage incident to shipment, the cost of freight, yardage and commission and then go into the hands of the packer. While in the hands of the packer the process of turning the raw product into the finished product probably is done as efficiently and economically as possible. The packer takes his profit, some exact an exorbitant profit, but let us for the sake of the argument admit that he does not. The meat is then kept in cold storage at a considerable expense and then shipped, in many cases, long distances to the retailer possibly, or maybe to the wholesaler, but in either event before it reaches the consumer there is added to the price received by the producer the original cost of shipment, yardage, the cost of killing and dressing, the cost of reshipment to the retailer and the profit he adds for his handling of the same.

These intermediate profits and cost of shipment both ways or at any rate one way, would be eliminated under the plan I have suggested. In the second place the plan I have suggested would mean that there would be a great number of manufacturing plants instead of a very few and those few with an understanding that they will not cut prices or compete in a way that will inure to the advantage of the consumer.

Competition which does not reduce prices does not benefit the consumer unless possibly it gives him better service. In fact the keener the competition for business the greater the cost to business concerns, and unless there is competition in prices the cost of getting the business is added to the cost to the consumer. In case, however, there were 2,000 or 3,000 of these co-operative corporations scattered about over the United States, there would be no chance for a monopoly such as is charged against the packers' trust.

## President Harding's Inaugural

THERE is one part of the inaugural address delivered March 4 from which I desire to quote the following:

"We shall give no people just cause to make war upon us. We hold no National prejudices, we entertain no spirit of revenge, we do not hate, we do not covet, we dream of no conquest, nor boast of armed prowess."

"If, despite this attitude, war is again forced upon us, I earnestly hope a way may be found which will unify our individual and collective strength and consecrate all America, materially and spiritually, body and soul, to National defense. I can vision the ideal republic where every man and woman is called under the flag for assignment to duty, for whatever service, military or civic, the individual is best fitted, where we may call to universal service every plant, agency or facility, all in the sublime sacrifice for country, and not one penny of war profit shall inure to the benefit of private individual, corporation or combination."



but all above the normal shall flow into the defense chest of the Nation. There is something inherently wrong, something out of accord with the ideals of representative democracy when one portion of our citizenship turns its activity to private gain amid defensive war, while another is fighting, sacrificing or dying for National preservation.

"Out of such universal service will come a new unity of spirit and purpose, a new confidence and consecration, which would make our defense impregnable, our triumph assured. Then we should have little or no disorganization of our economic, industrial and commercial systems at home, no staggering war debts, no swollen fortunes to flout the sacrifices of our soldiers, no excuse for sedition, no pitiable slackerism, no outrages of treason. Envy and jealousy would have no soil for their menacing development and revolution would be without the passion which engenders it."

If that principle had been put into operation during the Great World War and carried out in good faith it would have saved the taxpayers of this country 15 billion dollars in the cost of the war. Men and women would have been drafted into the service of the Government in all things necessary to carry on the Great World War on exactly the same terms so far as compensation and discipline to command are concerned as the men who were drafted to fight.

Food and materials also would have been commandeered and taken over at the prices then prevailing or even less. There would have been no inflation of prices permitted and no profiteering. The wealth of the country would have been called for to pay the bills as they accrued. When the Great World War ended the bills would have been paid and there would have been no bonded debt left hanging over the country. As there would have been no inflation there would have been no need for deflation. The boys coming back from their service in France would not have been exasperated by finding that those who remained at home had been enjoying unprecedented prosperity as a result of the sacrifices of the men on the battle front. There would have been no war-made millionaires; no excess profits, no need of the raising of large revenues after the war to pay for exorbitant costs during the war.

As President Harding says there would have been "little or no disorganization of our economic, industrial and commercial systems at home, no staggering war debts, no swollen fortunes to flout the sacrifices of our soldiers, no excuse for sedition, no pitiable slackerism, no outrages of treason, envy and jealousy would have no soil for menacing development and revolution would be without the passion which engenders it."

Wars never have been waged on that principle, but in a government of the people they should insist that no war shall be waged on any other principle. If that principle were made world-wide my opinion is that it would end war forever.

### Packers to Have a Strike

**B**EFORE this is printed I presume there will either be a compromise or a strike among the employes of the packing houses. The employes assert that the packers are really forcing the strike in order that they may reap a financial advantage. They have large stocks of meats on hand. By forcing a strike they shut off production and raise the price of meats. At the same time the laborers are deprived of employment and probably must go back at a very considerable reduced wage. In this way the packers will reap two profits, one on the increased price of meats and another from the reduction in wages. This is the statement of the employes.

The packers deny that they have done anything to bring on a strike or that they desire it. Whatever the real truth may be the impression will remain that the packers were in fact responsible. This it seems to me provides a strong argument in favor of the organization of co-operative corporations farming communities which will have their own packing plants and other manufacturing concerns. They never will be accused of trying to organize strikes for selfish purposes.

Even supposing that the charges made against the packers in the present case are unfounded they necessarily engender bitterness and therefore do a great deal of harm. It is not well for the country that so great power over the production of an essential food product should be vested in a few men, and in the long run it is not well for the men themselves. There certainly can be very little satisfaction in possessing great power or great wealth if as a result the possessor must incur the continual suspicion and hatred of the majority of his fellow men.

### Summary Justice

**S**PEAKING of summary justice, back in the early seventies when the Union Pacific railroad was being built to the coast, the town of Wallace, Kan., was a frontier railroad town of considerable importance. Numerous train crews stopped there and saloons were plentiful. One of the engineers and his fireman bunked together in the only hotel in the town. There was no social line drawn between the two but on account of his higher rate of pay the engineer indulged in the luxury of fine boots costing \$18 a pair. A tramp brakeman happened to come along and noticing the engineer's boots coveted them. So while the engineer and the fireman slumbered peacefully the tramp brakeman got into their room, rifled the

pockets of both of what change they had in their pockets and helped himself to the fine footwear of the engineer, leaving a pair of somewhat worn and also cheap boots in their stead. Whether he left the old boots as a sort of joke on the engineer or thru carelessness is not certain, but they were his undoing. When the engineer discovered his loss he first filled the surrounding atmosphere with warm profanity and then hunted up the only officer of the law there was in the vicinity, a deputy sheriff, who at once instituted a search. He found where the tramp brakeman had bought himself a cheap pair of boots which proved afterward to be the ones he left in exchange for those he stole from the engineer. This fastened the guilt pretty clearly on the brakeman, who was finally located with the engineer's boots still in his possession. The deputy sheriff arrested him, but it was a long way to any regular jail and a lot of trouble to have a regular complaint filed in the county to which Wallace was attached for judicial purposes. The deputy could see no sense whatever in wasting all that time and trouble and expense when the man's guilt was entirely evident, so he constituted himself into a court of first and last resort and addressed the prisoner:

"You ———, you stole them boots. You are a no account loafer and dead beat and there ain't no use wastin' time or legal process on you."

Whereupon the deputy sheriff, who was a large and husky man and handy with his fists smashed the offender ~~one~~ on the jaw, which laid him out on the floor. When he got to his feet the deputy landed another, this time on his nose and the thief measured his length on the floor again. This was repeated a couple more times, when the self-constituted court said, "This is all for the present, but it is the judgment of the court that you be given 15 minutes to get out of town with the understanding that if you ever show up here again we will hang you. Now git." And the offender vanished. The impromptu judgment of the court was generally approved by the bystanders, and as the officer, engineer, fireman and other thirsty citizens repaired to the saloon to irrigate, the discomfited and badly battered thief was hitting the ties toward the setting sun.

### Questions and Answers

**R**EADERS of the Kansas Farmer and Mail and Breeze who desire to have legal advice or who wish to make inquiries on general matters may receive whatever service we can render in this way free of charge, but the limited size of our paper at present will not make it possible to publish all of the replies.

What is the law in regard to city authorities or draymen dumping all kinds of rubbish and trash along the public highway by a man's farm? What is the penalty and to whom should I report them? I reported to the county attorney and he said there was no law to stop them. J. C. M.

Unless the dumping of this rubbish and trash along the public highway is a menace to the public health, it is not a violation of law. If you can show that it is a menace to the public health, then it can be abated as a nuisance, and it would be the duty of the county attorney to bring abatement proceedings.

A is a teacher, and she is a little more than 18 years old. B is a book agent who came to the school house at the morning recess and detained A until noon, and overpersuaded her to take a set of books and give her note for them. A countermanded the order soon enough so that the company received the countermand before the books were shipped. The company did not accept the countermand and shipped the books by parcel post. A returned the books and the company has now put the case into the hands of a collecting agency. Can they collect for the books?

A is the daughter of a widow. Would her making a contract for the school and signing the contract herself make her personally liable? B. W.

I think the young lady qualified as a business woman to the extent of making contracts for herself, and that she could be held liable on her contract, so far as her age is concerned. The only question about which there is doubt in this case, in my mind, is whether she relieved herself of her obligations by countermanding her order. While I am not at all certain that she has a legal defense, I would advise her to simply stand pat, and let the collection agency do its worst. The probability is that nothing will come of it except letters of annoyance.

Is there a law in Kansas which stipulates that a renter must sell and give the owner the money for as many bushels of grain as the threshing machine registers for his share? When we sold our wheat at the elevator it fell short about 300 bushels of the machine measurement. Now the owner says we must pay him for the one-third or 100 bushels which is his share of the shortage. I would like to know whether that is correct. S. K. F.

No, unless there was a contract to that effect. Of course, if the renter made a contract with the landlord that the amount of grain should be determined by the machine measurement, he might be held to this contract, unless he could show that the machine measurement was wrong. The burden of proof would be on him to show this, but if he could show this the landlord could not collect for grain which was not grown.

Can we cut a man's telephone off the main line if he refuses to pay the switching fees and repairs on the line? Our telephone company is not incorporated. It is owned by 22 persons. Every one owns an equal share. A. W. F.

If this subscriber refuses to pay his proportionate share of the expense, the other members of this company can refuse to give him the service.

## The Nation Now Has a New Broom

**T**HE NATION has its new broom, the White House a new President and the Republican party has taken one of the greatest dares in history.

President Harding and his Administration face a score of staggering questions for which the right answer must be found. There is just one place to find it, one solvent, one key—united, earnest, devoted, single-minded, true-hearted, undeviating service to the citizens of this country.

Our citizens are dissatisfied—unhappy and restless. They are growing more and more impatient of time-serving; more suspicious and cynical toward their public men. They desire to have things done and to have them done in the right way. They long for Lincoln's "government of the people." They demand government worthy of the name of government and they are out to get it. That is what the November landslide meant. There was nothing secret, nor mysterious about that verdict.

Thousands and thousands of Democrats voted for Harding and the Republican ticket. For weeks before election they openly boasted they were going to do this. The big landslide November 2 proved they did what they said they would do.

Eight years before there was almost such another political landslide at which thousands and thousands of Republicans must have voted for a Democratic Administration.

The now defeated and down-and-out Democratic party made so poor a score that it was completely discredited, and it did some big things, too. The Republican party now has its innings. If it doesn't show unmistakable signs of making good during the next four years, there will come another reversal and with it possibly the division of the death of one or the other of the old parties. But our citizens would far rather use the brains and experience of the party they have just voted into power.

We must have a new baptism of political integrity and public service, based as Lincoln phrased it on "firmness in the right, as God gives us to see the right, to do all which may achieve and cherish a just and lasting peace among ourselves, and with all nations."

"If we are effective in solving our problems at home we shall be the better able to help solve those of the world as befits our part in modern civilization," said President Harding in his speech at New Orleans. As a felicitous summing up of the whole situation in few words this is hard to beat. It is good, plain American common sense.

Sooner than would have happened, but for the war, we have reached the stage of our development when there must be a complete readjustment of our economic system. Our great and long-suffering industry, agriculture, first in peace or war, is shot to pieces, the prey of a Lilliputian army of toll-takers, profit-mongers, shark speculators and market gamblers. In the cities business is stagnant; credit is everywhere paralyzed; we have the costliest, most inefficient marketing system outside of China; freight rates are virtually prohibitive; we are swamped with public debt; high taxes and constantly rising taxes, "war," special and sundry, township, county, state and Nation, grievously burden all of us. Apparently there is no health in us.

We must set our War Finance Corporation to functioning. We must establish trade relations with foreign countries to make it possible for Europe to buy our surplus products, while we continue to take in large measure all we need of hers. But we must end the wasteful if not evil practice of importing foreign food products to this, the greatest food-producing country, in direct competition with our own food products to the injury of our farmers and the further demoralization of our home markets, by restoring the tariff on farm products.

We must broaden and strengthen our Federal Farm Loan System to afford farmers the short and long-time credit accommodations their business demands. They must have a ready means of making loans on warehoused or farm-stored products.

We must free our markets from the swarm of manipulators and gamblers in farm products. We must clearly establish the farmer's right to market his products co-operatively.

We must regulate the packers; protect the public from shoddy goods and so save our sheep and woolen industry; strip waste, extravagance, incompetence and partisan favoritism from the public service; put an end to the bankrupting business of war if we can, and bring in the era of the square deal to bless and harmonize us at home.

It's a big contract, almost an appalling job. And with it the Nation needs an early restoration of public confidence as badly as it needs anything. This only can be gained by united, efficient public service from the party which gave this country a Lincoln in its other hour of crisis and need.

I believe President Harding will in good time accomplish this monumental task. It is going to take time and will call for considerable patience. I shall back him to the limit in all he does or tries to do for the whole Nation, for I am sure it is his purpose to serve its citizens faithfully.

*Arthur Capper*  
Washington, D. C.



## State Farm Bureau Items

### Contributed by County Agents

**S**OMETIME ago J. H. McAdams, Coffey county agent, scheduled a meeting to be held in a township 25 miles from Burlington. The roads were rough enough at the best, but when Mr. McAdams turned off into a by-road he traveled with difficulty and in a short distance his car got stuck in the mud five times. The last time he and Ben Preston, a Farm Bureau booster who went with him, found it impossible to get the car out of the mud and set out to walk the remaining 2 miles to the meeting. It was almost 10 o'clock when they arrived, having started at 6:30 o'clock. However, they found 25 farmers at the place waiting for them when they arrived there. These farmers had learned that when Mr. McAdams said he would make an appointment he would keep it. From 10 o'clock until after midnight the men talked about Farm Bureau work. When the meeting broke up a group of the farmers walked the 2 miles and helped lift the car out of the mud.

#### County Agent a Busy Man

The county agent is a busy man if one may judge from the schedule of C. A. Patterson, the Wyandotte county agent. Mr. Patterson has 17 meetings scheduled for the first two weeks in March. Among these meetings are demonstrations on treating seed potatoes for the control of disease, a meeting of farmers to discuss ways and means of putting a railroad into operation, meetings to organize communities and select purchasing committees, pruning demonstrations, a rat control demonstration, and a gopher control demonstration. Two meetings a day will be held on four different days.

#### Horse Sale for Jewell Farmers

An auction sale of horses is being planned by W. W. Houghton, Jewell county agent. Mr. Houghton says that since feed is cheap it would be well to get some of the horses into good condition and to get them together in large enough numbers to hold an auction sale that would attract outside buyers. He is asking all Jewell county farmers having horses for sale who would like to sell this way, to drop him a card letting him know about it. Mr. Houghton believes that two such sales could be held this spring.

#### Orchard Work in Shawnee

Some of the worth while work that is being done in Shawnee county is shown by a letter written by R. M. Lemons, giving his experiences with a sick orchard: "I will give my experience," says Mr. Lemons, "with the Gilmore orchard, 6 miles northeast of Topeka, 5 acres of Ben Davis and York Imperial. In 1912 Mr. Gilmore, the owner, sold \$6,000 worth of apples besides the cider stuff which about paid for picking, then the orchard was left to care for itself until 1917. During this time the army worms and other insects had just about got it. At this time it became the property of a Topeka bank and they employed me to prune and spray it.

"I pruned it and sprayed it once in 1918. The Ben Davis trees were so nearly gone that I cut them out and sprayed the Yorks twice and got a few apples along the edge. I bought it in 1919, pruned it again and sprayed four times under the instructions of the county agricultural agent, and harvested \$1,500 worth of apples this year. I will have to give a good share of credit to the agent for instructions; he will superintend the spraying next year. My orchard looks as if it will do better next year. There are hundreds of orchards that could have been saved, but they are now ready for the stump pullers."

#### Interesting Short Courses

Jackson county had three short courses in agriculture and home economics the week of March 7, according to E. H. Leker, county agent. These courses were held in Netawaka, Larkinsburg, and Delia. The Netawaka short course was held Monday and Tuesday; the Larkinsburg course Wednesday, with afternoon and evening programs; and the Delia course Thursday and Friday. It also had afternoon and evening sessions, and a community fair was held in connection with it. The fair was in charge of Elmer Dressler, teacher of agriculture at the Washington township high school. J. J. Bales, crop production specialist; Ellis

A. Stokdyk, plant disease specialist; Harry E. Reed, specialist in horse production; and Mrs. Mary McFarlane, director of home economics, all of the extension division of Kansas State Agricultural college, will speak at these short courses.

#### Culling Boarder Hens Profitable

Carl Carlson, Rush county agent, during the first 10 months he was in the county, culled, personally, 119 flocks of hens. The flocks averaged 185. Mr. Carlson culled out of these flocks about 6,000 non-laying hens. Mr. Carlson estimates that he saved the county between \$3,000 and \$6,000 in this project alone. The farmers agree that it takes nearly \$1 worth of feed to keep a hen a year. In addition, Farm Bureau officers believe that the Farm Bureau in the same length of time saved the farmers \$3,000 in buying grasshopper poison. The amount bought cost \$5,000. It would have cost more than \$8,000 had it been necessary for every man to buy his poison individually. In addition, the Farm Bureau estimates that the wheat saved by controlling the hoppers was worth nearly \$100,000. One Rush county farmer says that poisoning the hoppers saved him \$2,000. Five hundred farmers scattered the poison.

#### Hot Lunches for Pupils

Miss Laura Eckert, public health nurse, has been visiting the rural schools in Clay county and weighing and measuring the pupils. She has found that pupils in many of the 40 schools she already has visited are about normal in height and weight. However, in many other schools she is finding a large percentage of the children under weight. As a result of her investigations, many of the teachers are planning to have hot lunches for the pupils during the winter months. In many of the schools the parents meet her at the school and are very much interested in seeing the children weighed and measured.

#### Chickens Have Typhoid Fever

According to E. L. Garrett, Comanche county agent, many cases of typhoid have been found among the chickens in that county. This disease, he says, is highly contagious and he is urging all farmers to take immediate steps to control it when it is found in the flock. He recommends that poultry raisers who find something wrong with birds in their flock use 1/2 pound of Epsom salts for every 100 chickens. This, he says, should be fed mixed with mash. It is also advisable, he says, to use potassium permanganate in the drinking water. However, he states, no metal drinking utensils should be used in giving this to the fowls.

#### To Promote Civic Improvement

The people of the Preston community, in Pratt county, have turned out of the beaten path and are working for the improvement of the county and town, according to V. S. Crippen, county agent. They hold regular bi-weekly meetings, where subjects of interest to the entire community are discussed. They have elected Ralph Cully as president; G. W. Earle, vice-president, and chairman, of the program committee; R. J. Cooper, second vice-president and chairman of the economics committee;

Mrs. L. C. Moosier, third vice-president, chairman of the social committee; secretary, Mrs. D. W. Milton; treasurer, Mrs. I. W. Benton. They have discussed the subjects of rural consolidation; entertained the teachers' association; studied the need of vocational agricultural teaching. Thru the efforts of the community and faculty their high school has been put in the Class A, along with Pratt. Their next big effort is a community poultry show, where nearly 500 birds will be shown. The poultry judging will be done by N. L. Harris, poultry specialist from the Kansas State Agricultural college.

#### Baby Beef Contests for Douglas

An effort is being made by R. O. Smith, Douglas county agent, to get some of the boys and girls in that county to enter in a baby beef contest at the Kansas Free Fair in Topeka next fall. In the Douglas County Farm Bureau news, Mr. Smith publishes a letter from Dr. C. W. McCampbell, of Kansas State Agricultural college, stating that 12 prizes, ranging from \$50 down to \$10, will be offered to the boys and girls under 18 years old, who show calves at this fair. An auction of baby beefs will be held on Friday of fair week, and Doctor McCampbell says that those who wish to sell their animals at this time may do so without cost. Doctor McCampbell is trying to get every county to send 10 representatives to the fair to show in the baby beef classes.

#### Farmers Study Livestock Shipping

A livestock shipping association short course was held at the Livestock Exchange building and stockyards at Kansas City, March 1 and 2. The course was for co-operative managers, county agents, Farm Bureau officers, and others interested in co-operative marketing of livestock. The short course was conducted by five organizations co-operating. These organizations were Kansas State Farm Bureau, Missouri Farm Bureau Federation, the University of Missouri, Kansas State Agricultural college, and the Meats Division of the United States Bureau of Markets. The instructors were representatives of commission firms, packer buyers, and state and Federal marketing men. The local shippers were permitted the first day to see how livestock was handled in the yards, to see it sold, and the next day to see the same animals in the coolers.

#### Kafir Makes Cheap Feed

BY C. E. MCCLURE

Cheap as hogs seem to be compared to war prices, they are not yet as cheap as the kafirs. It is likely that all thru the year the kafir crops that are marketed in the shape of pork will bring more money than they would if sold on the grain market.

Feeding the kafirs is nearly always more profitable than selling them as a cash crop. This year with the price away below the cost of production, feeding them is the only chance to make a profit from them. Feeding the grain to hogs reduces the tonnage to be hauled to market. The farther the market is away the more this item will amount to. In some Western Oklahoma communities, far removed from the

railroad, it is today worth more than half the price of the kafirs to freight them to market. The freight on a hog is only a small per cent of its value.

Unfortunately many farmers with a big kafir crop on hands have only a few hogs to feed it to. There is nothing unusual about this. Generally about the time farmers get well stocked up on hogs, along come a few dry years and they have to cut their hog supply down to bedrock. Then there is a bumper crop or two of cheap grain, without enough hogs to feed it to.

Planting a crop in the spring and trying to raise enough hogs to eat what you think you are going to raise is risky business. Estimating in advance what the grain yield will be for any season is the wildest kind of guess work. A safer plan is to raise the hogs to eat the crop. Grain can be held in the bin until hogs are raised to eat it. But hogs cannot be held over until another crop is raised, unless there is something to feed them on in the meantime, and it is scarcely profitable to hold hogs that long without feeding them out and getting them on the market.

The present lack of enough hogs on the farms to consume the kafir crop can be remedied to a certain extent by breeding all the available sows and gilts of good quality that have not already been bred. Sows that farrow in May can be fattened out for the fall market as soon as the pigs are weaned. And the pigs can be put on the market next winter or in the spring. With plenty of grain on hands the pigs can be pushed to the limit.

This will make the farmer wait a good long time before cashing in on his kafir crop, but it is likely to be profitable enough to pay good interest. The kafir crop at present prices will not buy much, or go very far in paying debts.

The kafirs can be fed in the head. Growing pigs especially will clean up headed grain without much waste. However, hogs will do better on the kafirs if they are threshed and ground.

#### To Aid in Grain Marketing

A short course in grain marketing will be given by the Kansas State Agricultural college beginning March 21 and the course will continue 10 days. Instruction in grain elevator bookkeeping also will be supplied in connection with this. The laboratory fees will be \$10. An outline of the grain marketing course follows:

1. Methods of Marketing: Direct, Indirect.
2. Elevators:
  - Classification of Elevators:
    - Country: Line, Independent, Co-operative.
    - Terminal: Public, Private.
  - Equipment of Elevators:
    - Arrangement, Management.
3. Buying Grain at Country Elevators. Grading—Factors considered, Practice in Grading, Price—Terminal, Local.
4. Handling and Storing Grain at Country Elevators. Care of Grain and of Elevator, Seed Grain.
5. Shipping: Coopering, Demurrage, Billing, Drafts, Terminal Charges.
6. Selling: Consigning; Selling "on track", and "to arrive"; Futures; Hedging.
7. Grain Inspections: Origin; Kinds, Uniform Grades; Federal Grain Grades Act.
8. Trade Rules.
9. Basis for Cost of Operation.
10. Relationships of Producers and Elevator Men; Mutualities of Interests; Co-operation.

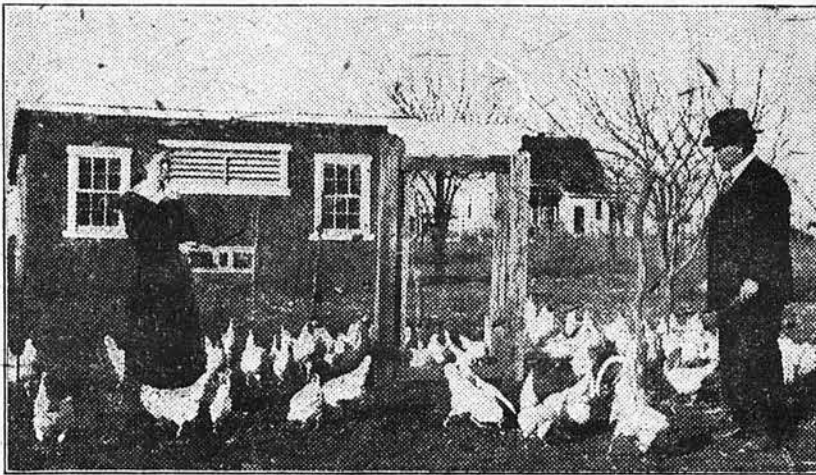
#### Where the Cantaloupes Grow

(Continued from Page 3.)

which he grows cantaloupes. But altho he rents he adheres rather rigidly to a system of crop rotation he has worked out since he has been in the seed business. Here is his rotation: Alfalfa 3 years; melons 2 years, oats 1 year, corn 1 year, melons 1 year and then back to alfalfa. He says that melons will not successfully follow sugar beets because the beet ground has been too frequently irrigated, becomes unusually hard and the fertility of the soil has been depleted. Ryan's system of rotation is one which he has found gives him the best results. He has tried out numerous systems during the time he has been growing cantaloupes.

Many farmers in this district grow watermelons and Honey Dew melons both for market and seed but this industry does not compare in importance with cantaloupes and cucumbers.

Information on the value of grain sorghum seed as a substitute for corn in feeding livestock is to be found in Farmers' Bulletins 724 and 972 of the United States Department of Agriculture, entitled, respectively, "The Feeding of Grain Sorghums to Livestock" and "How to Use Sorghum Grain." These may be obtained free on application to the United States Department of Agriculture, Washington, D. C.



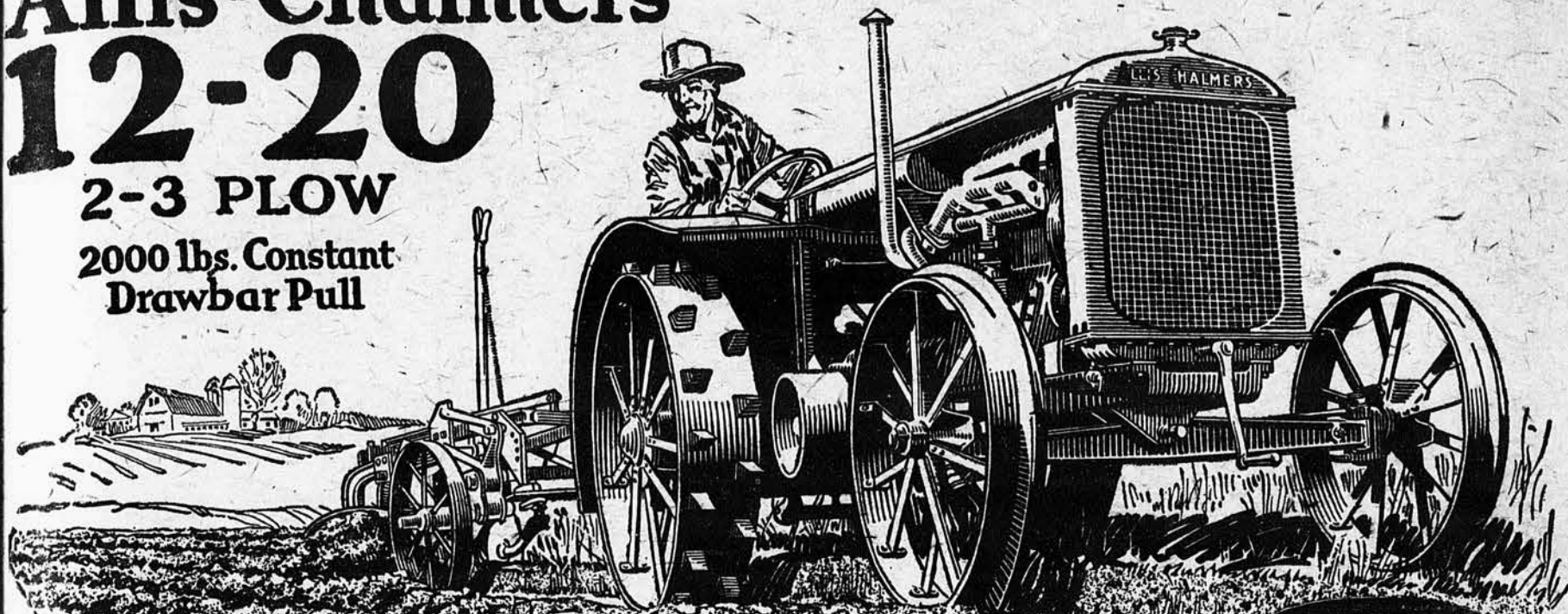
The Farm Flocks in Kansas are Producing Good Returns, and it is Probable That the Average Size Will be Increased in 1921.



# Allis-Chalmers 12-20

## 2-3 PLOW

### 2000 lbs. Constant Drawbar Pull



# \$1495

## MATCH IT IF YOU CAN!

**\$42,500,000 Allis-Chalmers Company Offers  
Perfected Tractor at an Unequalled Price**

**A**FTER seven years' development, one of the world's largest manufacturing organizations goes into large-scale production—offering perfected tractors at volume prices!

To build a tractor more economical to operate, with greater reserve power, with brute endurance—this was not the only aim of foremost consulting engineers and one of the world's largest engineering staffs when work first started on Allis-Chalmers tractors, seven years ago. A matter of equal importance was how to combine with super-quality a low price. For Allis-Chalmers sought a tractor lower in first cost than others of its rating, as well as cheapest in cost per year of service.

### Seven Years to Build This Tractor

Vastly more than "blue-print" perfection was demanded by the \$42,500,000 Allis-Chalmers Mfg. Co., with a world-wide reputation and over a half-century's experience in building machinery for some of the largest factories and engineering projects in the world. Constant factory and field tests—of the severest sort—were to prove these tractors perfected before Allis-Chalmers would go into volume production.

Naturally, adherence to such standards meant that many different models be built—that development continue for a period of years. So Allis-Chalmers proving and improving went on.

In the mammoth general plant, tractors were built for testing—in quantities of only five at a time. Design was changed at will. For it did not mean the sacrifice of thousands of dollars worth of specialized machinery whenever better construction was discovered.

Finally, a finished A-C 18-30 was built—embodying every improvement resulting from seven years of thorough, careful engineering. Long-time tests were conducted—in every kind of soil. In limited numbers, tractors were released into every section of the country. It was the "O. K." of the farmer that Allis-Chalmers wanted! And not a single A-C 18-30 owner made complaint about the service!

It was on the basis of this remarkable record that the perfected Allis-Chalmers 12-20, here offered, was designed—embodying the same time-tested features which have made the A-C 18-30 famous.

Now, with final designs proven right—with one of the world's largest tractor plants and foundries completed—the \$42,500,000 Allis-Chalmers Company goes into volume production with prices down to almost unheard of levels!

### One Hundred Tractors a Day!

This is the mammoth production capacity Allis-Chalmers has provided. Every economy resulting from volume manufacturing is reflected in the 12-20 price of \$1495. Every saving due to the enormous buying power of this \$42,500,000 institution is passed on to the buyer.

Point for point, quality for quality, the 12-20—like the 18-30—represents one of the greatest values in the industry. It typifies what consulting engineers and tractor authorities point to as modern design—dust-proof, compact, simple, accessible and comparatively light in weight—yet possessing abundant reserve power, unusual speed and sure traction.

You find its heavy-duty, smooth-running motor, for example, more accessible than the engine of a motor car or truck. Though rated at 2000

pounds constant drawbar pull, it is actually capable of developing and maintaining a power surplus of 25 per cent. Removal of two side inspection plates exposes entire crankcase; valves can be reached for grinding or cleaning of carbon by taking off a single cylinder head; complete access to transmission is secured through a large dust-proof cover plate; clutch shoes can be removed for re-lining in 15 minutes. An exceptionally large copper fin-and-tube type radiator prevents overheating, even in the warmest weather.

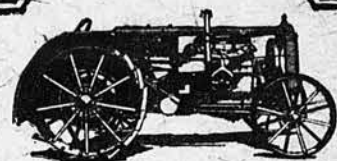
Compare the Allis-Chalmers 12-20 with other tractors selling up to \$1800—and match it if you can! Match its modern design! Match its reserve power! Match its wonderfully excellent construction—its materials—its workmanship—its downright durability!

**WRITE FOR BOOKLET TODAY**—Ask for the 18-30 or the 12-20 booklet—or both—giving complete details of exclusive Allis-Chalmers construction features which make these tractors so superior.

**DEALERS**—Write today for attractive dealership and jobber proposition. Share in the mammoth sales co-operation program which goes with Allis-Chalmers 100-tractor-a-day production capacity!

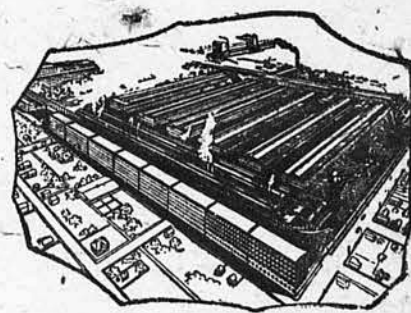
**ALLIS-CHALMERS MFG. CO., Dept. 13E. Milwaukee, Wis.**

Watch **ALLIS CHALMERS** this Year



**Allis-Chalmers 18-30**

**I**N THIS 3-4 plow tractor engineers worked out every construction feature which has been incorporated into the new A-C 12-20. Reserve power, accessibility, a generous use of oversize parts—these are Allis-Chalmers qualities you'll appreciate. Lubrication of the 18-30 is force-feed; air entering carburetor is first washed—freed of every particle of dirt and dust; "line-up" for belt work is made easy by use of automobile type of steering.



**THE 66-YEAR OLD COMPANY  
BEHIND A-C TRACTORS:**

**Capitalization, \$42,500,000.**

**Assets, \$67,500,000.**

**Ground area of plant, 116 acres.**

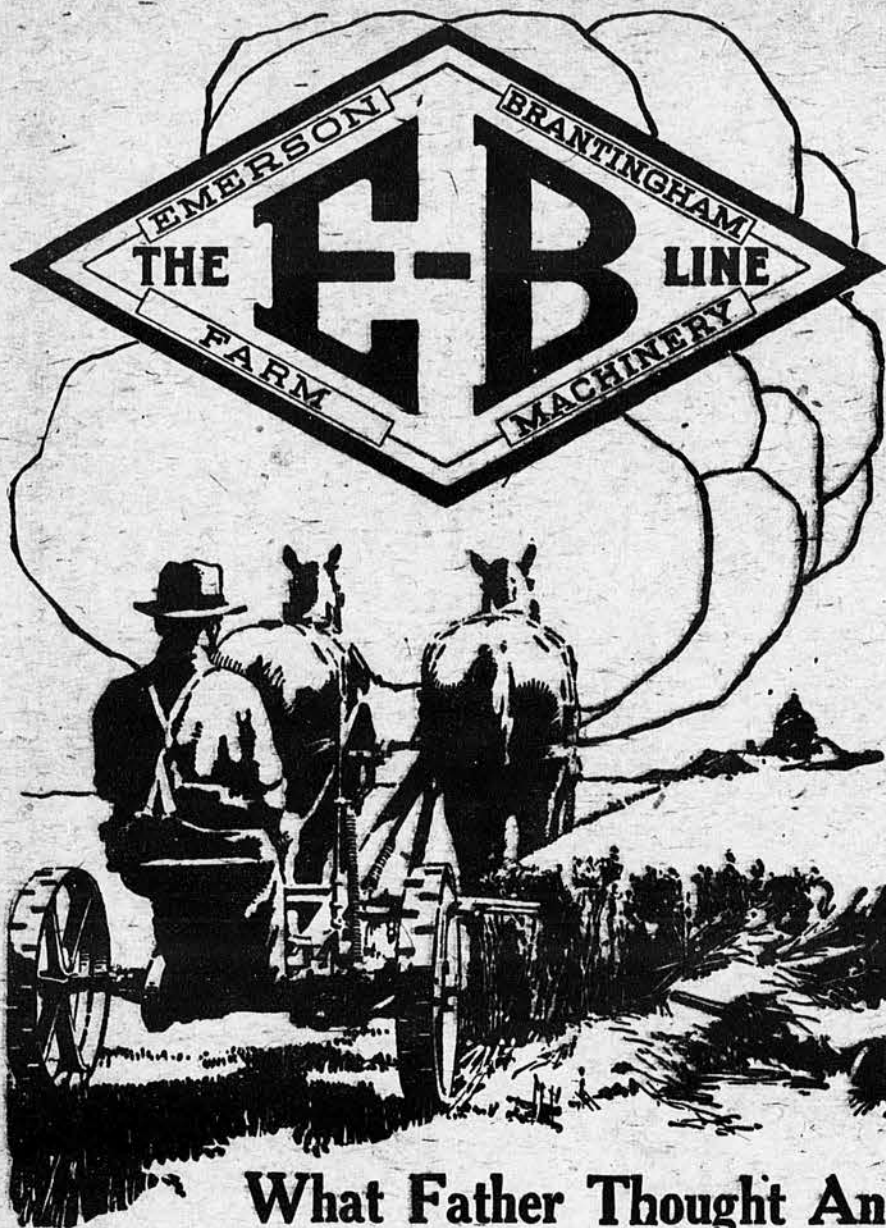
**Employees, 8,000.**

**Railway Track, 16 Miles.**

**One of Country's Foremost Quantity Buyers of Iron and Steel.**







## What Father Thought An Expense Son Makes An Investment

A MIDDLE WESTERN FARMER tills the same acreage that he, his brother and father used to farm. And he makes more money.

His father used the implements others threw away—unknown makes—for which repairs were hard to get or unobtainable. To him, farm implements were an expense—one to keep small. The son buys known tools—the best. He believes that implements to a great extent determine his profits—that implements are an investment.

This year farm profits will depend largely on production costs—hence on implements. Before investing, the careful farmer will ask: "Does

the tool mean better, faster work—is it dependable and durable?" Sixty-eight years' experience has served to answer these questions correctly in E-B line of farm tools. In these, your investment is protected. Every E-B tool is made to work when needed, to last many years, to lower production costs—facts attested to by farmers everywhere.

Close study of the farmer's needs has taught us what to make—sixty-eight years' experience has taught us how to make it.

## Emerson - Brantingham Implement Co., Inc.

Established 1852

Rockford, Illinois

A Complete Line of Farm Machinery Manufactured and Guaranteed by One Company

\$1.20 EACH

**H & M Harness and Saddle Catalog for 1921 Now Ready**  
Send for your copy of this BIG BARGAIN BOOK.  
IT IS FREE—Look it over.  
**BLACK DIAMOND HALTER, SIZE 1 1/4 INCH**  
Extra Heavy and Large  
**H & M Harness Shop** ST. JOSEPH, MO.  
Stock Yards  
Add 5c for postage. DEPT. 33 Each halter delivered parcel post.

\$1.20 EACH

## \$1.25 Advanced On Wheat

We will advance you \$1.25 per bushel, Kansas City, for your wheat, furnishing official weights and grades, and pay you market price for your grade of wheat any day you may notify us to sell within six months.

**Gateway Milling Co., Kansas City, Mo.**

Incorporated 1912

References, Security National Bank

WE SHIP MIXED CARS

## Farm Engineering

By Frank A. Meckel

WITH all the agitation over the high price of farm machinery it is interesting to note that automobiles are from 50 to 100 per cent higher than they were in 1914, and the gasoline that it takes to run them costs nearly three times as much now as it did in 1914. Another item of interest is that one does not hear of any of the banks cutting down the rate of interest charged for the use of money. There are others beside the implement manufacturers who need to be reminded that the war is over.

### Whitewashing and Calcinizing

A good coat of whitewash adds materially to the appearance of the inside of the hen house or the machine shed or cattle barn or even to some portions of the house. Many of our readers might do more whitewashing if they knew more about making it and just how cheap it is, so we are giving a few hints here on the making and proper use of the two most common water paints. No one need feel small about using whitewash, for the east end of the White House at Washington, D. C., is embellished with this very kind of paint, so if it can be used there it can be used at home certainly.

Probably the best and most satisfactory whitewash is made from fresh unslacked lime, by slowly adding water enough to slack the lumps, and then enough to make a paste which is stirred until cool. It is then thinned with water to a thin paste and strained. A proper quantity of lime to use is a half bushel. To the paste is then added about 15 pounds of salt previously dissolved; 3 pounds of rice boiled to a thin paste and strained; and a glue solution made from a pound of glue previously dissolved in a quart of water with a half pound of powdered chalk added. The glue and chalk are added to the lime and salt. Five gallons of water are then added and the mixture stirred well and allowed to stand for a day or so before using.

Whitewash is applied with a large flat brush and rubbed on lightly, but

mine, the color must be mixed with water and added to the whitening before the size is added. The color is always darker when wet and can only be judged after calcimine dries. Walls to be whitewashed or calcimined should be thoroughly cleaned and have all old whitewash removed. Stains may be removed by washing with a strong soda solution. They may often be covered over with aluminum paint. One authority on painting states that he has used this aluminum paint method very successfully, as it is nearly white, and does not show thru the finished calcimined surface at all.

It is often desirable to give plaster walls a coat of size or even oil paint before calcimining. The only objection to this being the cost and time necessary for application.

After the wall has been calcimined very pleasing effects may be had by putting on a border or fresco. This is very often stenciled on with calcimine of another shade or color, or with oil paint.

Calcimine is now sold under various trade names in powder form put up in boxes. Directions accompanying this material usually suggest adding a certain amount of hot water, stirring and cooling. This material is practically the same as that which has been described above, the often not so good.

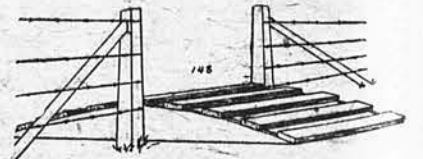
Calcimine offers a greater variety of color effects than whitewash and has a softer and smoother appearance, but does not have the germicidal advantages nor is it as cheap as whitewash. On plain work it is very easily applied by the novice, tho it readily lends itself to display the skill of the artist, some of the most celebrated pictures of the world being fresco paintings done with calcimine.

### Better Late Than Never

With the opening of a new season, the man who heeded National Repair Week and put his tractor and other farm machinery in order will be the one to get off to a flying start. Even if you did not get in under the wire, it is better to make the repairs now than never, and it is not too late. Get busy and fix up the old machinery and it will very likely answer for another year. In this way you can beat the high prices to a frazzle.

### Keep Your Seat!

Where there are cattle fences separating the fields of a large farm and it is necessary to pass thru these fields frequently in a car, much time may be saved by substituting cattle-guards for



the ordinary gates. Here is a sketch of one such that has proved entirely successful. It need not be made much wider than the car. The side supports are of 2-by-12's and the top-pieces are made of 2 by 6 planking spaced 5 inches apart. The cattle will not attempt to make a crossing over such a guard, and a car can easily cross without damage to tires or undue vibration or shaking of the occupants.

### Map of the United States Free

We have arranged to furnish readers of Kansas Farmer and Mail and Breeze with a big two sheet Wall Map of the United States and Europe. This large map gives you the population of each city, it shows the location of all the towns, cities, railroads, automobile roads, rivers and interurban electric lines, and gives a list of all the principal cities of the United States. For a short time only we will give one of these big wall maps postpaid to all who send \$1.00 to pay for a one-year new or renewal subscription to Kansas Farmer and Mail and Breeze. Or given with a 3-year subscription at \$2.00. Every reader should have one of these instructive wall maps. Address Kansas Farmer and Mail and Breeze, Topeka, Kan.—Advertisement.

If it is desired to color the calci-



# Jayhawker's Farm Notes

By Harley Hatch

**B**ECAUSE all the threatened storms of the past winter have "fizzled out" and because so little rain and snow have fallen during most of the winter many fear that we will have a dry summer. They say we have no stored moisture to start with and because of this cannot stand even a moderate drouth without much harm resulting. It is strange what short memories we have; the winter of 1920 was even drier than this one has been and in this locality we did not have moisture enough to start the wheat until toward the last of March and most of the ponds and creeks were dry all winter. Yet that dry winter and spring were followed by one of the best crop seasons this country ever has had. By the time this appears in print we may be praying for the rain to stop so we can finish the spring plowing.

## Good Profits in Poultry

We have a very good market here for poultry as Burlington has two large wholesale poultry plants where all kinds of fowls are prepared for market in ear lots. This also makes competition in the egg market and at one time this week the Burlington egg market was but 1 cent a dozen behind that of Kansas City. Despite the drop in egg prices we believe more net profit has been made in the poultry business than was made one year ago. At that time both corn and kafir sold for more than \$1.50 a bushel and all poultry feeds were high in proportion. Today corn is but 45 cents and kafir but 35 cents a bushel in our market town while eggs bring 28 cents a dozen. We think we are not exaggerating when we say that poultry has paid better net profits during the last five years than any other farm product.

## Better Prices for Livestock

Rising markets for both hogs and cattle during the past 10 days have stirred up the optimists again and once more they see visions of wealth in shotes bought at 13 cents a pound and steers at \$8 a hundred. We hope they are right for we raise and sell both hogs and cattle yet we should hesitate to pay 13 cents a pound for shotes weighing but little less than 100 pounds apiece. Of course, there is a good profit to be figured in feeding 45-cent corn to 9-cent hogs but if 13 cents a pound is paid for the first 80 to 90 pounds it will be seen then even if we have 45-cent corn the hog shows but little profit when he weighs 200 pounds. And we are by no means certain that we will have 45-cent corn for long. Present indications point to higher grain prices, especially should the season continue dry. We don't mind taking a chance but too long a chance is what breaks up so many livestock men.

## Farming is Safe Business

Farming is a safe and sure business from the point of being certain of having enough to eat but we note that none of the younger generation is hunting for a job that leaves a person's hands calloused and that often fills his eyes with dirt. For this reason most of the farm work being done now is done by men past 40 years old. But for the jobs which do not soil the hands or stretch the muscles there are applications in plenty. Last week the position of assistant county engineer of our adjoining county of Lyon became vacant and there were but 76 budding engineers who applied for it. This week examinations for two rural mail carriers on routes in this county developed 30 applicants for the positions. When the day comes again—and it will come shortly—if the consumers consume faster than the farmer can produce you will again hear the story of what an old skinflint the farmer is.

## Stalk Cutters in Demand

The dry weather has made the heavy growth of cornstalks produced last year very brittle and the stalk cutters have done much better work this spring than usual. There was but a small proportion of the corn cut for fodder last fall and that leaves most fields which grew corn with a very heavy growth of stalks to dispose of. I know of few who rake and burn their

stalks, but I do note that nearly every field has had the stalks cut preparatory to turning them under. We are aware that there are seasons when the turning under of a big growth of stalks or grass helps to dry out the soil the next summer but for all that I do not believe it pays to burn anything off our fields that can be plowed under. There are times when a heavy growth of grass must be burned to enable the fields to dry out but that is not the case this spring. Our soil here is what may be classed as heavy and should have everything returned to it that will help to keep it as light and loose as possible.

## A Favorable Winter for Livestock

It is an old and good saying—so good that many think it must be from the Bible—that "the Lord tempers the wind to the shorn lamb." We don't suppose that many of the Kansas cattlemen wish to pose as lambs, but they are really thankful that the wind has been tempered during the past winter even if the markets have not. I never have seen a winter when stock could be carried thru in such good condition at such small cost. While beef cattle

have not been profitable during the last few months yet they have not shown the loss they might have done had we been given an "old fashioned winter." The calves which we have on feed have done well and are now doing better since we have largely increased their grain ration. It was our plan when we started them to finish about May 1 and we expect during the next six weeks to feed all the grain they will eat. We are now feeding corn, 2 parts, and oats, 1 part, ground for the calves and the horses are doing just as well on it as the calves are. Horses of any age do well on such a ration but there is nothing to equal it for horses that are past 10 years old. It is a true saying that a horse is as old as his teeth and it follows that anything that will save his teeth will prolong his life.

Cottonwood and willow plantations are most easily started with cuttings. These are simply from 12 to 14-inch sections taken from the 1 or 2 year old twigs of living trees. The cuts should be made with a sharp tool, to avoid bruising the bark. Cuttings should be collected during early winter and buried in moist sand in a cool place until the time for planting.

Nut trees, such as walnut, hickory, and oak, develop a deep taproot and few lateral feeding roots during their first year. They cannot ordinarily be transplanted to the field so successfully as other trees, so that planting the nuts or acorns on the permanent site usually is considered preferable.



# On a Pullman about a month ago

I had to shave—and in a hurry.  
Confound it! No hot water. And me with a wiry beard.

I was fussing around, cussing around.

"Here, old man, here's your salvation. Lather with this and you'll be shaved in a jiffy."

It was the man at the next bowl. He was handing me a tube of shaving cream.

I squeezed a bit of it on my brush. The cream was olive-colored.

"Never mind rubbing it in," says my fellow-shaver. "Just lather and shave."

....A few strokes with the razor. No "pull" at all. No scrape. Nothing like the usual shave. Was the razor really getting the hair?

I looked closely at my face. Felt of the skin. By George! How clean and smooth every razor stroke left the skin!

A few more licks with the razor and the job was done.

....Never before did I know shaving to be so pleasant, so delightful!

Never before did I know a razor to take off the beard so easily, so cleanly, so smoothly!

Never before did I know my skin to feel so good after a shave. So cool. So freshened.

That was my introduction to Palmolive Shaving Cream. And I want to tell you that no matter how many soaps and creams and other concoctions you've tried, there's nothing in the world like a Palmolive shave.

You can test this cream at no cost to you. A 10-day trial tube of Palmolive is free to every man who requests it. Your name and address in the coupon brings you the trial tube, free and post-paid.

THE PALMOLIVE COMPANY  
MILWAUKEE, U. S. A.

Large size tube at your  
druggist, 35c

# Hold Your Grain

Don't sacrifice your crop—the result of a year's hard work. If you have grain on hand, don't sell it until you hear from us. If you want to hold it for an upward trend of prices as the season advances, we will give you cash help through your spring and summer work.

## We'll Lend You Money

We have made arrangements for all the money you need and have set aside a large part of our capital as a reserve for farmers to draw on. We will advance to you—in cash—\$1.25 a bushel on wheat, 40c on corn and 25c on oats. You select your own market—sell when you please. No risk at all. It's a fair, square plan by which thousands of farmers are getting the ready money they need and can't find elsewhere.

## A Square Deal Guaranteed

Investigate us. Just send your name and address—a card will do—and we will forward gilt-edged business references and explain our plan. Judge it squarely on its merits and make your own decision. We may be able to save you thousands of dollars and turn your losses into profits. Write us today.

J. E. WEBER & CO.,

205 Commerce Bldg., Kansas City, Mo.

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

FREE

Try a new kind of lather. One that emulsifies the oil-coat on the beard. One that also contains palm and olive oils. A trial tube free. Mail the coupon.



THE PALMOLIVE COMPANY  
Dept. 168, Milwaukee, U. S. A.  
Please send me a free trial tube of Palmolive Shaving Cream.

Name .....

Address .....

PALMOLIVE emulsifies the oil-coat on the beard. Within one minute the beard absorbs 15% of water, and the horniest beard becomes wax-like. Every hair then cuts easy. Palmolive lather is also a lotion in itself. Contains palm and olive oils. It soothes all irritation—makes the skin feel good. Send for free trial tube.



# FARM ENGINE PRICES



**1½ H.P.**  
**\$6250**



**3 H.P. ... \$107.50**  
**6 H.P. ... 175.00**  
F. O. B. Factory

## Fairbanks-Morse "Z" Farm Engines

We feel that it is up to us as farm engine manufacturers, to go the limit in attempting to bring prices and conditions back to normal. The farmers of America today need every possible help so that farm equipment costs will more closely meet the lowered return from products sold.

That the "Z" Engine is an essential factor for bettering farm conditions has been proven. Over 300,000 engines have been bought by farmers from over 6000 reputable dealers.

After full consideration—with-out regard to costs of engines now completed in warehouses of our 26 branches, we have decided upon this big price reduction. Even present costs of labor and raw materials have been ignored. There is a "Z" dealer near you who will be glad to prove that the "Z" Engine is supreme as to materials—design—workmanship. So if you can use one or more engines on your farm to lighten your labor, to help you get more work done, this is the time to buy.

**FAIRBANKS, MORSE & CO.**  
MANUFACTURERS - CHICAGO

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## FARM WAGONS

High or low wheels—steel or wood—wide or narrow tires. Steel or wood wheels to fit any running gear. Wagon parts of all kinds. Write today for free catalog illustrated in colors.

**ELECTRIC WHEEL CO., 30 Elm Street, Quincy, Ill.**



## The Farmer's Concrete Mixer

### SHELDON Batch Mixer

Build for permanence. Put a SHELDON Mixer to work on your farm. Saves time, labor, money. Takes the backache out of concrete. Gives you a better job. Sheldon is the pioneer builder of mixers for farmers. Thousands use now on farms—in every state. Buy a Sheldon. Build your own concrete tanks, feeding floors, silos, foundations, etc., at a big saving. Costs only \$16.80 and upward. Write for book.

Mixer Parts \$14.20 up  
Complete Mixers \$29.85 up

Read What These Sheldon Owners Say

It is the greatest labor saver I have on my farm. Two men can do ten times the amount of work in one day and do it ten times easier than the old way. —ALBERT L. WALLACE, Jacksonville, O.

The machine I bought of you in 1916 has given continual service to date without a single repair, and at present needs only the small cast wheels that support the drum, and their supports. —ASA A. COBLE, Huntington, Ind.

Owing to the scarcity of labor the machine is practically indispensable in making farm improvements with concrete. —J. McGRATH, Massena, N. Y.

I am more than busy with my Sheldon Mixer. I have more work than I can do. I get \$10 a day when I work out. —ESSIE L. WITTER, Wellsville, N. Y.

Last spring we purchased a set of castings to make a concrete mixer. It was constructed per the plans furnished and is a very nice piece of work. —B. B. BAKER, Freeport, Ill.

George Hanft of Ackley, Ia., writes that he put through 106 yards of concrete in 21 hours. That's more than 40 cubic yards for an eight-hour day.

## FREE PLANS

Make your own concrete mixer. Costs go little you can't afford to mix by shovel. With our iron and steel parts we send Free Plans and a permit for building your own. Or, we will sell you a built-up machine, at a very low price. You Can Make Big Money at Concreting If you buy a Sheldon Mixer for your own use you can make many times its cost in a season by renting it to your neighbors. Or, if you want to go out with it on contracts, you can easily earn \$10 to \$20 a day. Sheldon owners are doing it right now. The jobs go to the man with a Sheldon Mixer every time. A profitable side line for spare time.

**30 Days Trial! Write for Catalog!** Our special 30-Day Trial Privilege absolutely protects you. Write for details. Get our Free Catalog showing full line of mixers sold direct from factory on strong guarantee. No other like it. Two styles, hand and power. Mixes 3 cubic feet a minute. One man can operate it, but it will keep 2 to 6 men busy. Continuous chain drive. Tipping discharge. Easily and quickly moved. All parts guaranteed. Does work equal to \$400 mixers. Get the catalog, and full information. Write today.

**SHELDON MFG. CO.**  
730 Main St. Nehawka, Neb.

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Get our new 176-page Book on Concreting. A real text book written by an expert! Gets right down to A. B. C.'s. Contains detailed instructions, tables, plans, and cross sections—132 illustrations. Invaluable to any man in planning construction. Free, postpaid, when you buy a Sheldon. To others, \$1.

## THE VOICE OF THE PACK

A Story of the Western Forests

BY EDISON MARSHALL

(Copyright, 1920, by Little, Brown and Company.)

SHE didn't cry out again. Realizing at last the reality of her peril, her long training in the mountains came to her aid. That did not mean she was not truly and terribly afraid. The sight of the eyes of a hunting animal in the darkness calls up memories from the germlasm—deep-buried horrors of thousands of generations past, when such lights glowed all about the mouth of the cave. Besides, the beast was hunting her. She couldn't doubt this fact. Curiosity might make a lion follow her, but it would never beget such a wild light of madness in his eyes as this she had just seen. Only the frenzied pulse of wild blood thru the fine vessels of the corneas could occasion such a glow as this. She simply clamped down all her moral strength on her rising hysteria and looked her situation in the face. Her hand flew instinctively to her side, and the pistol leaped in the lantern light.

But the eyes had already blinked out before she could raise the weapon. She shot twice. The echoes roared back unbelievably loud in the silence, and then abruptly died; and the only sound was a rustling of leaves as the cougar crouched. She sobbed once, then hurried on.

She was afraid to listen at first. She wanted to believe that her pistol fire would frighten the animal from her trail. She knew, under ordinary conditions, that it would. If he still followed, it could mean but one thing—that some unheard-of incident had occurred to destroy his fear of men. It would mean that he had knowingly set upon her trail and was hunting her with all the age-old remorselessness that is the code of the mountains.

For a little while all was silence. Then out of the hush the thickets suddenly crashed and shook on the opposite side of the trail. She fired blindly into the thicket. Then she caught herself with a sob. But two shells remained in her pistol, and they must be saved for the test.

Whisperfoot the cougar, remembering the lessons of his youth, turned from the trail when he had first heard Snowbird's step. He had crouched and let her pass. She was walking into the wind; and as she was at the closest point a message had blown back to him.

### Memories of the Past

The hair went straight on his shoulders and along his spine. His blood, running cold an instant before from fear, made a great leap in his veins. A picture came in his dark mind: the chase for a deer when the moon had set, the stir of a living thing that broke twigs in the thickets, and the leap he had made. There had been blood, that night—the wildness and the madness and the exultation of the kill. Of course there had been terror first, but the terror had soon departed and left something lying warm and still in the thickets. It was the same game that walked his trail in front—game that died easily and yet, in a vague way he did not understand, the noblest game of all. It was living flesh, to tear with talon and fang.

All his training, all the instincts imbedded in him by a thousand generations of cougars who knew this greatest fear, were simply obliterated by the sudden violence of his hunting-madness. He had tasted this blood once, and it could never be forgotten. The flame leaped in his eyes. And then he began to stalk.

A cougar, trying to creep silently on its game, does not move quickly. It simply steals, as a serpent steals thru the grass. Whisperfoot stalked for a period of five minutes, to learn that the prey was farther away from him at every step.

He trotted forward until he came close, and again he stalked. Again he found, after a few minutes of silent creeping thru the thickets, that he had lost distance. Evidently this game did not feed slowly, like the deer. It was to be a chase then. Again he trotted within one hundred feet of the girl.

Three times more he tried to stalk before he finally gave it up altogether. This game was like the porcupine—simply to be chased down and taken. As

in the case of all animals that hunt their game by overtaking it, there was no longer any occasion for going silently. The thing to do was to come close and spring from the trail behind.

Tho the fear was mostly gone, the cougar retained enough of that caution that most wild animals exhibit when hunting a new game so that he didn't attempt to strike Snowbird down at once. But as the chase went on, his passion grew upon him. Ever he crept nearer. And at last he sprang full into the thickets beside her.

At that instant she had shot for the first time. Because the light had left his eyes before she could find aim, both shots had been clean misses. And terrible, as the reports were, he was too engrossed in the chase to be frightened away by mere sound. This was the cry the manpack always made—these sudden, startling sounds in the silence. But he felt no pain. He crouched a moment, shivering. Then he bounded on again.

The third shot was a miss too; in fact, there had been no chance for a hit. A sound in the darkness is as unreliable a target as can possibly be imagined. And it didn't frighten him as much as the others.

Three times he crouched, preparing for a spring, and three times his tawny tail began that little up-and-down motion that is always the warning before his leap. But each time, as he waited to find his courage, the game had hurried on.

Now she had her back to a tree and was holding the lantern high. It glinted on his eyes. And the fourth time she shot, and something hot and strange singed by close to his head. But it wasn't the pain of one quill from a porcupine, and it only increased his anger. He waited, crouching, and the girl started on.

She was making other sounds now—queer, whimpering sounds not greatly different from the bleat that the fawn utters when it dies. It was a fear-sound, and if there is one emotion with which the wild beasts are acquainted, in all its phases, it is fear. She was afraid of him then, and that meant he need no longer be in the least afraid of her. His skin began to twitch all over with that terrible madness and passion of the flesh-hunters.

This game was like the deer, and the thing to do was lie in wait. There was only one trail. He was simply following his instincts, no conscious intelligence, when he made a long circle about her and turned back to the trail two hundred yards in front. He wasn't afraid of losing her in the darkness. She was neither fleet like the deer nor courageous like Wolf, the bear. He had only to wait and leap from the darkness when she passed.

And because this was his own way of hunting, because the experiences of a thousand generations of cougars had taught him that it was the safest way, that even an elk may be downed by a surprise leap from ambush, the last of his fear went out of him. The step drew nearer, and he knew he would not again be afraid to give his stroke.

### The Third Shot

When Dan Failing, riding like mad over the mountain trail, heard the third shot from Snowbird's pistol, he felt that one of the debts he owed had come due at last. He seemed to know, as the darkness pressed around him, that he was to be tried in the fire. And the horse staggered beneath him as he tried to hasten.

He showed no mercy to his mount. Horseflesh isn't made for carrying a heavy man over such a trail as this, and she was red-nostriled and lathered before half a mile had been covered. He made her leap up the rocks, and on the fairly level stretches he loosed the reins and lashed her into a gallop. Only a mountain horse could have stood that test. To Dan's eyes, the darkness was absolute; yet she kept straight to the trail. He made no attempt to guide her. She bounded over logs that he couldn't see, and followed turn after turn in the trail without ever a misstep.

He gave no thought to his own



safety. His courage was at the test, and no risk of his own life must interfere with his attempt to save Snowbird from the danger that threatened her. He didn't know when the horse would fall with him and precipitate him down a precipice, and he was perfectly aware that to crash into a low-hanging limb of one of the great trees beside the trail probably would crush his skull. But he took the chance. And before the ride was done he found himself pleading with the horse, even as he lashed her side with his whip.

The lesser forest creatures sprang from his trail; and once the mare leaped high to miss a dark shadow that crossed in front. As she caught her stride, Dan heard a squeal and a rattle of quills that identified the creature as a porcupine.

By now he had passed the first of the worst grades, coming out on a long, easy slope of open forest. Again he urged his horse, leaving to her keen senses alone the choosing of the path between the great tree trunks. He rode almost in silence. The deep carpet of pine needles, wet from the recent rains, dulled the sound of the horse's hoofs.

Then he heard Snowbird fire for the fourth time; and he knew that he had almost overtaken her. The report seemed to smash the air. And he lashed his horse into the fastest run she knew—a wild, sobbing figure in the darkness.

"She's only got one shot more," he said. He knew how many bullets her pistol carried; and the danger—whatever it was—must be just at hand. Underbrush cracked beneath him. And then the horse drew up with a jerk that almost hurled him from the saddle.

He lashed at her in vain. She was not afraid of the darkness and the creaks of the trail, but some Terror in the woods in front had in an instant broken his control over her. She reared, snorting; then danced in an impotent circle. Meanwhile, precious seconds were fleeing.

He understood now. The horse stood still, shivering beneath him, but would not advance a step. The silence deepened. Somewhere in the darkness before him a great cougar was waiting by the trail, and Snowbird, hoping for the moment that it had given up the chase, was hastening thru the shadows squarely into its ambush.

Whisperfoot crouched lower; and again his long serpent of a tail began the little vertical motion that always precedes his leap. He had not forgotten the wild rapture of that moment he had inadvertently sprung on Landy Hildreth—or how, after his terror had fled, he had come creeping back. He hunted his own way, waiting on the trail; and his madness was at its height. He was not just Whisperfoot the coward, that runs at the shadow of a tall form in the thickets. The consummation was complete, and that single experience of a month before had made of him a hunter of men. His muscles set for the leap.

#### An Echo

So intent was he that his keen senses didn't detect the fact that there was a curious echo to the girl's footsteps. Dan Failing had slipped down from his terrified horse and was running up the trail behind her, praying that he could be in time.

Snowbird heard the pat, pat of his feet; but at first she did not dare to hope that aid had come to her. She had thought of Dan as on the far-away marshes; and her father, the only other living occupant of this part of the Divide, might even now be lying dead in his house. In her terror, she had lost all power of interpretation of events. The sound might be the cougar's mate, or even the wolf pack, jealous of his game. Sobbing, she hurried on into Whisperfoot's ambush.

Then she heard a voice, and it seemed to be calling to her. "Snowbird—I'm coming, Snowbird," a man's strong voice was shouting. She whirled with a sob of thankfulness.

At that instant the cougar sprang. Terrified tho she was, Snowbird's reflexes had kept sure and true. Even as the great cat leaped, a long, lithe shadow out of the shadow, her finger pressed back against the trigger of her pistol. She had been carrying her gun in front of her, and she fired it, this last time, with no conscious effort. It was just a last instinctive effort to defend herself.

One other element affected the issue. She had whirled to answer Dan's cry just as the cougar left the ground. But she had still been in range. The

only effect was to lessen, in some degree, the accuracy of the spring. The bullet caught the beast in mid-air; but even if it had reached its heart, the momentum of the attack was too great to be completely overcome. Snowbird only knew that some vast, resistless power had struck her, and that the darkness seemed to roar and explode about her.

Hurled to her face in the trail, she did not see the cougar sprawl on the earth beside her. The flame in the lantern almost flickered out as it fell from her hand, then flashed up and down, from the deepest gloom to a vivid glare with something of the effect of lightning flickering in the sky. Nor did she hear the first frenzied thrashing of the wounded animal. Kindly unconsciousness had fallen, obscuring this and also the sight of the great cat, in the agony of its wound, creeping with broken shoulder and bared claws across the pine needles toward her defenseless body.

But the terrible fangs were never to know her white flesh. Some one had come between. There was no chance to shoot: Whisperfoot and the girl were too near together for that. But one course remained; and there was not even time to count the cost. In this most terrible moment of Dan Failing's life, there was not even an instant's hesitation. He did not know that Whisperfoot was wounded. He saw the beast creeping forward in the weird dancing light of the fallen lantern, and he only knew that his flesh, not hers, must resist its rending talons. Nothing else mattered. No other considerations could come between.

It was the test; and Dan's instincts prompted coolly and well. He leaped with all his strength. The cougar bounded into his arms, not upon the prone body of the girl. And she opened her eyes to hear a curious thrashing in the pine needles, a strange grim battle that, as the lantern flashed out, was hidden in the darkness.

And that battle, in the far reaches of the Divide, passed into a legend. It was the tale of how Dan Failing, his gun knocked from his hands as he met the cougar's leap, with his own unaided arms kept the life-giving breath from the animal's lungs and killed him in the pine needles. Claw and fang and the frenzy of death could not matter at all.

Thus Failing established before all men his right to the name he bore. And thus he paid one of his debts—life for a life, as the code of the forests has always decreed—and in the fire of danger and pain his mettle was tried and proven.

#### The Emergency Hospital

The Lennox home, in the far wilderness of the Umpqua Divide, looked rather like an emergency hospital for the first few days after Dan's fight with Whisperfoot. Its old sounds of laughter and talk were almost entirely lacking. Two injured men and a girl recovering from a nervous collapse do not tend toward cheer.

But the natural sturdiness of all three quickly came to their aid. Of course Lennox had been severely injured by the falling log, and many weeks would pass before he would be

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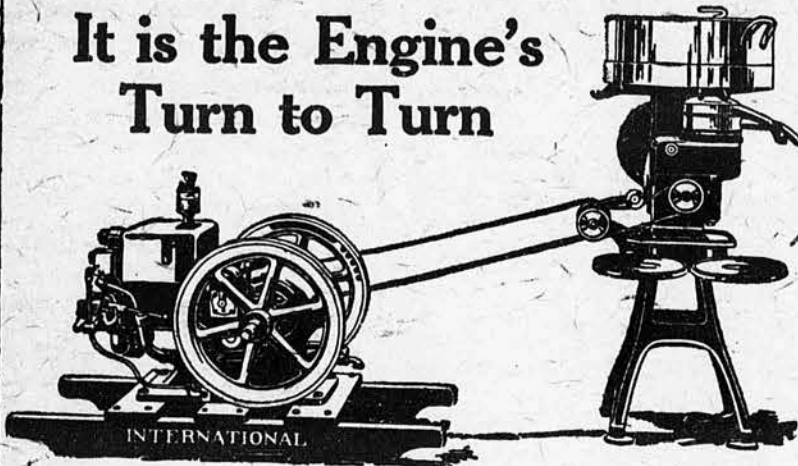
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able to walk again. He could sit up for short periods, however; had the partial use of one arm; and could propel himself—after the first few weeks—at a snail's pace thru the rooms in a rude wheel chair that Bill's ingenuity had contrived. The great livid scratches that Dan bore on his body quickly began to heal; and before a week was done, he began to venture forth on the hills again. Snowbird had remained in bed for three days; then she had hopped out, one bright afternoon. Evidently the crisp, fall air of the mountains had been a nerve tonic for them all.

Of course there had been medical attention. A doctor and a nurse had mofored up the day after the accident; the physician had set the bones and departed, and the nurse remained for a week, to see the grizzled mountaineer well on the way of convalescence. But it was an anxious wait, and Lennox's car was kept constantly in readiness to speed her away in case the snows should start. At last she had left him in Snowbird's hands, and Bill had driven her back to the settlements in his father's car. The die was now cast as to whether Dan and the remainder of the family should winter in the mountains. The snow clouds deepened every day, the frost was ever heavier in the dawns, and the road would surely remain open only a few days more.

Once more the three seemingly had the Divide all to themselves. Bert Cranston had evidently deserted his cabin and was working a trap-line on the Umpqua side. The rangers left the little station, all danger of fire past, and went down to their offices in the Federal building of one of the little cities below. Because he was worse than useless in the deep snows that were sure to come, one of the ranch hands that had driven up with Bill rode away to the valleys the last of the livestock—the horse that Dan had ridden to Snowbird's defense.

Nothing had been heard of Landy Hildreth, who used to live on the trail to the marsh, and both Lennox and his daughter wondered why. There were also certain officials who had begun to be curious. As yet, Dan had told no one of the grim find he had made on his return from hunting. And he would have found it an extremely difficult fact to explain.

It all went back to those inner springs of motive that few men can see clearly enough within themselves to recognize. Even the first day, when he lay burning from his wounds, he worked out his own explanation in regard to the murder mystery. He hadn't the slightest doubt but that Cranston had killed Hildreth to prevent his testimony from reaching the courts below. Of course any other member of the arson ring of hillmen might have been the murderer; yet Dan was inclined to believe that Cranston, the leader of the gang, usually preferred to do such dangerous work as this himself. If it were true, somewhere on that tree-clad ridge clues would be left. By a law that went down to the roots of life, he knew, no action is so small but that it leaves its mark. Moreover, it was wholly possible that the written testimony Hildreth must have gathered had never been found or destroyed. Dan didn't want the aid of the courts to find these clues. He wished to work out the case himself. It resolved itself into a simple matter of vengeance: Dan had his debt to pay, and he desired to bring Cranston to ruin by his own hand alone.

### A Fire Bug

While it was true that he took rather more than the casual interest that most citizens feel in the destruction of the forest by wanton fire, and had an actual sense of duty to do all that he could to stop the activities of the arson ring, his motives, stripped and bare, were really not utilitarian. He had no particular interest in Hildreth's case. He remembered him simply as one of Cranston's disreputable gang, a poacher and a fire bug himself. When all is said and done, it remained really a personal issue between Dan and Cranston. And personal issues are frowned upon by law and society. Civilization has toiled up from the darkness in a great measure to get away from them. But human nature remains distressingly the same, and Dan's desire to pay his debt was a distinctly human emotion. Sometime a breed will live upon the earth that can get clear away from personal vengeance—from that age-old code of the

hills that demands a blow for a blow and a life for a life—but the time is not yet. And, after all, by all the standards of men as men, not as read in idealistic philosophies, Dan's debt was entirely real. By the light held high by his ancestors, he could not turn his other cheek.

Just as soon as he was able, he went back to the scene of the murder. He didn't know when the snow would come to cover what evidence there was. It threatened every hour. Every wind promised it. The air was sharp and cold, and no drop of rain could fall thru it without crystallizing into snow. The deer had all gone, and the burrowing people had sought their holes. The bees worked no more in the winter flowers. Of all the greater forest creatures, only the wolves and the bear remained—the former because their fear of men would not permit them to go down to the lower hills, and the latter because of his knowledge that when food became scarce, he could always burrow in the snow. No bear goes into hibernation from choice. Wise old bachelor, he much prefers to keep just as late hours as he can—so long as the eating places in the berry thickets remain open. The cougars had all gone down with the deer, the migratory birds had departed, and even the squirrels were in hiding.

The scene didn't offer much in the way of clues. Of the body itself, only a white heap of bones remained; for many and terrible had been the agents at work upon them. The clothes, however, particularly the coat, were practically intact. Gripping himself, Dan thrust his fingers into its pockets, then into the pockets of the shirt and trousers. All papers that would in any way serve to identify the murdered man, or tell what his purpose had been in journeying down the trail the night of the murder had been removed. Only one explanation presented itself. Cranston had come before him, and searched the body himself.

Dan looked about for tracks, and he was considerably surprised to find the blurred, indistinct imprint of a shoe other than his own. He hadn't the least hope that the tracks themselves would offer a clue to a detective. They were too dim for that. The surprising fact was that since the murder had been committed immediately before the fall rains, the water had not completely washed them out. The only possibility remaining was that Cranston had returned to the body after the week's rainfall. The track had been dimmed by the lighter rains that had fallen since.

But yet it was entirely to be expected that the examination of the body would be an afterthought on Cranston's part. Possibly at first his only thought was to kill and, following the prompting that has sent so many murderers to the gallows, he had afterwards returned to the scene of the crime to destroy any clues he might have left and to search the body for any evidence against the arson ring.

### An Empty Shell

Dan's next thought was to follow along the trail and find Cranston's ambush. Of course it would be in the direction of the settlement from the body, as the bullet had entered from the front. He found it hard to believe that Hildreth had fallen in the exact spot where the body lay. Men journeying at night keep to the trail, and the white heap itself was fully forty feet back from the trail on the thickets. Perhaps Cranston had dragged it there to hide it from the sight of any one who might pass along the lonely trail again; and it was a remote possibility that Whisperfoot, coming in the night, had tugged it into the thickets for dreadful purposes of his own. Likely the shot was fired when Hildreth was in an open place on the trail; and Dan searched for the ambush with this conclusion in mind. He walked back, looking for a thicket from which such a spot would be visible. Something over fifty yards down he found it; and he knew it by the empty brass rifle cartridge that lay half buried in the wet leaves.

The shell was of the same caliber as Cranston's hunting rifle. Dan's hand shook as he put it in his pocket. Encouraged by this amazing find, he turned up the trail toward Hildreth's cabin. It might be possible, he thought, that Hildreth had left some of his testimony—perhaps such rudely scrawled letters as Cranston had written him—in some forgotten drawer in his hut. It was but a short walk for Dan's



hardened legs, and he made it before mid-afternoon.

The search itself was wholly without result. But because he had time to think as he climbed the ridge, because as he strode along beneath that wintry sky he had a chance to consider every detail of the case, he was able to start out on a new tack when, just before sunset, he returned to the body. This new train of thought had as its basis that Cranston's shot had not been deadly at once; that wounded, Hildreth had himself crawled into the thickets where Whisperfoot had found him. And that meant that he had to enlarge his search for such documents as Hildreth had carried to include all the territory between the trail and the location of the body.

It was possibly a distance of forty feet, and getting down on his hands and knees, Dan looked for any break in the shrubbery that would indicate the path that the wounded Hildreth had taken. And it was ten minutes well rewarded, as far as clearing up certain details of the crime. His senses had been trained and sharpened by his months in the wilderness, and he was able to back-track the wounded man from the skeleton clear to the clearing on the trail where he had first fallen. But as no clues presented themselves, he started to turn home.

He walked twelve feet, then turned back. Out of the corner of his eye it seemed to him that he had caught a flash of white, near the end of a great, dead log beside the path that the wounded Hildreth had taken. It was to the credit of his mountain training alone that his eye had been keen enough to detect it; that it had been so faithfully recorded on his consciousness; and that, knowing at last the importance of details, he had turned back. For a moment he searched in vain. Evidently a yellow leaf had deceived him. Once more he retraced his steps, trying to find the position from which his eye had caught the glimpse of white. Then he dived straight for the rotten end of the log.

Into a little hollow in the bark, on the underside of the log, some hand had thrust a small roll of papers. They were rain soaked now, and the ink had dimmed and blotted; but Dan realized their significance. They were the complete evidence that Hildreth had accumulated against the arson ring—letters that had passed back and forth between himself and Cranston, a threat of murder from the former if Hildreth turned state's evidence, and a signed statement of the arson activities of the ring by Hildreth himself. They were not only enough to break up the ring and send its members to prison; with the aid of the empty shell and other circumstantial evidence, they could in all probability convict Bert Cranston of murder.

For a long time he stood with the shadows of the pines lengthening about him, his gray eyes in curious shadow. For the moment a glimpse was given him into the deep wells of the human soul; and understanding came to him. Was there no balm for hatred even in the moment of death? Were men unable to forget the themes and motives of their lives, even when the shadows closed down upon them? Hildreth had known what hand had struck him down. And even on the frontier of death, his first thought was to hide his evidence where Cranston could not find it when he searched the body, but where later it might be found by the detectives that were sure to come. It was the old creed of a life for a life. He wanted his evidence to be preserved—not that right should be wronged, but so that Cranston would be prosecuted and convicted and made to suffer. His hatred of Cranston that had made him turn state's evidence in the first place had been carried with him down into death.

As Dan stood wondering, he thought he heard a twig crack on the trail behind him, and he wondered what forest creature was still lingering on the ridges at the eve of the snows.

#### The Wolf Song

The snow began to fall in earnest at midnight—great, white flakes that almost in an instant covered the leaves. It was the real beginning of winter, and all living creatures knew it. The wolf pack sang to it from the ridge—a wild and plaintive song that made Bert Cranston, sleeping in a lean-to on the Umpqua side of the Divide, swear and mutter in his sleep. But he didn't really waken until Jim Gibbs, one of

his gang, returned from his secret mission.

They wasted no words. Bert flung aside the blankets, lighted a candle, and placed it out of the reach of the night wind. It cast queer shadows in the lean-to and found a curious reflection in the steel points of his eyes. His face looked swarthy and deep-lined in its light.

"Well?" he demanded. "What did you find?"

"Nothin'," Jim Gibbs answered gutturally. "If you ask me what I found out, I might have somethin' to answer."

"Then—" and Bert, after the manner of his kind, breathed an oath—"what did you find out?"

His tone, except for an added note of savagery, remained the same. Yet his heart was thumping a great deal louder than he liked to have it. He wasn't amused by his associate's play on words. Nor did he like the man's knowing tone and his air of importance. Realizing that the snows were at hand, he had sent Gibbs for a last search of the body, to find and recover the evidence that Hildreth had against him and which had not been revealed either on Hildreth's person or in his cabin. He had become increasingly apprehensive about those letters he had written Hildreth, and certain other documents that had been in his possession. He didn't understand why they hadn't turned up. And now the snows had started, and Jim Gibbs had returned empty-handed, but evidently not empty-minded.

"I've found out that the body's been uncovered—and men are already searchin' for clues. And moreover—I think they've found them." He paused, weighing the effect of his words. His eyes glittered with cunning. Rat that he was, he was wondering whether the time had arrived to leave the ship. He

had no intention of continuing to give his services to a man with a rope-noose closing about him. And Cranston, knowing this fact, hated him as he hated the buzzard that would claim him in the end and tried to hide his apprehension.

(TO BE CONTINUED)

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- Yearbook Separate 688, Farms, Forests, and Erosion.

## Concrete Hog Wallow



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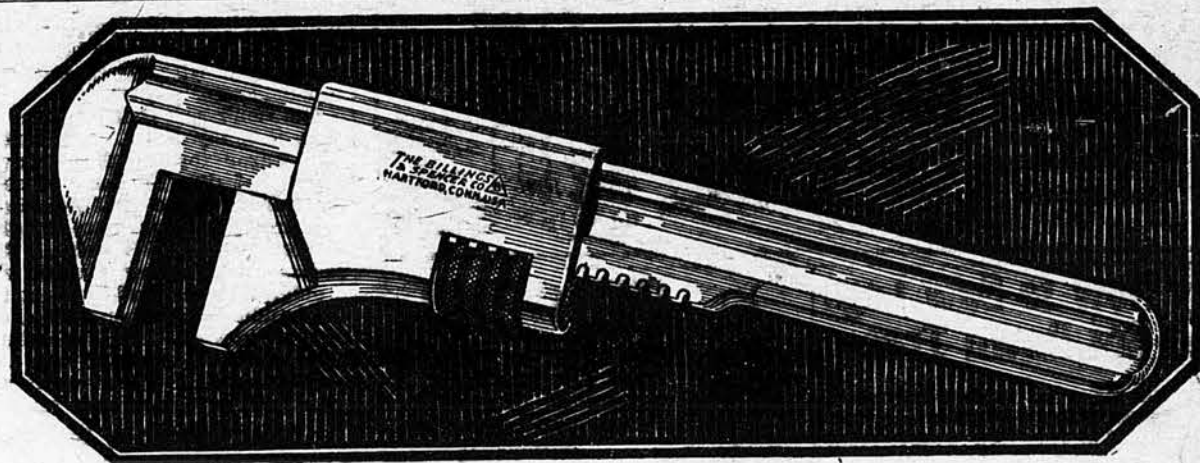
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The outfit is compact, simple, easy to handle and durable against a lifetime of hard wear. Guaranteed for reliable operation in the hands of every one who has trees to cut down and logs to saw up.

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There's a big message for you in a little folder that is yours for the asking. Real samples of the Clothcraft Serges in brown, gray, and blue will come with it. Just say "Send Serge Folder" and address:

THE JOSEPH & FEISS CO.  
624 St. Clair Ave., N. W., Cleveland, Ohio

## Are You An Agony Shaver?

Maybe You Are Using Old-Time Methods

BY CHARLES E. SWEET

IN OUR grandfathers' day when men peered at the world out of luxurious hedges, the matter of shaving was relatively as important as the airplane in agriculture today. But now in practically every man's life, a shave is a matter of paramount importance on at least two occasions.

When doubt begins to creep into the boy's mind as to whether overalls are absolutely the correct dress for Sunday afternoon, and box suppers become a real pleasure, the matter of shaving first comes up. A fuzz or down on the upper lip, usually being about as noticeable as grass on a salt lick, becomes a matter of obsession which is sure to end in a test of dad's razor. Oh, the first shave, like the first kiss, is not to be treated lightly.

After the initial plunge shaving slips into the category of necessary evils, such as massaging the cows in the interest of milk. It rises only once more to the dignity of an occasion; that is when the young man gets his final grooming before going to the altar.

#### Average Man Shaves 5,200 Times

Of course, when you consider that the average man scrapes off his beard at least 5,200 times during his lifetime, you can't expect him to make a celebration out of each event. But think of the poor fellows who just hate to shave, make a regular ceremony out of it, twist their faces into 57 varieties of shapes and undergo almost as much agony as having a tooth pulled. No wonder the children flee and the dog crawls under the woodshed when dad pulls out the old mug, limbers up the strop and claws at his head for an uprooted hair with which to test the old broadside.

Oh, don't say it isn't done! I have seen it many times, and have swiped that razor for the first shave. And after that didn't I send 50 cents to a mail order house, and promise to pay the profit in four more equal installments? Didn't I receive a beautiful razor, extra hollow ground with embroidery on the blade and statuary on the handle? And then, altho I had previously shown no bent for leatherwork, I entered upon a course of plain and fancy carving until in a few weeks my "genuine leather" strop was a failure.

#### Many Interesting Experiences

Since that date I have shaved and been shaved from opulence to penury. I have reclined in overstuffed chairs in mirrored and marbled halls, while a fashion plate in a surgeon's coat soothed the whiskers from my face, a movie star pruned and cultivated my nails, and an Afro-American in a general's uniform over-heated my corns in his attempts to transform my shoes into mirrors. Again, I have anointed my face with slough water and some stuff the army called soap, and with 10 cents worth of tin and steel, and a piece of sheet steel bearing the impressive name of "trench mirror," I have sliced away whiskers and skin.

But after all, shaving is what a man makes it. The man who makes it anything more than a rather pleasurable incident in the day's work is beating himself. He's behind the times and loading on grief to keep from catching up. In my rather extensive "adventures in shaving" I've covered pretty nearly the whole category of methods. The wife says I'm a crank on razors. Maybe I am but at present I have depleted my stock to one good broadside and two good safeties. I have tried various soaps in the old mug, powders, sticks, creams, and patent cream preparations.

#### Shaving Cream is Best

What do I use now? Well, I use a shaving cream and a safety razor nine-tenths of the time. The tenth time I use the old broadside, not that it shaves any better, but because it is a fine piece of steel and I have time to devote to that kind of a shave.

It takes less than 10 minutes all told for the operation. A minute or two to get out the tools, and strop the razor; two or three minutes to soften the beard, about 2 minutes to shave and that many more to put away the things. The man who says he can't use a safety razor must show me if he wishes me

to believe him. I've seen men with beards that would make first class hedge posts use a safety razor with perfect satisfaction. The man who says he has to use hot towels is another. I haven't time to spend making a lather in a mug. I desire to have it where it will do the work—and it does!

A clean shave, like clean clothing, makes a man feel ready for work. He'll do more work, whether he is shining up blue serge in an office chair or proving that denim won't outwear a cultivator seat. If he isn't too old and sour to tell the wife once in a while that she's the best biscuit maker in the "whole darned county," he'll get a better reception. And if he isn't married, he ought to know that he does not have to scratch to see whether beauty is only skin deep.

#### Treatment for Bowel Trouble

To prevent white diarrhea and bowel trouble chicks should not be fed any solid feeds for at least 72 hours after hatching. During this period, however, they should receive sour skim-milk when taken from the incubator, and this should be kept before them all the time. In addition to the milk they should receive some fine sand which acts as grit.

When beginning to feed solid feeds, feeding should be little and often. A commercial chick feed scattered in a finely cut litter accompanied with some rolled oats or johnny cake or a mixture of these feeds with hard boiled eggs makes a very good feed for starting young chicks. Care should be taken not to over-feed them.

The house or coop containing the little chicks should be thoroughly disinfected and cleaned out at least twice a week. A 3 per cent solution of any of the common cattle dips makes a good disinfectant. All bowel trouble is not white diarrhea. In fact, white diarrhea is not as prevalent as generally supposed. Chilling, crowding or over-feeding will bring on bowel trouble, or plastering up of the rear. The remedy would naturally be to correct the cause by making sure the above named conditions are right.

It is difficult to know just when the trouble is white diarrhea or simple bowel trouble. The best practice is to kill all chicks seriously affected. The above precautions should eliminate the trouble with white diarrhea.

#### Helping Men Own Farms

An interesting book on Helping Men Own Farms has been issued by The Macmillan Company, 36 Fifth Avenue, New York, N. Y. It was written by Elwood Mead, who has charge of the land settlement work in California, and probably knows more about it than any other man in the United States. He spoke in Topeka to members of the legislature last December, on what could be done with "Farm Homes" legislation in this state. The price of the book is \$1.50; it consists of 228 pages.

Calves should be kept growing all of the time, but should be fed economically.

#### More Humor From Parsons

Harvey Parsons, creator of the Hi Hoover cartoons, has written a book, entitled *By the Way*. It consists of 95 pages of real humor, written by Parsons, from his fund of knowledge of Kansas life, and illustrated by many drawings, of a quality which only Parsons can produce. If you have a copy of this book you are certain of many hours of real entertainment. The book is printed on heavy paper, and is securely bound in boards, with a beautiful cover design by Parsons. It should be in every family library in Kansas. A limited number of copies are offered at 50 cents apiece, postpaid. Address Book Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.



## The Orchard and Garden

As the season approaches when vegetable growers will be raising young plants for later planting in the field or garden, and when home gardeners will be figuring their plant needs, it is wise to consider the best moves on this question because its right solution leads to success. It is well to pay attention to the ancestry of seeds planted. Two lots of seed of the same varietal name may give crops whose value differs by hundreds of dollars. Careful commercial growers make generous tests for a year in advance of their main plantings.

The crop of young plants should be managed in such a way that the plants need not be set out at one particular time. Gardeners know the average date for transplanting, but some years the soil or the weather continues unfavorable until weeks after this time. Rate of growth and quality of soil are deciding factors in successfully growing plants. The best plants usually have the most space in hotbed or cold frame. The records of the yields are against crowding. Space according to size of plant. Saving a penny by crowding plants may be a good policy for the custom plant grower, but the man who grows the crop to maturity loses a dime for every penny saved.

Farm Gardens will do much to cut down the high cost of living. Too many farmers buy all of their vegetables when they easily could grow all of them in the home garden. Fresh vegetables are always more palatable than canned articles. Successional plantings every 10 days will enable us to have vegetables thruout most of the year.

### A Good Location is Essential

If a person really desires to have a garden, he should not worry too much about sites, for it will be found that some success may be had on any type of soil where weeds will grow. There must, however, be sunshine at least 5 or 6 hours a day and more if possible. Leaf crops such as lettuce, parsley and chard endure more shade than others. If the soil is poor, the gardener should do all he can to fertilize and improve it. Beans and tomatoes will give some returns where other crops will not, and they are more nearly "fool proof" than others.

The ideal garden site has fertile soil, rather light and easily worked. It is well drained and has some wind protection on the north. It should be near the house for convenience in working and harvesting as well as protection against stray animals and light-fingered thieves.

### Cheap Seeds are Unreliable

Cheap garden seeds are likely to prove expensive at any price. The cost of good seeds is relatively small and the success of the garden may be jeopardized by unwisely trying to save a few cents on this item.

Altho most stores get fresh stocks of seeds every year, some do not. It is well, therefore, for the gardener to make sure he is getting not only seeds from a reliable grower but that they are fresh and dependable. Garden catalogs make excellent reading this time of year and will help one in making his selections, even if he buys most or all of his seeds, of his local dealers.

### Asparagus is Easily Grown

Early in the spring before the shoots begin to grow, clean off the refuse from the asparagus bed if you desire to get the best results.

After this has been done apply a good covering of barnyard manure, work it into the ground and this will not only add humus to the soil but it will serve to warm up the earth and start growth more rapidly.

Asparagus plants should be a year old before they are cut for food, but when once started they can be used annually to produce good healthy food. Asparagus is among the first in the spring vegetables to come up and continues to produce until the first week in June.

### Apple Trees in Some Danger

Up to date Kansas apple trees are not hurt but a continued spell of warm weather such as some parts of the state have had if followed later by a hard freeze may kill some of the buds.

Apple trees are bound to go thru a

dormant period during the winter months and will not start growth under warm conditions. In March they begin to show some activity and soon respond to warm weather. There isn't much to do but to wait and see what happens. In many ways this has been an unusual winter.

### Give Hogs Buttermilk

Buttermilk is a good feed for the hog ration, according to G. V. Glatfelter of the Iowa Agricultural Experiment station. In an average of four trials in which buttermilk was fed in limited quantity, from 2 to 10 pounds a head daily, to young growing and fattening shotes, it was found that 100 pounds of buttermilk replaced 6 pounds of corn and 6 pounds of meat meal tankage.

One group of pigs was self-fed on corn and tankage "free-choice" style; another similar group was fed exactly the same ration with the exception that it was given some buttermilk daily. Pricing the corn at 76 cents a bushel or \$27.14 a ton, the corn replaced was worth 8 cents and the tankage, at \$85 a ton, replaced, was worth 28½ cents, making the total replacement value 36½ cents; hence, 100 pounds of buttermilk in these experi-

ments was worth 36½ cents a hundred pounds.

It will be seen from this that as corn and tankage increase in price, the buttermilk becomes more valuable, while, on the other hand, if corn and tankage go down, it decreases in value. The greatest value of buttermilk comes with limited feeding. In a test when the growing pigs were given all the skim milk the pigs could possibly take, which amounted to a little more than 32 pounds daily, the corn replacement value of 100 pounds of skim milk was worth 25 cents.

Pigs relish buttermilk. Feeding it results in more rapid gains. It has proved to be our best protein supplement for pigs, being an adequate and high quality protein; and works wonders when included in the ration.

### Our Best Three Offers

One old subscriber and one new subscriber, if sent together, can get The Kansas Farmer and Mail and Breeze one year for \$1.50. A club of three yearly subscriptions, if sent together, all for \$2; or one three-year subscription, \$2.

Calves must be raised on the farm if the dairyman wishes to raise his standard of production.

## Be Comfortable!

You hard-working men don't know real comfort and economy until you wear

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## OVERALLS

They stand hard wear. They fit anyone. They reduce clothing expenses. Sixty-six sizes—all guaranteed. Your dealer can supply you from stock or by special order (in 24 hours) from BURNHAM-MUNGER-ROOT Kansas City, Missouri.

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# FARM HELP

If you want information about Farm Help that will increase your yield and cut your production costs down to where you are sure of a good profit, send for this booklet.

Use the coupon above—or a postal card will do. The new 1921 Twin City 12-20 Tractor Book has the Twin City Record on Fuel Economy—showing its average of 45¼ cents an acre—the lowest.

In brief easy-reading form it gives you details about the Twin City 16 valve in-head engine which, by thorough combustion on kerosene, delivers more than 25% beyond its rated horse-power. It tells you about the high-grade alloy steels, heat treated, and all the features which make it the tractor that is

### Built to do the work—not to meet a price

It contains illustrations from actual photographs of all kinds of farm work with the 12-20—a money saver all the year around.

Write for the booklet. See your nearest Twin City dealer. Get the facts about Twin City organization for service in every section. A Twin City user writes: "The fact that my tractor is made by a big company is worth the price again. I never have any trouble getting service."

The full Twin City line includes Tractors, All-Steel Threshers, Motor Trucks. Catalogs on request.

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# TWIN CITY

## 12-20 Kerosene Tractor with 16-valve engine



## "The Early Bird—"



If you have a hatch of chicks coming off, better be an "Early Bird" and order some Brooks buttermilk chick-starter right away. It is a pure buttermilk starting food that contains the lactic acid which eliminates bowel trouble and diarrhoea, and makes them grow twice as fast as ordinary grain chick feeds.

Ask your dealer. If he won't supply you, we will ship direct, but not less than 100 lb. sacks, \$5.00 each, or 500 lbs. \$23.75 on cars here. On receipt of 85c will send by prepaid parcels post, an 8 1/2 lb. trial order sack.

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**"BABIE" CHICK FEEDER**

Made entirely of Galvanized Steel. Rust and vermin proof. Accommodates 30 to 40 chicks at one feeding. Protects against all chick enemies. Saves Chickens and Feed. Will pay for itself in feed saved on one brood. Special introductory offer. Circulars free.

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**\$15.95 Buys 140 Egg-Champion Belle City Incubator**

Hot-Water, Copper Tank, Double Walls, Fibre Board, Self-Regulated Safety Lamp, Deep Nursery. With \$9.95 Hot-Water 140-Chick \$23.95 brooder—both for only

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East of Rockies and allowed to points West. With this Guaranteed Hatching Outfit and my Guide Book for setting up and operating your success is assured. Save time—Order now—Share in my

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That is why Continental pure bred baby chicks pay. Produced from flocks bred for high egg production. Big, vigorous and free from vermin. Leg-horns, Rocks, Reds, Minorcas, Anconas, Wyandottes, Orpingtons, etc. 16c and up. Safe delivery by parcel post guaranteed. Shipped from 40 hatcheries. One of them near you. Write for big illustrated baby chick circular.

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**Ironclad \$19.75**

THE IRON COVERED INCUBATOR  
30 Days Trial Freight Paid  
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Think of it! You can now get this famous Iron Covered Incubator and California Redwood Brooder on 30 days trial, with a 10-year guarantee, freight paid east of the Rockies.

**150 EGG INCUBATOR CHICK BROODER**

Incubator is covered with galvanized iron, triple walls, copper tanks, nursery, egg tester. Set up ready to run. Brooder is roomy and well made. Order direct from this advertisement—money back if not satisfied. Red or send for free catalog.

IRONCLAD INCUBATOR CO.  
Box 75  
RACINE, WIS.

Made of Redwood cov'd with Galv. Iron

## Capper Poultry Club

How Many Girls Have \$100 in the Bank?

BY MRS. LUCILE ELLIS  
Club Manager

NOT so very many years ago there was a little farm girl 11 years old who liked to raise chickens. Reading about the Capper Poultry club, she became interested and decided to join, so she entered 20 baby chicks in the contest. That year she sold \$13.20 worth of chickens and won a \$4 cash prize. But one year's club work wasn't enough for Helen Andrew of Johnson county, she lined up again in 1918 and helped her county leader win the pep trophy cup. In 1919 she herself was leader and in this capacity won a \$7 cash prize and a \$5 prize for lining up the most members, besides making sales amounting to \$126.64, winning a \$4 prize on her Black Langshans at the Topeka Free Fair and a \$5 prize for

and different parts of Kansas, and also sold some to my neighbors. I received many orders that I could not fill."

But here's what will interest girls raising Buff Orpingtons. Elva wrote: "I want you to tell the girls raising Buff Orpingtons that I will award a \$5 cockerel to the one who raises the largest per cent of the chicks she hatches. You may tell them that I will not compete for my own prize." This makes the third prize offer for girls in this breed club to work for. I have already told you about the trio offered by Mr. Marsh of Zeandale and the cockerel offered by Mrs. John Bowman of Hartford. Aren't there a lot of things of interest in club work?

Applications! Applications! They come in almost every mail—little white slips bearing the names of girls who wish to know about the Capper Poultry club. When I receive one of them I wonder what the girl is like who sent it, whether she will have pep enough to line up and whether she will stay in the game if she does. Sometimes the recommendation blank that I send her doesn't come back and I say to myself, "I don't believe she understands the work fully. I am sure if she realized the many opportunities which it offers, she'd line up in a hurry." Then I write to her again, for I don't want her to miss out on a good thing from lack of understanding.

Have you delayed sending in your recommendation blank? Remember, I'm still looking for it. If you do not wish to borrow money the signature of one of your neighbors will be sufficient. Get in the game, find out who your county leader is, for the pep race begins April 1—and I know you want to do your share. It's time to get those chickens entered, too, if you're to have a good chance at the prizes. Every member is given complete instructions as to the proper methods of caring for her chickens and is assisted in making sales thru the sale catalog which Mr. Capper gets out every fall.

Pep and more pep—that's the spirit that's being shown in club work this year. The girls who were members last year are getting their friends to join and these new members are talking "club" to their school mates and friends. Several new counties are coming to the front, and many of those with only one member last year will have county leaders this year. Cowley, Finney, Lyon, Morris and Saline will have leaders, while Jewell, Kingman, Geary and Graham have two members apiece and are working hard for the third one.

The following names have been added to the honor roll, making 32 maids of honor: Viola Rambo, Cowley; Ruth Stone, Rice; Mrs. Bowman and Gladiola, Coffey; Beth Becky and Vera Fairbairn, Leavenworth; Thelma Mumy, Labette; Annie Laurie Edwards, Morris; Daisy Eslinger, Harper.

Elma Parmley, R. 2, Parker, Kan., writes me that she has six Buff Orpington pullets to sell.

A house or coop made tight on three sides and enclosed on the south side with white muslin will help keep the chicks warm on cool spring days.



Helen and Merlyn Andrew.

making the best record with that breed. Pretty good, wasn't it? Now Helen is the kind of girl who knows a good business opportunity when she sees it, especially when she has already proved its worth, so 1920 found her again the leader of her county club. A \$15 trio, some good sales and a county leader prize were the fine returns she received. Yes, her name's on the book for 1921, too. Helen likes club work.

What do you think of the pretty graduating dress which is worn by Helen in the picture? "Helen bought her graduating outfit, including white kid slippers, also a winter coat, and has \$110 in the bank at the present time," Mrs. Andrew told me. Let's hear from other Capper Poultry club girls who feel that their membership has been immensely worth while. I like to read about the success of other folks, don't you?

"I must tell you what good luck I had selling chickens last year," wrote Elva Howerton of Linn county, another girl who has proved that club work pays. "I shipped chickens to Oklahoma

## Capper Pig and Poultry Clubs

Capper Building, Topeka, Kansas

Managers: Earle H. Whitman, Pig Club. Mrs. Lucile A. Ellis, Poultry Club.

I hereby make application for selection as one of the representatives of

.....county in the Capper.....Club.  
(Write pig or poultry club)

Signed..... Age.....

Approved..... Parent or Guardian

Postoffice.....R. F. D.....Date.....  
Age Limit: Boys 12 to 18; Girls, 10 to 18.

Will you have to borrow money to buy a contest entry?.....

## ASPIRIN

Name "Bayer" on Genuine



Take Aspirin only as told in each package of genuine Bayer Tablets of Aspirin. Then you will be following the directions and dosage worked out by physicians during 21 years, and proved safe by millions. Take no chances with substitutes. If you see the Bayer Cross on tablets, you can take them without fear for Colds, Headache, Neuralgia, Rheumatism, Earache, Toothache, Lumbago, and for Pain. Handy tin boxes of twelve tablets cost few cents. Druggists also sell larger packages. Aspirin is the trade mark of Bayer Manufacture of Monoaceticacidester of Salicylicacid.

## Sick Baby Chicks?

Germozone operates just as these people say. It is preventive as well as curative, and satisfaction is absolutely guaranteed. Twenty years on the market. Sold by drug and seed stores at most towns.

Wm. E. Shepherd, Scranton, Pa., wrote: "Two weeks after we started last spring we were a mighty discouraged pair. Every day from three to six chicks died. A neighbor put us next to Germozone and we are now sure if we had had it at the start we would not have lost a single chick." Ralph Wurster, Erie, Pa., wrote: "Not a case of white diarrhoea in three years." C. O. Petrain, Moline, Ill., wrote: "I never had a sick chick all last season." Mrs. Wm. Christiana, Olive Ridge, N. Y., wrote: "Have 800 chicks now 5 weeks old and not a single case of bowel trouble."

GERMOZONE is a wonder worker for cats, dogs, rabbits or other pet or domestic stock—for roup, bowel trouble, snuffles, gleet, canker, swelled head, sore head, sores, wounds, loss of fur or feathers.

If no dealer, order by card. Postman will collect. No extra charge. Handy as phonics. 75c and \$1.50 pkgs. Baby Chick Book FREE.

Geo. H. Lee Co., Dept. F-5, Omaha, Neb.

## The Cause of White Diarrhea

White Diarrhea is caused by the bacillus Bacterium Pullorum transmitted through the yolk. There is scarcely a hatch without some infected chicks. The germs multiply very rapidly and one infected chick may infect the entire brood. The germs can be killed by the use of preventives. Intestinal Antiseptics to kill the germs should be given as soon as the chicks are out of the shell. It is much easier to prevent than it is to cure.

## How to Prevent White Diarrhea

Dear Sir: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort, I sent to the Walker Remedy Co., Dept. 48, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 63c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail.—Mrs. C. M. Bradshaw, Beaconsfield, Ia.

## Don't Wait

Don't wait until White Diarrhea gets half or two-thirds your chicks. Don't let it get started. Be prepared. Write today. Let us prove to you that Walko will prevent White Diarrhea. Send 6c for box on our guarantee—your money back if not satisfied.

Walker Remedy Co., Dept. 48, Waterloo, Ia.

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# For Our Young Readers

"Ants are Wonderful Builders!" Says Jack

BY ANNA DEMING GRAY

THERE he is," whispered Dick, "on the same stump and looking down at the ground! That's just where he was yesterday."

"Do you suppose he is a burglar, or anything?" asked Don.

Jack laughed. "He's Professor Somebody. My father knows him. He's writing a book."

"He acts funny," said Dick. "Never looks up. I watched him for 10 minutes yesterday."

"I say, we'll find out what he's looking at," said Jack.

"Must be something there, for him to keep his eyes glued to the ground—come on."

As they came near, the man looked up and smiled, then raised his hand. "Step carefully, boys," he continued. "A wonderful castle is being built here."

"Why, it's an old ant hill," said Don. "I don't call that wonderful."

"You don't?" laughed the man. "Let me tell you about this castle."

"An ant's nest like this is about the most curious thing in the insect world; look at the dome, with its openings for windows. The larger one is used as a door and a bit of stone or bark is kept by to be pulled over the hole to shut the door. This nest must be 2 or 3 feet around and more than a foot above ground. Below the ground the ants are as busy as they are here, everyone doing his own work. There are more than 2,000 different branches of the ant family, and every branch is made up of queens, drones and workers. The males live but a short time, but the queen mothers sometimes live two or three years. Often there are a number of queens in the same nest, but they are always friendly with one another. Drones are not long-lived and the workers who have no sting or wings are the most important part of the family, for they are the nurses, servants and soldiers."

## Wings That "Unhook"

"But ants don't have wings," said Dick. "I have seen hundreds of them."

"You are mistaken," laughed the man. "All the different families of ants are alike in form, and they belong to the hook-wing order of insects. Their wings are on the upper side of the middle section of the body. They have two large and two small wings and six legs. The work of the queen ant is to lay the eggs. Out of every egg comes a lively baby; it is called larva. The queen is so lazy that she puts the eggs anywhere about the nest, but the workers place them in a warm dry room by themselves; when the eggs hatch the larvae are fed four or five times a day by the nurses, and when the weather is fine they are taken out into the sunshine during the day and carried back at night. When the larva is grown it spins itself a fine net and wraps up in it. These nets are called pupa cases. It is an exciting time for the whole nest when the young

ants find they are not welcome and are forced to swarm as bees do and start out and find a new home. So they spread their wings and float away. The males, which are more delicate than the others, usually die in these flights. The queen mother chooses the place for the nest, and here the ants settle down to begin the work of the new nest. They have no need for their wings now, so they unhook them and take them off. After this the queen never leaves the nest or if she tries to do so one of the workers goes after her and brings her back by force. Altho she is the queen she really does not rule, for each ant seems to go his own way, know his own task and do it."

"And their houses?" reminded Jack.

## Mrs. Ant Helps, Too

"The queen ant works at the new hill until the little ants get strong enough for work and then she does not work more, but grows fat and lazy. Mrs. Ant digs much as a dog after a bone. She puts her head down and digs away with her front feet, throwing the dirt between her back legs. Soon a tunnel is made and she rolls the soft earth into balls and carries it out. Every little while she stops, cleans up, takes a lunch and a nap and then goes on with the work again. The tunnel or hall is several inches long with rooms made to open out of it. The ants press the earth until it is hard and smooth on the floor, ceiling and walls and often they cover it with a sticky soil, so it will not fall. Some ants build their nests wholly beneath the surface, and work only after sunset. The walls, pillars and arches are made of soft clay, and every ant brings a small morsel at a time and adds it to the rest, smoothing and patting it into place. Sometimes there are not enough workers for the task, and what do you think they do?"

"Advertise!" guessed Don.

"No," replied the man, "they call a band of their soldiers and send them out to raid a neighboring ant hill; the ants march away, two by two, as real soldiers would, and when they reach the strange hill, they make a rush and capture as many of the ants as they can and carry them away for slaves. Often the strange ants resist, and there is a battle, and many are killed. In the new nest, the captured ants are treated kindly and soon seem content to work for the new masters."

"There are several kinds of ants, but that'll have to be another story," said the man.

"Ants are wonderful builders!" said Jack.

I like the Mail and Breeze fine. I like the children's page best.

Fern L. Livengood.

Kanorado, Kan.

"Work freely done shall balance happiness fully enjoyed."—Browning.

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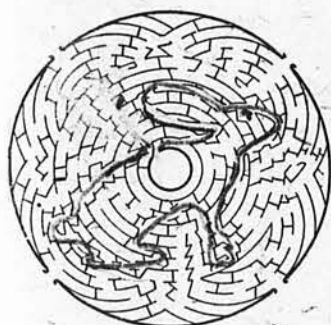
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are such as must appeal to those who wish to improve their circumstances and at the same time live in a country of delightful climate, magnificent scenery, varied resources, progressive people and abundance of opportunity for development. British Columbia—the playground of America—is already famous for the production of its orchards, fields and dairies. Now, is the time to

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Canadian Government Agent.

# Can You Find the Animal?



SO MANY boys and girls liked the "elephant" puzzle which we had on our page a couple of weeks ago that we are using a similar puzzle this time. The answer isn't an elephant, tho; it's a much smaller animal. Start at the upper left-hand corner and, without crossing a line, trace in until you have drawn a well known little animal. What is it? To the first six boys and girls answering correctly we will give packages of postcards.

The boys and girls who won the postcards for the March 5 puzzle—An Alphabet Rhyme—are Agnes Hamil, Edith Wellborn, Cecil McClure, Viola Dunn, Oliver Hayes

and John McClure. Here is the correct rhyme:

There is a farmer who is wise  
Enough to take his ease,  
And study nature with his eyes,  
And think on what he sees,

He hears the chatter of the jays,  
As they each other tease,  
And sees that when a tree decays,  
It makes a home for bees.

A yoke of oxen will he use  
With many haws and gees,  
And their mistakes he will excuse  
When plowing for his peas.

He little buys but much he sells,  
And therefore little owes,  
And when he hoes his soil by spells,  
He also soils his hose.

# Kansas Farmer and Mail and Breeze

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# Our Kansas Farm Homes

Mrs. Ida Migliario  
—EDITOR—

## A Place for the Mirror

BERTHA L. SMITH

"Oh you old tattle-tale, you!" "Wherefore speakest thou?" said Auntie in a surprised voice as she appeared at the living room door.

Eight-year-old Gertrude stood before the full length mirror in the cloak-closet door, frowning upon her tumbled hair and soiled and crumpled apron.

"It's an old tattle-tale, so there!" she said. Every time I come in the hall it tells all about me. It makes me mad—sometimes."

"Surely it does," agreed Auntie. "I've found that out myself. But just remember, Gertrude, it tells good



tales as well as bad ones. It never exaggerates. It shows just what it sees."

So it remains the "tattle-tale" in this farm home vocabulary. And it has proved one of the most efficient of modern conveniences. When the old colonial farm house was remodeled last year, a set-in porch at the side of the house was made into a hall. From this hall there opens a stairway and a spacious closet for outdoor wraps with entries to the living room at one end, and to the kitchen at the opposite corner. It was into this closet door that mother placed the mirror which gives a full length view of the person passing or confronting it. And mother planned better than she knew. Many a step falters before the evidence of the tattling mirror and turns toward the stairway or back into the kitchen for readjustments before proceeding to the front part of the house.

Even Bobby, when confronted with soiled overalls, or dirt-crusted shoes, or streaked face, will sometimes change his course. Mother's apron has been tossed back into the kitchen before she proceeded to answer the bell.

Father, coming in tired out with the daily labor and seeking the nearest route to the comfortable couch or the big easy chair, hesitates at the evidence of the mirror, stops, then slips off his dirty shoes for the slippers right at hand in the closet, and thrusts his arms into the clean coat hanging on the first hook.

When the farm house is remodeled it will pay any house mother to find a place for a mirror. It will save much dirt in the living room and will improve the appearance of the entire family.

## Little Confidences

It should be the aim of every mother to have the confidence of her daughter. This confidence must be mutual and begin at the cradle, for when the relationship is once lost it cannot be restored. Sometimes I believe we think too much of keeping the house immaculate to be good mothers. We feel that the housework must be done regardless of tired nerves and bodies, hence we are not fit to be good companions for our girls.

Our children are our most valuable assets, so we should be a successful mother first and let all other demands

be secondary. In after years it will make little difference whether we went to a certain club meeting or that the housework was always done on schedule time, but it will be of great importance how the daughter was reared.

We must play as well as work with our children. It pays to be interested in all their recreations and enter as much as possible into the spirit of their play. Take a jaunt with them occasionally. It has been my experience that these are always auspicious moments for little confidences. Then, too, if mother is interested in daughter's playtime, daughter in turn becomes more interested in the home duties. Wholesome work and play are good for both.

We should be absolutely frank and honest with the daughter. If there is a shade of doubt in her mind as to our honesty, she will not confide in us. We usually get what we give in this respect. And to lose this trust is often the beginning of serious trouble in later years. We are likely to depend too much upon the daughter's judgment to steer her safely without our advice. There is not enough concern on our part as to her whereabouts and associates. We should never deceive ourselves into believing that she is wise enough to be independent of our advice and counsel.

I decided from the first that I would not tell my little daughter a falsehood to evade her questions. When she was 6 she became suspicious about Santa Claus. I told her the truth, that the parents provided the gifts and that what people call Santa Claus was the Christmas spirit. She followed with another shower of questions until she was satisfied and happy. This didn't spoil her Christmas. She was more interested than ever. The same holds true with the sex question. Be honest and never ridicule or shame a child into silence. If too young, tell her to ask again when she is older and can understand. The child will respect you more for being honest. We should prepare our children for every step in life, and above all, make the home life happy so that they will have a carefree, wholesome childhood.

Mrs. W. H. P.

## Third Duty of School Board

Do you know what kind of water your children drink at school? Do you know whether it is pure or otherwise? Do you know how the children drink it? In other words, is it safe for your children to drink water away from home?

A school board's duties are not performed when it "hires and fires" the teachers. A board which does not see that the school water supply is as pure as it is possible to have it is not deserving of the office. If there is any doubt at all concerning the purity of the water, it is a simple matter to have laboratory tests made of a sample

to determine whether it is fit to drink. Once the school has been provided with pure water, it devolves upon the teacher to see that it is properly handled and kept free from contamination. Where pumps are still used, as they are in some rural districts, it is a common sight to see boys quenching their thirst in the time-honored manner of putting their lips against the mouth of the pump and slowly pumping a small stream directly into their mouths. Anyone can see that there is imminent danger of germs being left on the pump, and it is scarcely conceivable that the cold water flowing over the mouth of the pump will wholly wash away those germs. The teacher should warn against such methods of drinking and be constantly on the lookout for any child who disregards her warnings.

Individual drinking cups should be in every child's possession and should be used by the owner alone.

If no pump or no running water is within the school gates and it is necessary that water be brought from some adjacent farm and kept in a water pail, every precaution should be taken to keep the water clean. The pail should be kept covered except when water is being taken from it. The individual cups should never be dipped into the water with the consequent dipping in of grimy little hands, but a long-handled dipper should be provided to dip the water from the pail into the cups. A child should never be allowed to put his lips to the dipper.

Every father should see that his farm is provided with the best water supply available; every mother should see that the water, once drawn, is kept free from contamination. And every parent should consider it his individual problem to inquire into the water supply of the school his children attend.

Mrs. Margaret A. Bartlett.

## If You Need New Curtains

Soft materials such as net, scrim and silk are adapted to use over the glass in the front door. Hem the material at both ends and draw it in straight folds from the rod at the top to one at the bottom. The hem at the bottom of the curtain need be of no particular width, altho 2 inches is the depth preferred usually. The bottom of the curtain should touch the bottom of the board which supports the sill, or the top of the sill.

When windows are broad and low, Dutch curtains are charming. There are two curtains; one is fastened on a rod at the top and falls just over the top of the frame of the lower sash, covering the lower curtain which is fastened to the frame of the lower sash and reaches to the top of the sill. When the window is pushed up, the lower curtain goes with it, giving an unobstructive view to the person inside, and a chance for the air to come in freely.

## Try to Be the Fellow That Your Mother Thinks You Are

While walking down a crowded city street the other day I heard a little urchin to a comrade turn and say: "Say, Jimmie, don't yer know I'd be happy as a clam if I only was de feller dat me mudder t'inks I am."

"She t'inks I am a wonder, and knows her little lad Would never mix wit' nothin' dat was ugly, mean or bad. I often sit and t'ink how nice 'twould be, gee whiz! If a feller was de feller dat his mudder t'inks he is."

So folks, be yours a life of toil and undiluted joy. You still can learn a lesson from the small, unlettered boy; Don't try to be an earthly saint, with eyes fixed on a star—Just try to be the fellow that your mother thinks you are.

—The Monitor.

## Making 12 O'clock Welcome

BY JOSEPHINE BUSSETT

Do you remember when you went to school and had to carry your dinner pail? Did you look forward to lunch time or did you hate to have 12 o'clock come because you didn't like the cold, dry sandwiches with nothing to wash them down? The slogan, "Something fat and something fibery, something sweet and something savory," is good to follow in the filling of the lunch box.

Rolls are excellent for the school lunch. They have a great deal of crust which is good to sharpen little teeth. Remember the children the next time



you bake bread and make a few rolls. Finger rolls are the best, for when they are opened and the crumbly insides are removed, there is ample room for the filling. Boston brown bread combined with lettuce or cottage cheese, makes not only dainty sandwiches but wholesome and appetizing ones. When you bake the next brown bread, put a little dough in a small baking powder tin for the children's lunch the next day.

Crackers and zwieback are good but crumbly and difficult to eat. They are best packed in a small tin box to keep them dry. Try putting some jelly or jam between these and see how the children relish them.

The best foods to substitute for meat are milk, eggs, cheese, nuts or beans. The most important of these is milk. It is tissue forming and makes good teeth and bones. Meat, if used, should be sliced thin or chopped and mixed with a salad dressing. There are few foods that cannot be mixed with salad dressing to make a good sandwich filling. Eggs are the easiest and best "meat" to prepare for the lunch.

The fibery foods are those which do not dissolve in water. Under this class come the fruits without which no lunch is complete. Apples, oranges, pears, peaches, berries, prunes, raisins, dates or figs are desirable.

Cake often serves as the sweet which seems to be necessary to top off the lunch. The next time you make one, bake some tiny cakes in attractive shapes for the children's lunch.

In some modern schools there are lunch rooms where the children are allowed to heat food. It is easy, then, to include a small can of broth, tomato soup or vegetable soup to be used as the liquid in the lunch. If your school does not have this advantage, some other liquid such as milk or grape juice will have to be used.

With the lunch all planned comes the question of packing it. Paper napkins and oil paper are a boon to the lunch packer. Sandwiches and cakes wrapped in oil paper keep moist and the paper keeps the foods from mixing. The basket problem has to be solved next. But one has plenty of choice now-a-days for the market offers many types of attractive sanitary lunch boxes.

Two essential points in lunch packing are neatness and attractiveness. Messy food never creates an appetite and it is the appetite for these noon meals that we should cultivate.

Before you fry potatoes dust them with flour. They will brown better and the flavor will be much improved.



# Latest in Spring Modes

Dresses Suitable for Bride or Graduate

BY MRS. HELEN LEE CRAIG



THE spring bride and the graduate are interested in the newest spring styles. The bride, living in practical day and age doubtless will wish to choose a dress which will be of some service after the wedding. Any of these models are fashionable as they are not extreme and may be worn as party dresses after the wedding. They also give an opportunity for using bits of old lace from mother's or grandmother's wedding dress.

Veils are not a necessity for the bridal costume but are the bride's right if she cares to wear them. And sometimes there are old veils worn at other weddings that the bride wishes to use with her costume, just for memory's sake. White kid pumps may be worn by either the bride or the graduate with these costumes but should either consider white impracticable, black satin or black patent leather would do as well.

Organdie, Canton crepe and crepe de Chine are the materials preferred by the bride and graduate, and any of these designs will work well in these materials.

Style No. 9558 would make up well in tory satin and silks as well as the other materials. A long graceful drape is given to the skirt over which is worn a peplum blouse with short sleeves. Sizes 16 and 18 years and 36, 38, 40 and 42 inches bust measure.

9736—Women's and Misses' Dress. White or colored organdie may be used to advantage in this dress. Soft lustrous charmeuse would be good also.

The bodice is surplice and made with short kimono sleeves. A V-shaped vestee edged with dainty lace or small pearls is another feature. Sizes 16 and 18 years and 36, 38, 40 and 42 inches bust measure.

9074—Women's and Misses' Dress. A bit of lace from mother's wedding gown would provide the trimming for this dress of crepe de Chine. A wide crushed girde forms a part of the bodice which is worn over a fluffy skirt. Sizes 16 and 18 years, and 36, 38, 40, 42 and 44 inches bust measure.

9741—Women's and Misses' Dress. Georgette, crepe de Chine, taffeta or satin would make this dress. The side of the waist and tunic are in one, which simplifies the making. A crushed girde of the material passes thru slashes in front and ties softly at the back. Sizes 14, 16, 18 and 20 years.

9599—Girls' Dress. This dainty frock may be worn by the flower girl. The use of pale shades with a blending shade of ribbon for binding the scallops is the only necessary trimming. Sizes 6, 8, 10, 12 and 14 years.

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

Real success depends upon doing the right thing in the right place at the right time.

**REMEMBER** to ask your grocer for Calumet Baking Powder and be sure that you get it—the Indian head on the orange label. Then forget about bake day failures. For you will never have any. Calumet always produces the sweetest and most palatable foods. And now remember, you always use less than of most other brands because it possesses greater leavening strength.



Now Remember—Always Use



**CALUMET BAKING POWDER**

There is no waste. If a recipe calls for one egg—two cups of flour—half a cup of milk—that's all you use. You never have to re-bake.

Contains only such ingredients as have been officially approved by U. S. Food Authorities, is the product of the largest, most modern and sanitary Baking Powder Factories in existence.

Pound can of Calumet contains full 16 oz. Some baking powders come in 12 oz. instead of 16 oz. cans. Be sure you get a pound when you want it.

Calumet Columbia Muffin

Recipe

—4 cups sifted flour, 4 level teaspoons Calumet Baking Powder, 1 tablespoon sugar, 1 teaspoon salt, 2 eggs, 2 cups of sweet milk. Then mix in the regular way.

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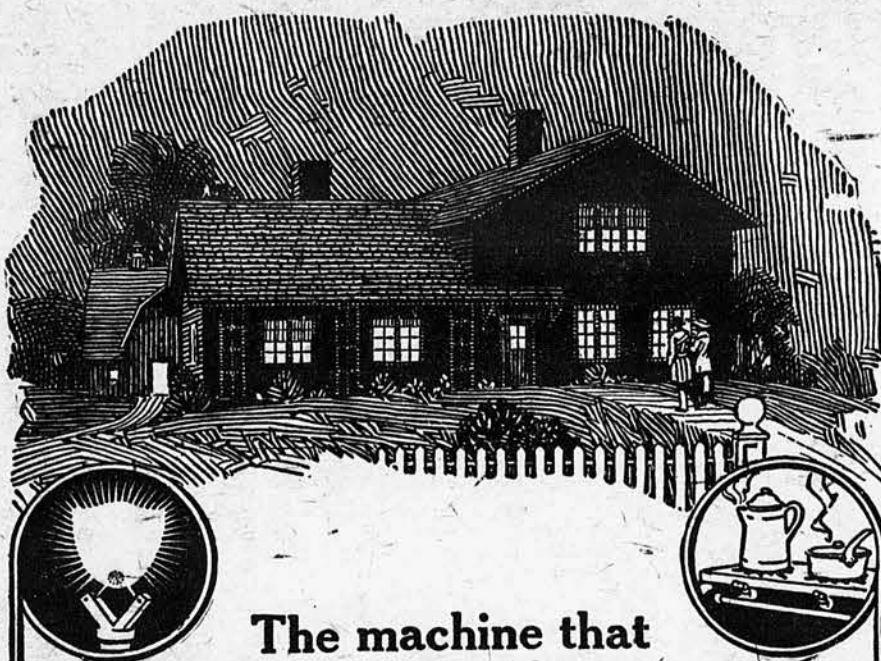
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There is nothing like passing a good thing along, so as soon as you have read Kansas Farmer and Mail and Breeze, pass it along to your neighbor. It will be appreciated.

If you are not now a regular reader of Kansas Farmer and Mail and Breeze, now is the time to send in your subscription order. It will come 52 times for a dollar; 3 years for \$2.00.





## The machine that moved the city to the country

**J**UST a simple little machine for mixing crushed stone and water to produce fuel and light. But what a machine! This marvelous mechanism is known as the Colt Carbide Lighting-and-Cooking Plant.

It brings carbide (crushed stone) in contact with plain, ordinary water automatically. The gas generated thereby makes the *hottest* cooking fuel known; it makes soft, mellow light that has been called "the chemical counterpart of actual sunlight."

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It will take the heat and drudgery out of the summer kitchen by substituting clean carbide-gas for sweltering coal and messy oil. It will put man-made sunlight in every room in the house, barns, outbuildings, drives.

It will give you every advantage of city cooking and lighting wherever you live, and at a cost so low as to be negligible.

There is no waste with a Colt plant. An automatic shut-off control suits the supply to the demand. The residue of the devitalized carbide is slaked lime, valuable for fertilizer or white-washing.

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C-1-21

## Farm Home News.

BY MRS. DORA L. THOMPSON

Some very pretty and serviceable spreads for beds were in the process of being made when we saw them. The basis for each was unbleached muslin. Blue chambray or gingham, cut in scroll designs, was neatly sewed onto the muslin. In one, corners were made; in another, the corners were connected with a strip of the color. We saw a spread similar to these in use. It had a Persian material applied upon the muslin.

The work on the spreads we saw was all done by hand, but a busy mother could use the sewing machine if she saw fit and secure as serviceable a spread. Smaller sized designs were applied onto dresser scarfs, box covers and cushions. Window draperies in one room were of the material used in the design.

"Why do you not suggest my potato balls to readers of Kansas Farmer and Mail and Breeze?" asked a reader whom we met recently. "Most women," she added, "limit their ways of using cooked potatoes to frying in fat or cream. For mashed potatoes, I like the potato balls best. This is the way I make them: I use 1 cup of flour, 1 pint of mashed potatoes, 1 teaspoon of baking powder and 2 eggs. These are mixed together, shaped in long rolls and sprinkled with flour and fried in hot lard."

About the best way to sweeten the fruit that was canned during the sugar shortage is to boil the juice with sugar enough for the can of fruit. Then add the fruit to the hot sirup. A neighbor says she has found the addition of a glass of melted jelly is an improvement to the half-sweetened fruit.

One way of saving daylight or lamp light that is practiced by a friend is to mix a considerable amount of biscuit and griddle cake materials so they are ready to bake by adding the milk. When kept in a cool place, in well covered containers, the flour, shortening, salt and baking powder are as good for biscuits as when freshly mixed. Pancake flour, which so many buy already prepared, could be mixed at home with little trouble. Boxes that have contained breakfast food make excellent containers for such a mixture. To flour, salt and baking powder or soda, used as a mixture, one has only eggs and milk to add.

An unusual Christmas gift that came to us is such as would be suited to other occasions for gifts. It consisted of a box of cards, no two alike, with envelopes to match. Some of the cards are engraved congratulations for weddings, some for births, and some for different holidays. The box promises to be a treasure-mine for one at some distance from good stationers. Much of the value of the box is due to the excellent selection made by the owner of the bookstore.

We have read that rugs may be cleaned over old bed springs. A trial has convinced us that the claim is well founded. When one sweeps or pounds rugs on the grass or on a clothes line, much of the dust goes from one side to the other. Over an old cot or bed springs, the dust falls to the ground.

### Vegetable Garden Party

BY MRS. HARRIET MOORE

"Come to my garden party Wednesday afternoon; I shall provide rakes and hoes. Bring a package of seed of your favorite vegetable and your choice recipe for preparing it, wrapped so others cannot tell what it is," was the delightfully suggestive invitation a farmer's wife gave to her friends late in April one year.

The hostess met the guests at the door with a market basket for the packages of seed. The seed exchange was made by drawing from the basket. Some women had bought seed, others brought from home supplies of choice varieties. There was a lively discussion when the recipes and the names signed to them were read aloud by the persons drawing them.

"Market Basket" was a new version of the child's game of fruit basket. The hostess gave each guest the name of a vegetable from the index to a seed catalog. There was one less chair than there were players in the circle. The extra player was "it." She stood in

the center and called rapidly, the name of a vegetable three times, as "onion, onion, onion!" "Onion" tried to say her name once before the third call was finished. Failing, she was "it." Occasionally the one at center called, "Market basket upside down!" Then there was a jolly scramble to change chairs, and the one left standing was "it."

When all had been stirred by this lively game, five captains were appointed and they in turn chose six followers. Each group was told to present a vegetable charade. Some given were cantaloupe, spinach, potato, beet, and cucumber.

Everything on the menu was from a vegetable source—baked bean sandwiches, potato salad, cucumber pickles, pumpkin pie and cocoa.

## Women's Service Corner

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

### Refinishing a Dining Room

The woodwork in my dining room is painted dark cherry or mahogany. I wish to paint it a light buff or light green and should like to do it without removing the old paint. How can it be done to obtain the best results?—E. L.

The best way would be to sandpaper the woodwork in order to get a smooth surface. Then apply several coats of paint of the desired color.

### Cream Cookies

I have lost my cream cookie recipe and would appreciate it if you would print one giving 1 cup of cream as shortening.—Mrs. J. B.

Beat 2 eggs; add 1 cup of sugar, 1 cup of thick cream and 3 cups of flour mixed and sifted with 3 teaspoons of baking powder. Then add 1 teaspoon of salt and 1 teaspoon of vanilla. Chill, shape and bake. One-half cup of caraway seeds may be substituted for 1 teaspoon of vanilla if desired. Bake over a high flame.

### Removing Letters from Linen

I should like to have you print a method of removing black letters from linen. I have tried many remedies but have had no success.—S. A. R.

If the stains are from India ink try removing them with alcohol. If they seem to be indelible ink stains, use cyanide of potassium, oxalic acid, lemon juice or Javelle water. Or make a stiff paste of talcum powder and buttermilk, cover the spot and leave two days; rinse with pure water. Repeat if necessary. If the stains are printer's ink use either turpentine or pure benzine or butter. If you use butter, allow it to remain on the stain over night, then wash.

### Correcting Oily Hair

My hair has too much oil in it. What can I do to remedy this condition?—Miss H. G. E.

There are so many conditions that might cause an oily scalp that it is best for the individual to go to a specialist and have him prescribe a tonic to meet her needs.

### Books on Astronomy

Some months ago you answered an inquiry about books on astronomy. Will you please reprint this information?—A. E.

"The Pith of Astronomy," by S. G. Bayne, published by Harper Brothers, New York, and "The Essence of Astronomy," by Price, and "Things Everyone Should Know About the Sun and Moon and Stars," by Garrett P. Serviss, published by the Putnam Publishing Co., New York, are the books we recommended in our paper a few months ago.

### Information About Telegraphy

I should like to learn telegraphy. Are there any books from which I could study it at home? Is this a paying occupation for a woman?—Miss Dye.

I would suggest that you go to a school of telegraphy as that is the quickest and best way to learn the trade. Books on the subject can be obtained from Hinds and Noble, Book Dealers, New York City. Information concerning the trade and books on the subject also may be obtained from the A. T. & S. F. Railroad Co., Telegraph Department, General Office Building, Topeka, Kan. Quite a number of women have found this a profitable occupation.

Mothers will find union-all the best play suits for boys. They wear well and launder easily. And have you seen the shoes with metal caps at the toes to prevent scuffing?

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# Health in the 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.

## One Successful Case

A few years ago there was great interest in the medical profession about an apparently sure cure for pyorrhea. Certain doctors experimenting with Emetin hydrochloride found excellent results. At once it was announced everywhere as a sure cure for pyorrhea, much against the advice of the original investigators who insisted that it was useful only in certain cases in which the mouth was invaded by the protozoa called Endameba buccalis.

In such cases the teeth were often loose in their sockets, bled easily and much pus was present. The cases that responded favorably to the treatment did remarkably well. But trouble arose because it became the craze to apply the Emetin treatment to all cases of pyorrhea, regardless of fitness. So it was soon discarded.

I am reminded that the treatment is just as good as ever in suitable cases by a letter from a subscriber who wishes to pass along the help given in his family.

Mrs. K. and myself feel so good about her experience that I thought I might do some one a favor by telling of the treatment she took for pyorrhea. About five years ago Mrs. K's teeth were in such condition that she could not bite any hard substance for fear of losing some of her front teeth, they were so loose that they could be wiggled easily with the fingers. Her dentist strongly advised having them replaced with false ones.

About this time I read an article which stated that an eminent doctor had had gratifying results by the use of Emetin. We had our doctor order several treatments and in about three months the teeth became a little firmer and in a year they were as firm as they had ever been and today, after five years they show no signs of disease except that the gums did not grow up as high on the teeth as before.

This treatment was taken by hypodermic. W. M. K.

## Questions and Answers

Please tell me whether I should have my wisdom teeth pulled out? Do they affect the nerves? I have diseased tonsils. Should I have them taken out? I am 40 years old. MR. M.

If your wisdom teeth have erupted properly I see no reason for having

them pulled out. If you have diseased tonsils they should be removed, regardless of your age.

## Nervous Trouble

I have been sick for two years, and have to take care of a baby. My nerves are in terrible condition. Do all people get well from this and what food must I eat to gain strength? Is it best to work or rest? Would a nerve tonic be good to take? K. L.

Under such a strain it will be impossible to get well without being given relief from work and worry. I think that is your chief requirement. If you cannot get it at home you should go away from home. Absolute freedom from responsibility and stress of any kind for six months will make a new woman of you.

## A Peculiar Case

Please tell me why my flesh is so sore all the time. Even the jar from walking makes it hurt. I have to take a physic every day. After eating I suffer from bloating. I sleep well but dream a great deal. P. F. J.

Probably you are the victim of auto-intoxication or self poisoning from inactivity of the bowels. Taking physic is just a makeshift. You must get both diet and evacuations thoroughly regulated.

## A Suppurating Wen

I have a lump on the back of my head. It has been there about 15 years. Until about two years ago it was about the size of a pea, but recently it often swells up larger than the end of my thumb and feels as if it is full of pus. It stays that way a few days then goes back to the size of a pea again. Is it possible that it is full of pus which passes off into my system? Should I have it taken off? S. C. L.

This is probably a suppurating wen. It fills up under special aggravation and either draws off imperceptibly or is absorbed. It should be removed. Any doctor can inject a local anesthetic and remove the growth painlessly in a few minutes. The fee is not likely to exceed \$5 at the most.

Another important reason for having this done at once is the possibility that it may become malignant and give very serious trouble.

## Chocolate's Effect on Complexion

Please tell me whether it will make the skin yellow if one drinks a cup of hot chocolate every morning. MISS E. M.

No. The only foundation for the idea is that excessive use of chocolate and sweets spoils the complexion.

# Real Book on the Rural Laws

Why Not Know the Farm Rights Which You Have?

BY TOM MCNEAL

I RECEIVE so many letters asking for advice on legal subjects that it has occurred to me that every farmer ought to be supplied with a book which will give information in compact form and in language which is easily understood. Of course every man is not supposed to be a lawyer, but our laws are based on the theory that every man knows the law and if he unwittingly violates a law it would be no defense for him to urge that he did not know that he was violating a law.

Every individual too in the course of his life must necessarily enter into contracts of different kinds. You cannot buy or rent property without entering into a contract and it is of advantage to know what your rights are, and what the rights of the person with whom you make the contract are.

I have discovered from experience and from the vast number of letters written me, that people are quite likely to get into trouble before they ask for advice and in many cases the trouble might have been avoided if both parties to the contract or whatever the matter involved may be, had clearly understood at the beginning what their rights were and what they should have done.

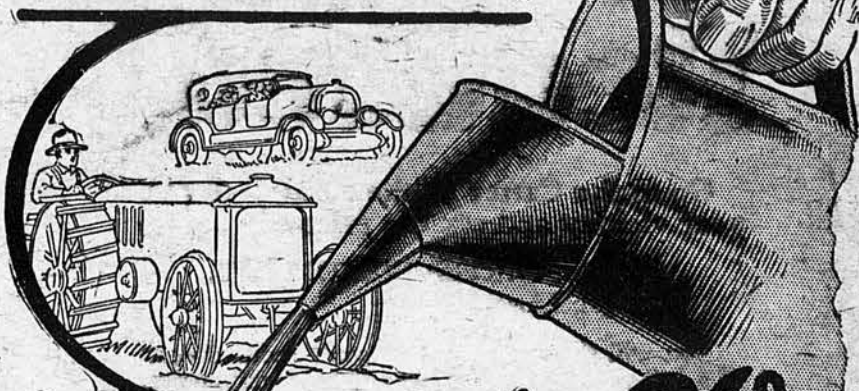
I think the most convenient and most comprehensive little book that has been brought to my attention is one called the "Vest Pocket Lawyer." It was prepared by a lawyer and evidently a competent one. The information is stated in language that any person of ordinary intelligence can understand easily. The illustrations are interesting and at the same time

plain. It devotes more than 30 pages to the subject of contracts; defines the different kinds of contracts, written, oral and implied. It devotes a number of pages to the subject of agency, showing what the powers of an agent are and how the principal is bound or is not bound, as the case may be, by the actions of his agent.

The law of torts is clearly but briefly described. I might say here that the meaning of the legal term tort, is a wrong. This includes the wrong of trespass and this is a question that frequently arises out in the country. What constitutes trespass is shown clearly and when a man has a right of action against another for trespassing on his property. The little book treats briefly, yet comprehensively of corporations, negotiable instruments, notes and mortgages, domestic relations, marriage and divorce, deeds, life estates, wills, and the like. In short if you get this book and study it carefully you will know enough law or should know enough so that you will know about what your rights are in almost any kind of a transaction in which you may engage. In the back of the book are a large number of useful forms.

The book is about 2½ by 5 inches in size, is bound in cloth, contains 349 pages and can be obtained by sending 50 cents to the Book Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan., with a request to send you copy of "The Vest Pocket Lawyer." If you do not say after examining the book that you have gotten the worth of your money, return it and get your money back. This is surely fair enough.

# Drain off the old oil from Your Motor—Refill with fresh



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For Every Motor Use

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While it is true that the adding of new oil to the old from time to time, suffices to keep the motor running without a complete change of oil, it is not sufficient for proper lubrication. The old oil gradually grows thinner, carbon forms and accumulates, resulting in serious damages, and unexpected repair bills.

Oil—good oil—En-ar-co Motor Oil—is the smallest expense of any motor. This Scientifically Refined Oil in connection with White Rose Gasoline and En-ar-co Gear Compound will give you best results at the least expense.

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Another suggestion: The demand for CARTER WHITE LEAD was never so great as it is this season. The supply is large, but not unlimited. If you get yours now you will not be forced to accept a substitute nor put off painting until your dealer can get it for you.



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# Dairy-Activities-Problems

BY J. H. FRANSEN

WHILE the United States Department of Agriculture reports an amazing shrinkage of farm products during the year 1920 amounting to 5 billion dollars, it is of interest to note that dairy products actually increased 311 million dollars.

Economic students have long known that thru a period of years, the dairy cow always can be counted upon to yield better and more certain returns than can be obtained from other systems of farming. The dairy farmer has many pay days during the year, and his ready cash is doing much to relieve the present financial condition, and thereby bring our country back to normal conditions.

## Dehorn the Calves Early

The removal of horns from dairy cattle is a practice which is to be commended under most conditions. In the show ring it usually is considered that well shaped and polished horns add to the appearance of animals so that dehorning is seldom practiced in show herds.

When calves are 3 to 5 days old, or as soon as the developing horns can be felt, the horns should be destroyed by means of caustic potash. This treatment is much more convenient to apply and causes less shock, than dehorning after the animal is more mature. In performing the operation, first cut away the hair around the base of the horn by means of a scissors, moisten slightly one end of a stick of caustic potash which has been wrapped partially in paper to protect the hands of the operator, and rub the caustic potash on the horn, being careful that none of the caustic gets on other parts of the skin or near the eyes of the calf, as it burns severely. The caustic will destroy the horn, leaving a slight depression. If a scab does not form within a few days after applying the caustic, repeat the application.

## Some Minnesota Dairy Records

Many Minnesota dairy cows made brilliant records in January, M. H. Fohrman, superintendent of official testing in Minnesota, reports that of 669 cows in the yearly test division, 110, or 16.5 per cent, produced more than 4 pounds of butterfat in two days. This list is longer than that of any preceding month. Eighteen cows produced more than 5 pounds of butterfat in two days.

"The amount of seven-day testing," says Mr. Fohrman, "took a decided jump upward, and along with the increase in numbers we had improvement in quality. Of 197 records finished in January, 81 produced more than 20 pounds of butter. This is 41 per cent of the total, or nearly half. There were 19 records of more than 20 pounds of butterfat in seven days."

The reports of cow testing associations for January are right in line with the records of performance cited by Mr. Fohrman. A dairy queen owned by Stensrud Brothers of Montevideo produced 106 pounds of butterfat during the month; second to her was a cow belonging to Marlow & Randall of Mankato with production of 93.71 pounds. There were many other high scores, all showing what good care and feed will do.

## Milking Time

It is pleasant to know that milking time to many boys of today is not nearly so disagreeable as it was years ago; but there still is need for improvement, and the industry certainly warrants and can well afford agreeable surroundings for the milker as well as for the cow.

The job of milking is some chore when we consider that there are 24 million dairy cows in the United States that have to be milked from two to four times a day, according to their production. During the past few years the milking machine has made rapid progress; and with a large number of good makes on the market and many thousands being successfully operated, we are extremely hopeful of getting relief from this source. In a recent conversation with a prominent dairy farmer from New Zealand, I was surprised to learn that the bulk of the milking in the country of New Zealand is now done with machines. Of course this

means large, well equipped dairies and more interest in the business.

We cannot get away from milking time. We can, however, make this task more pleasant and agreeable. We can put more windows into the barn; let in the light, nature's disinfectant and messenger of cheer, let in fresh air thru ventilators, and prepare a sanitary place for the cows. Cement floors are easy to lay; good sanitary drainage and comfortable stalls for the animals can be purchased; we can provide drinking cups and tanks where heat is supplied; the barn can be fixed up so the chores may be done easily and quickly, and then milking time will have lost its disagreeable features.

Much thought is now being given to the farm boy, and no better subject can be considered. Great concern is shown about the fact that the boys are leaving the farm. Get the boy interested in the farm, and he will wish to stay there. Make the work agreeable, and interest him in making improvements. New things appeal to a boy more keenly than to a man. Men often are too slow in adopting changes, even when unquestionably to better things.

We cannot expect to make milking time sound like the call to dinner or the Fourth of July, but we can do a great deal to remove many of the disagreeable thoughts which are likely to come with this well known call.

A. L. Haecker.

## Roughage Necessary for Calves

A good grade of leguminous hay such as clover or alfalfa should be kept in a feed rack where the calves have access to it at all times. Leguminous hays are preferable to non-leguminous hays since they contain larger amounts of protein and mineral matter which are necessary for growing animals. As soon as the leaves and finer portions of the hay have been eaten the remainder should be removed and fed to other animals in the herd and a fresh supply substituted. Calves will begin to eat hay in some quantity when 3 to 4 weeks old.

Corn silage of good quality is a good feed for calves and may be fed as soon as they will eat it which will be when they are 2 months' or more old.

## The Dairy Barn

Window space is one of the essential features of a well-planned dairy barn. Stables which have too much light are rare. An abundance of sunlight aids in keeping the barn clean and dry and makes the surroundings pleasant for both man and animals. Most score cards in use by various boards of health specify that there be 4 square feet of glass to the cow. The amount of light in the stable does not depend directly upon the amount of glass, however. In barns more than 40 feet in width the windows are too far from the center of the barn to light it well.

The maximum amount of light is admitted to a rectangular barn which stands in a north and south direction, provided windows are evenly distributed on all sides of the barn. For most efficient lighting the windows should be placed vertically in the wall and as high as possible. On account of the danger of breakage they should not extend nearer to the floor than a distance of 4 feet. A rough, dark surface reflects little light. If the stable ceilings and walls are smooth and light in color the efficiency of the windows is greatly increased. Whitewash and cold water paint are comparatively cheap coverings for inside work which may be used to obtain this effect.

It is often desirable to grease boots and shoes heavily to make them water resistant, since it is highly important both for health and for effective work to keep the feet warm and dry. The ideal shoe would permit the perspiration from the foot to pass out, at the same time preventing the entrance of water. Such a shoe, however, does not exist.

A bull that is to be kept for service should be taught to lead while he is a small calf. He can be halter broken at this time with a few minutes' effort. He should not only be taught to lead without a tight rope, but also should be taught to stand. If given this lesson while young, in after life, when he is led out for visitors to look over or to be photographed, he makes a much better appearance.



# The Livestock Markets

BY WALTER M. EVANS

**B**ETTER methods of marketing livestock must be provided soon if the livestock industry of the Nation is to be put on a sound basis. The past year has been a very disappointing one to farmers and they are now anxiously waiting to see what plans will be formulated by the Livestock Marketing Committee of Fifteen of the American Farm Bureau Federation. This Committee met in Chicago February 23 and 24 and organized for effective investigation of the marketing problems confronting the livestock producers of the Nation. The committee elected C. H. Gustafson chairman. He is also chairman of the Farmers' Grain Marketing Committee of Seventeen, which already has announced its plan. The vice-chairman of the Livestock Committee of Fifteen is A. Sykes, Ida Grove, Iowa. To H. W. Mumford, head of the Department of Livestock Marketing of the Illinois Agricultural Association, Chicago, was assigned the important post of secretary-treasurer.

## Study Plans for Improvement

At the suggestion of President J. R. Howard of the American Farm Bureau Federation, who appointed the Committee of Fifteen under authorization of the Livestock Marketing Conference held in Chicago on October 8, the 15 committeemen, nine alternates and one advisory member resolved themselves into a committee of the whole for the purpose of studying the problems and reporting plans for improvement. This arrangement creates a working committee of 25 and provides representation for all of the various livestock producing sections of the country and for the various organizations interested in market improvement. The following persons are members of the committee: J. M. Anderson, St. Paul, Minn.; Harry G. Beale, Mount Sterling, Ohio; W. J. Carmichael, Chicago, Ill.; W. A. Cochel, Kansas City, Mo.; C. E. Collins, Kit Carson, Colo.; E. H. Cunningham, Des Moines, Iowa; Howard M. Gore, Clarksburg, W. Va.; C. H. Gustafson, Lincoln, Neb.; S. P. Houston, Malta Bend, Mo.; Senator J. B. Kendrick, Sheridan, Wyo.; W. A. McKerrow, University Farm, St. Paul, Minn.; H. W. Mumford, Chicago, Ill.; J. H. Skinner, Lafayette, Ind.; A. Sykes, Ida Grove, Iowa; O. C. Wolf, Ottawa, Kan.; John G. Brown, Monon, Ind.; James Clemmens, Kansasville, Wis.; J. E. Boog-Scott, Coleman, Tex.; W. S. Corsa, White Hall, Ill.; John M. Eyward, Ames, Iowa; C. H. Hyde, Alva, Okla.; E. C. Lasater, Falfurrias, Tex.; William H. Pew, Ravenna, Ohio; James E. Poole, Chicago, Ill.; and George Livingston, Washington, D. C. Mr. Boog-Scott was appointed to take the place of A. B. Cook, who found himself unable to serve. The next meeting of the Livestock Marketing Committee of Fifteen will be held in Chicago on April 7.

## Why Prices Have Declined

Prices of meat have been declining, but farmers insist that prices paid for livestock have declined to a much greater extent. In this connection the Institute of American Meat Packers of Chicago in a recent circular says:

"During most of February the consuming centers were filled with greater quantities of meat than the trade could absorb. Beef was competing for popular favor with low-priced pork. Cattle were being forced on the markets in numbers which, the smaller than at the corresponding time last year, exceeded the demand. Wholesale prices of dressed beef and prices for live cattle continued to decline until, in the latter part of the month, there was a reduction of cattle receipts and hence smaller shipments of beef, with an advance in prices.

"All meats—beef, pork and mutton—show great declines from the wholesale prices prevailing last fall. This is due to a number of factors, including the more or less stagnant export demand, the general economic situation with declines in general commodity prices, and decreased purchasing power in industrial centers and elsewhere.

"Retailers are still buying somewhat sparingly but the low prices for meat products have stimulated demand. While many industries for months

have curtailed operations and reduced their purchases of raw materials, the packing industry has gone ahead steadily absorbing all of the livestock offered on the markets. This resulted in some instances in a supply of meat greater than the consuming demand. But since there was scarcely any export outlet during these months, this meant speedily falling prices and prices did fall. They now have reached a point at which the demand is responding to the values offered.

Cattle prices in the first two days of the week broke 25 to 50 cents, and then regained the loss. Closing quotations in some cases were higher than a week ago. Stocker and feeder demand is increasing. Hog prices continued to advance. Today's quotations were 60 to 75 cents higher than a week ago, and the highest of the winter packing season. The top was \$11 and the bulk of sales ranged from \$10.15 to \$10.90. Pigs sold up to \$11.50. Lambs are 75 cents higher, and sheep 50 cents above last week's close.

Receipts for the week were 30,714 cattle, 4,910 calves, 32,580 hogs, 28,075 sheep, compared with 28,200 cattle, 4,450 calves, 47,000 hogs, and 33,400 sheep of previous week and 29,400 cattle, 3,200 calves, 56,200 hogs and 32,000 sheep a year ago.

## Cattle Advance 50 Cents

Cattle prices at the close were fully steady with Thursday, 35 to 50 cents higher than Tuesday, and back to the high point of last week. The decline early in the week resulted from liberal receipts, but the movement was not maintained and the loss was regained. Killers and shippers bought freely and the general market is in a firm position. The top price for weighty steers was \$10.10, and for 900 pound yearlings \$10. The bulk of the good to choice steers sold at \$9.95 to \$9.90, and the fair to good classes \$8.50 to \$9.25. Cows are selling at \$5.25 to \$7.75, and heifers \$6 to \$9.25. Mixed yearlings sold up to \$9.90. Veal calves were 50 cents to \$1 lower.

Demand for stock and feeding steers that graded medium and better was active at strong prices. The common grades sold slowly, and the irregular in prices they averaged steady. Demand from feeders as well as grazers was active.

## Hogs are Higher

Hog prices continued to advance. The net gain this week was 60 to 75 cents, and the market today was at the highest point of the winter packing season. Demand is large. Packers are still buying at more Northern markets and shipping here for slaughter. Shippers are taking all the good handy and light weight grades available. Stock hogs and pigs are selling at \$10.50 to \$11.50. The top price for fat hogs today was \$11 and bulk \$10.15 to \$10.90.

After a moderate setback on Monday the sheep market advanced, and closed the week 50 to 75 cents net higher. Fat lambs are selling at \$9 to \$10.50, ewes \$5.50 to \$6.25, wethers \$6.25 to \$7.00, and yearlings \$7.50 to \$8.50.

The better classes of horses and mules sold more readily this week, but the plainer kinds were slow sale. Prices were not notably changed.

## Poultry and Dairy Products

At the close of the week eggs declined 1 cent a dozen, and creamery butter declined 2 cents a pound. Demand was only fair. The following quotations on poultry products are given:

Eggs—Firsts, 28 cents a dozen; seconds, 24 cents; selected case lots, 33 cents; cracks, 19 to 20 cents.

Live Poultry—Hens, 27 cents; broilers, 40 cents; springs, 35 cents; staggy young cocks and old roosters, 14 cents; young roosters, 20 cents; turkey hens and young toms, 40 cents; old toms, 37 cents; ducks, 27 cents; geese, 15 to 17 cents; pigeons, \$1 a dozen.

The market for dairy products shows slight declines from last week. The following prices are quoted at Kansas City:

Butter—Creamery, extra in cartons, 52 cents a pound; bulk butter, 48 to 50 cents; packing butter, 16 cents; buttermilk, 46 cents.

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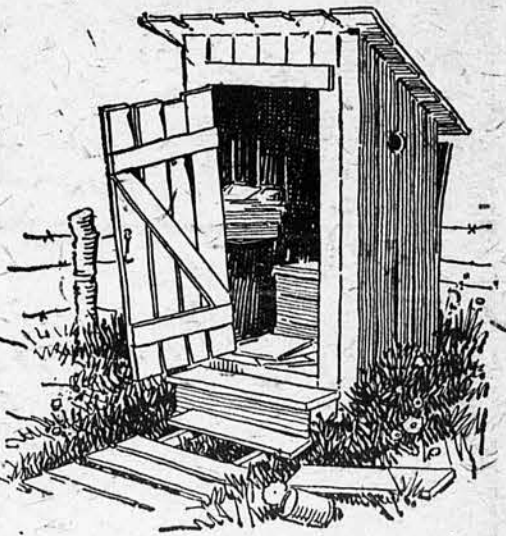
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## Much Grain Held on Farms

Kansans Expect Big Crops Again This Year

BY JOHN W. WILKINSON

KANSAS farmers still have large quantities of grain stored on their farms according to a recent report of Edward C. Paxton of the United States Bureau of Crop Estimates, and the wisdom of this action remains to be seen. "Kansas farmers," says Mr. Paxton, "had 41,117,000 bushels of wheat; 74,269,000 bushels of corn; 33,024,000 bushels of oats; and 10,217,000 bushels of barley in their bins on March 1, according to estimates released by the United States Bureau of Crop Estimates. It has been many years since any such large grain stocks have been held by Kansas farmers on similar dating. The corresponding date last year saw 36,490,000 bushels of wheat; 17,450,000 bushels of corn; 15,480,000 bushels of oats, and 5,220,000 bushels of barley in producers' hands in Kansas.

"As regards corn, most Kansas farmers are more or less indifferent about the immediate market. Many have the first good reserve stock of corn they have had in five years and prefer to hold it until they see another crop in prospect of realization. Corn prices have certainly offered no inducement to part with it. It is estimated that not more than 22 per cent of the 1920 corn crop ever will move to market outside of the county of production.

"Marketings of oats and barley during the last six months have been unusually light considering the fact that 1920 saw the largest crop of barley and the second largest crop of oats that Kansas ever produced. Those who have sold their small grains usually have done so because forced to do so by economic pressure. Estimates indicate that 14 per cent of the 1920 crop of oats and 34 per cent of the barley crop either has moved or eventually will move to outside markets.

"There is no alarm on the part of farmers over the fact that they are holding unusual stocks of grain, nor is there likely to be any grand rush to dispose of it to the demoralization of the market with a corresponding loss. There is a spirit of confidence in the integrity of their intentions and in the soundness of their economic situation that seems lacking in many other industries."

### Present Grain Reserves

Wheat growers are awaiting with much interest the outcome of the Chicago convention of farm delegates which will be held April 6 to pass on the grain marketing plans proposed by the Committee of Seventeen. In connection with the agitation that has been going on to induce wheat growers to hold their grain for later markets it is interesting to note that on March 1 the total amount of wheat in this country was 320 million bushels as compared with 338 million bushels a year ago on the same date. This included \$1,946,000 bushels in country mills and elevators against 117,550,000 bushels a year ago and 30 million bushels at visible points of concentration as compared with 56 million bushels a year ago. The amount on farms in the United States was 207,591,000 bushels against 164,624,000 bushels a year ago. Altho the quantity of wheat in first hands exceeds that of the previous year by approximately 43 million bushels the amount visible in second hands was about 62 million bushels less than at this date last year.

Corn reserves are given as 1,572,397,000 bushels as compared with 1,070,677,000 bushels in 1920 on same date. Oats show a reserve of 689,566,000 bushels as compared with 418,983,000 bushels of the previous year. The barley reserve on March 1 was 69,536,000 bushels as against 36,848,000 bushels in 1920.

### Tractors Play an Important Part

Crop conditions at this time look favorable for this year. The condition of winter wheat generally is satisfactory. Illinois, Missouri, and Kansas show exceptionally good stands and the young plants are sturdy and for the most part well rooted. The green bugs have done some damage in Texas and Oklahoma, but they have not been found anywhere in Kansas up to the present time. There is little fear of any serious infestation of chinch bugs or Hessian fly. Kansans especially expect this to be a good crop year. Labor condi-

tions have improved and farm help now is more readily obtainable. Farmers will attempt to cope with any labor shortage that may develop thru the use of improved farm machinery. Many manufacturers are encouraging this movement by making substantial reductions in nearly all kinds of farm machinery. In this connection it is interesting to note that seven years ago this spring the tractor plow was first brought to the attention of Kansas farmers generally by a tractor demonstration at Newton. Now there are 17,000 tractors in the state according to a recent estimate made by the Kansas state board of agriculture. This is an increase of 20 per cent on the number reported on January 1, 1920.

### Crop Conditions are Favorable

In the weekly crop report of the Kansas state board of agriculture for the week ending March 14, J. C. Mohler, secretary of the board says:

"Rains which fell on Monday and Tuesday of the past week were not as general as many believed. Thru the Kaw Valley and a few eastern counties from 3 to 4 inches of precipitation was reported by county agents but in the northeast the rainfall measured from 1/2 to 1 inch; in the southeast about 1/4 inch; in the northwest 1/2 inch and only showers were reported from Central and Southwest Kansas. A light snow fell in Southwest Kansas. However, the moisture was welcome and aside from the localities where the downfall was heaviest, all of it went into the ground.

"The soil is in very good condition except that it is somewhat dry thru the central, southern and some western counties but the absence of severe wind during the past two weeks has permitted the wheat to make good growth and with another week of such weather it will be in condition to prevent soil blowing to a great extent. Pasturing of early sown wheat is the rule in Western Kansas now and all kinds of livestock are thriving on it.

"Oats seeding is well along, being practically finished in the southern part of the state, and from 75 to 90 per cent completed in the more northern counties. In the south, oats are beginning to show green and conditions are excellent for growth. Barley seeding is being carried on extensively in the western and northwestern counties, indications pointing to a much larger acreage than last year.

"Thru the Kaw Valley potato growers are busy planting their main crop and the season is about two weeks ahead of ordinary years. Cut worms are making their appearance in alfalfa fields and pastures and are beginning to damage small patches of wheat in some of the western counties. Plums, apricots, peaches and pears are in full bloom in the southern counties and buds are beginning to show signs of bursting in the central and northern counties. So far very little damage from frost has been noticed and if good weather prevails Kansas has excellent prospects for a good fruit year."

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

**Chautauqua**—Oats are coming up and there is a good stand. Farmers are preparing the ground for corn. We are in need of rain as the ground is getting dry and very hard. Peach trees are in full bloom. Cattle are in good condition but are not worth much. The price of sugar is going up. Eggs are worth 25c.—A. A. Nance, March 12.

**Cherokee**—We had excellent weather during February. Roads are excellent and the ground is in good condition for spring work. Oats seeding is nearly completed and a few farmers have planted potatoes. We have had just one light shower this month and wheat is beginning to need moisture. Farm sales are still being held and prices are very low. Mines are still closed. Eggs are worth 25c; seed oats, 30c to 40c; and butter is 35c.—L. Smyres, March 11.

**Clay**—Wheat is growing satisfactorily. Oats seeding is completed, and farmers are taking a short rest before preparing the corn ground. Wheat is worth \$1.45; corn, 47c; bran, \$1.15; butterfat, 42c and oats are 35c; shorts, \$1.30; hogs, \$9; eggs, 25c.—P. R. Forslund, March 7.

**Coffey**—We had a good shower on March 7 which was excellent for wheat, oats and grass. Fruit buds are coming out. Oats sowing is completed and the ground is now being prepared for corn. There is an abundance of roughness and stock is in good condition. Butterfat is worth 40c; wheat, \$1.40 and eggs 27c.—A. T. Stewart, March 12.

**Cowley**—We are having perfect spring weather and wheat is providing excellent pasture. Oats sowing is nearly completed.

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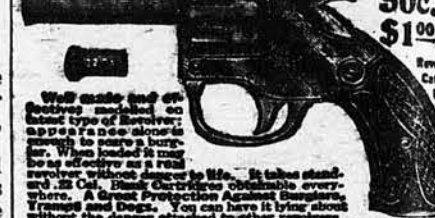
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We have had one of the mildest winters on record. A considerable amount of corn will be planted this spring. Eggs are worth 27c; hens, 30c; seed oats, 45c and cream is 44c; corn, 50c; kafir, 30c; alfalfa, \$12; prairie hay, \$8 to \$10.—Fred Page, March 6.

Crawford—We are still having pleasant weather. Oats sowing is completed and a large acreage was sown. Fruit trees are in bloom and pastures are green. Wheat looks good but we are needing rain. Stock is in good condition. Very few public sales are being held this spring.—H. F. Painter, March 5.

Dickinson—We are still having excellent weather but are in need of rain as we haven't had any moisture for some time. Wheat is excellent and is growing rapidly. Oats sowing is completed. Apricot trees are in bloom and peach buds are swelling. A few farmers are marketing hogs and are receiving satisfactory prices. Brood sows are in demand and selling at a good price. Eggs are worth 27c.—F. M. Lorson, March 12.

Douglas—Farmers are planting potatoes, sowing oats and doing other spring work. Oats sowing is progressing rapidly. We had a heavy rain and some hail but not enough to do any damage. A number of sales are being held and good prices are received for stock cattle and crops. Butter is worth 40c and hogs are 9c; eggs, 25c.—O. L. Cox, March 12.

Elk—We are still having excellent weather. A number of farmers are sowing more oats than they had planned to sow. Alfalfa and wheat are in good condition despite the fact that a good rain is needed. Some early gardens have been planted. Farm help seems to be a little more plentiful this spring. Public sales are more satisfactory than a few weeks ago. Kafir is being delivered in some parts of the county for 40c. Cream is worth 40c and eggs are 25c.—Charles Grant, March 12.

Greenwood—The weather has been very dry and windy but a light rain on March 7 stopped the wheat ground from blowing. The wheat is in good condition and has not yet been damaged any by the winds. No wheat is being pastured as there is a surplus of rough feed. Oats sowing is nearly completed. An unusually large acreage of oats is being sown. Some potatoes have been planted. Thus far no gardens have been made.—A. H. Brothers, March 8.

Hamilton—We had a 4-inch snow the first of the week which gave us considerable moisture for wheat and rye as well as for the oats and barley that were recently sown. We are having excellent weather and crops are making a good start. Farmers are preparing ground for large crops of corn, kafir and milo. There is not much sickness. Milo has been threshed. Everything is getting down to pre-war prices. Corn is worth 50c; kafir 60c to 70c.—W. H. Brown, March 12.

Jefferson—We had nearly 3 inches of rain the first of the week which was a relief for the pastures and wheat. Not quite half of the oats have been sown. We have had cool weather the last three days. Hay sells for \$12 to \$15; corn, 40c to 50c.—Arthur Jones, March 12.

Leavenworth—A heavy, beating rain March 7 washed the fields and was very injurious to the oats and clover just sown. Wheat is in excellent condition. Farmers will soon begin plowing for corn. Farm sales are numerous and everything is bringing good prices. A larger acreage than usual is being sown to clover; some Sweet clover is being sown.—George Marshall, March 13.

Lyon—We have been having moderate weather, and wheat, grass and alfalfa are beginning to grow. Wheat looks excellent. Stock is in good condition. There are not many large fat hogs to be sold. Farmers are more interested in good dairy cows than any livestock. They are also interested in good breeds of hogs. Wheat is worth \$1.50; kafir, 45c; butter, 45c; corn, 55c and eggs are 25c.—E. R. Griffith, March 11.

Marion—We had a good rain this week which was excellent for oats and wheat. Nearly all of the oats crop has been sown. Livestock is on wheat pasture and is in good condition. A number of public sales are being held. Not much grain is being marketed. Wheat is worth \$1.50 and eggs are 25c.—G. H. Dyck, March 12.

Morris—We had a 2-inch rain on March 7 followed by warm weather and everything is growing satisfactorily. The late sown wheat fields are growing rapidly and some of the early sown is making excellent pasture. Oats sowing is not completed. A number of acres of potatoes have been planted. Farmers who have pastures are hunting for cattle at a seasonal rental of \$5 a head. Cattle and hogs are scarce. Not many farm sales are being held this spring. Chickens and milk cows are the most profitable now. Peach and apricot trees are in bloom.—J. R. Henry, March 12.

Osage—Ground is too wet to be worked since the storm. Seed potatoes have sprouted too long to be dipped. Wheat and bluegrass pastures are rapidly becoming green. Real estate in town is changing hands but not in the country. Some wheat and corn are being marketed. There is plenty of pasture and stock water. Corn is worth 40c; cream, 40c and eggs are 24c.—H. L. Ferris, March 12.

Roots—Farmers are preparing the ground for oats, barley and corn. Livestock is doing fairly well. A few farmers are buying feed but it is cheap. Wheat is worth \$1.40; corn, 40c; butterfat, 30c and oats are 50c; eggs, 21c.—C. O. Thomas, March 11.

Rush—We have been having moderate weather and the wheat and grass are beginning to grow and the trees are beginning to bud. Farmers are preparing their ground for spring crops and a few have their oats sown. Wheat is excellent and provides good pasture for the stock. There is not much rough feed. Hogs are scarce. Goats are cheap. Wheat is worth \$1.50; butter, 45c; butterfat, 46c and eggs are 27c.—A. E. Grunwald, March 7.

Scott—We are having excellent spring weather. We had a light shower last week and a light snow this week. Wheat is making a record growth. Farmers are sowing oats and wheat. A few sales are being held but prices are not as high as they were a year ago. Alfalfa hay is worth \$12; wheat, \$1.40; corn, 45c to 50c; barley, 40c to 42c; butter, 35c; butterfat, 42c and oats are 45c; eggs, 24c to 25c; hogs, 8c; one bunch of barley fed cows sold for \$60 a head.—J. M. Hendrick, March 10.

Sedgewick—We have been having dry, windy weather and crops look good despite the fact that a good rain is needed. Apricot trees are in bloom and peach blooms look fine. Fruit growers are very uneasy over the forward condition of fruit buds. The potato acreage will be very large. Help is plentiful.—F. E. Wickham, March 11.

Sumner—We have had excellent weather this spring for farm work. Wheat is in good condition but oats is in need of rain. The top of the ground is cracked and very dry. Some farmers have sown oats but a great many are waiting and will plant at the usual time. The high winds have made the growing wheat look sick. Very few sales have been held. Wheat is worth \$1.50; corn,

50c; butter, 35c; butterfat, 44c and oats are 35c; eggs, 28c; hogs, \$9.75.—E. L. Stocking, March 7.

Stevens—We had an inch of snow on March 8 and it was so wet that it stuck to everything, then at night it was so cold that it froze quite thick ice. This weather has been very bad for the fruit buds as the peach, cherry, plum and apricots were almost ready to come out but as they were covered with the snow possibly they escaped injury.—Monroe Traver, March 10.

Trego—February was a warm month with several high winds. We had a rain on March 6 and a light snow on March 8. Wheat is in excellent condition. There was quite a little damage done by the high winds. Farmers are sowing oats and barley. Wheat brings \$1.50; corn, 65c to 70c and oats are 65c and eggs, 25c.—C. C. Cross, March 12.

Woodson—We are having springlike weather. Oats seeding is completed and some of it already has germinated. Farmers are preparing ground for corn and planting potatoes. Alfalfa and wheat are in excellent condition. Public sales are being held. Cattle can be put on pasture in a few weeks.—E. F. Opperman, March 11.

### Goats for the Farm

Why not have some goats on the farm? I have noticed over this part of Jefferson county, large strips of waste land covered with small Black oak and underbrush so dense that it is almost impossible for man to go thru. This land has a soil that would grow an abundance of good grass and could be made to produce beef and mutton to a far greater advantage than is realized by the farmer. This land decreases the value of a farm 85 per cent and makes a very unsightly spot. Ten or 15 head of goats in the course of three or four years would clean out the underbrush and sprouts. Of course the goats would have to be aided by man on the larger trees, but the wonders those little fellows work on brush cannot be realized without a trial.

They also clean out weeds and grass in the fence corners that harbor Chinch bugs and other insects. The goats turn the waste and rejected little spots into profits that would be lost. In this trying time of high costs the farmer must save every pound of grain and utilize every nook and corner to keep his head above water. A case came to my personal view recently where a farmer occupied a rented place for some six or seven years. In this time he never had an acre of hay or pasture and did not have a cow on the place. A large strip across the farm has grown up in brush. The years of toil in establishing the pasture before this man entered the farm have been carelessly lost. What will the world do with these farmers? They have come to the end of just simply raising a crop. They now see that farming must be confined with livestock, so to keep the waste to a minimum, farmers of this class are today almost a thing of the past, as landowners must know their tenants personally before they trust their farms. A. R. A.

Ozawkie, Kan.

### The Farmers' Income Tax

The difficulties encountered in making out your farm Income Tax Return to the Government, is in not knowing just what is income and what are proper items of deduction. "The Farmer and the Income Tax" is a book containing the Income Tax Law and, also, contains questions and answers arranged by an Income Tax Expert, who analyzed the statements and made out the Income Tax Returns for more than 3,500 farmers.

This book, and also the simplicity Farm Record Book can be obtained free and postpaid by sending a yearly subscription to Kansas Farmer and Mail and Breeze at the regular subscription price of \$1.00 a year, or with a three-year subscription at \$2.00. Our supply is limited—order today. Address Income Tax Dept., Kansas Farmer and Mail and Breeze, Topeka, Kan.

### Likes the Cement Silo

I have a cement silo and I would not have any other kind. I built it nine years ago and the cement at that time cost \$500 and I did the hauling of the sand myself. The capacity of my silo is about 200 tons. It is 14 feet wide and 52 feet high. The first year I used it in fattening cattle. The second year we fed silage to 3-year-old steers with shelled corn and cottonseed meal. I found this ration good, and the last seven years we have been feeding the silage to dairy cattle and find nothing better than corn silage. I did try kafir two years which was very good. I begin filling as soon as the sap in stalk is sweet so it will sugar in place of turning to vinegar. Alex Cherry.

## OLD KENTUCKY HOMESPUN TOBACCO

Cream of the Finest Crops Direct to You



Mellow as Moonlight  
Fragrant as the Rose

—SEND—  
NO MONEY



## RIPE, RICH, OLD-FASHION LEAF

The choice of Kentucky's finest crops direct from our farms to you. This FAMOUS OLD KENTUCKY HOMESPUN is no more like the manufactured tobacco than day is like night—free from chemicals and all other adulterations that undermine the health, that conceal imperfections and delude the sense of taste. Grown and nurtured in Kentucky's finest soil, cut at the proper time, carefully selected, aged and mellowed for chewing and smoking. Like old wine in the cellar, its rich, rare fragrance permeates the air. Cured and "sweated" by the same method as employed in the early days, the method our grandfathers used in preparing tobacco for their own use—every trace of harshness leaves it—nothing to "bite" your tongue, or parch your mouth; nothing to tire your taste. No fancy packages, no decorations—just QUALITY and lots of it. Throughout the country—North, East, South and West, men have tested this fine old tobacco and spread the news of its inimitable quality. Grown right here in the greatest tobacco producing district in the world. We bank on it you have never tasted a finer flavored, more satisfying tobacco in all your life. Give the old "cob" a treat—"load 'er" up to the brim. Cut off a "hunk" as big as your fist and slip it between your teeth. Smoke or chew, it will give you the keenest joy since the days of Old Bourbon.

"I have used the best tobacco they have in Canada, England and Ireland but have never tasted any as good as your Old Kentucky Homespun."—J. P. O'Connor, Gold Beach, Oregon.

"I am a retired physician, 82 years old. Have used tobacco ever since I can remember. I chew but do not smoke. None gives me such satisfaction as Old Kentucky Homespun Leaf Tobacco. It is not only the most pleasant and agreeable but goes further than any other kind and produces no ill effects."—S. S. Sutton, Kirby, Ark.

"Your tobacco is every thing a person can desire. Even my wife enjoys its pleasant aroma in the house."—A. C. Evering, Grand Center, Ia.

"The tobacco came in good shape and I like it fine. Have been imposed upon long enough by the makers of high priced, doped up trash called tobacco."—C. L. Gates, Morrisville, Vt.

## REDUCE YOUR TOBACCO BILL 75%

We are growers of tobacco and sell none but our own crops, therefore exempt from all revenue tax. We pool our crops, placing them in our warehouses and share equally all the expense of conducting our business, thus our expenses are reduced to the minimum. This co-operative marketing plan eliminates all middlemen; you deal directly with the growers, thereby effecting a saving to you of 75 per cent or more.

READ THESE MONEY SAVING PRICES.

WE PAY POSTAGE.

5 Pounds, \$2.98

10 Pounds, \$5.85

20 Pounds, \$11.40

5 pounds of our tobacco will make 55 sacks of smoking or 65 chewing or smoking twists.

With each order we include complete instructions (profusely illustrated) showing how we Kentuckians make the old-fashioned chewing and smoking twist, granulated smoking, etc.

**JUST SEND THE COUPON--NO MONEY** Pay only the price above when tobacco arrives. **TRY THE TOBACCO 10 DAYS** and if it doesn't please you—if it doesn't suit your taste—if it doesn't save you money—back it comes and every cent of your money will be returned without quibble or question. **YOU RISK NOTHING.** Sign and mail the coupon today and enjoy the tobacco treat of your life.

## TOBACCO GROWERS ASSOCIATION OF KY. MAYFIELD KENTUCKY

TOBACCO GROWERS ASSOCIATION of KY., Warehouse 140  
Mayfield, Kentucky

Send me.....pounds of Old Kentucky Homespun Tobacco by parcel post prepaid. I will pay the price of \$.....on arrival. If not satisfied after a 10-DAY TRIAL, I will return the tobacco and you will refund my money.

Name.....

Address.....

(State whether chewing or smoking, strong, medium or mild.)

**THE LITTLE BELT POWER TRANSMITTER**  
is all you need, if you own a Ford or Dodge, to have the hardest, most reliable Belt Power Outfit built. **CATALOG FREE.**  
Write me TODAY! FRANK S. WEISBERGER, Salina, Kans.

**EVERGREENS** Hill's Hardy Tested Varieties  
Fine for windbreaks, hedges and lawn planting. All hardy, vigorous and well rooted. We ship everywhere. Write for free Evergreen book. Beautiful Evergreen Trees at moderate prices. O. Hill Nursery Co., Box 223, Duquesne, Ill.

## "Perhaps You Don't Know" says the Good Judge

How long a little of the Real Tobacco Chew will last.

Nor how much genuine chewing satisfaction the full, rich real tobacco taste will give.

Ask any man who uses the Real Tobacco Chew. He will tell you that this class of tobacco will give more satisfaction—and at less cost—than the ordinary kind.

Put up in two styles

W-B CUT is a long fine-cut tobacco

RIGHT CUT is a short-cut tobacco

Weyman Bruton Company, 1107 Broadway, New York City





# FARMERS' CLASSIFIED ADVERTISING

Rate: 12 cents a word, each insertion, on orders for less than four insertions; four or more consecutive insertions the rate is 10 cents a word. Count as a word each abbreviation, initial or number in advertisement and signature. No display type or illustrations admitted. Remittances must accompany orders. Real estate and livestock advertising have separate departments and are not accepted for this department.

## TABLE OF RATES

Words	One time	Four times	Words	One time	Four times
10.....	\$1.20	\$4.80	26.....	\$3.12	\$10.40
11.....	1.32	5.28	27.....	3.24	10.80
12.....	1.44	5.76	28.....	3.36	11.20
13.....	1.56	6.24	29.....	3.48	11.60
14.....	1.68	6.72	30.....	3.60	12.00
15.....	1.80	7.20	31.....	3.72	12.40
16.....	1.92	7.68	32.....	3.84	12.80
17.....	2.04	8.16	33.....	3.96	13.20
18.....	2.16	8.64	34.....	4.08	13.60
19.....	2.28	9.12	35.....	4.20	14.00
20.....	2.40	9.60	36.....	4.32	14.40
21.....	2.52	10.08	37.....	4.44	14.80
22.....	2.64	10.56	38.....	4.56	15.20
23.....	2.76	11.04	39.....	4.68	15.60
24.....	2.88	11.52	40.....	4.80	16.00
25.....	3.00	12.00			

## RELIABLE ADVERTISING

We believe that every advertisement in this department is reliable and exercise the utmost care in accepting classified advertising. However, as practically everything advertised in this department has no fixed market value, and opinions as to worth vary, we cannot guarantee satisfaction. We can, not guarantee eggs to reach the buyer unbroken or to hatch, or that fowls or baby chicks will reach the destination alive. We will use our offices in attempting to adjust honest disputes between buyers and sellers, but will not attempt to settle minor disputes or bickerings in which the parties have vilified each other before appealing to us.

**Special Notice** All advertising copy discontinuance or change of copy intended for the Classified Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication.

## AGENTS WANTED

WE PAY \$200 MONTHLY SALARY AND furnish rig and expenses to introduce guaranteed poultry and static powders. Bigler Company, 5071, Springfield, Ill.

INSIDE TYRES INNER ARMOR FOR automobile tires. Prevent punctures and blowouts. Double tire mileage any tires. Tremendous demand. Big profits. Sample and details free. - American Accessories Co., B-152, Cincinnati, Ohio.

## SERVICES OFFERED

HAIR GOODS FROM COMBINGS AND dolls repaired. Fields, Topeka, Kan.

PATENTS, BOOKLET AND ADVICE free. Watson E. Coleman, Patent Lawyer, Pacific Building, Washington, D. C.

LET US TAN YOUR HIDE. COW, HORSE, or calf skins for coat or robe. Catalog on request. The Crosby Frislan Fur Co., Rochester, N. Y.

INVENTORS WRITE FOR OUR ILLUSTRATED book and evidence of conception blank. Send model or sketch for our opinion of its patentable nature. Highest references, prompt service. Reasonable terms. Victor J. Evans & Co., 325 Ninth, Washington, D. C.

PATENTS - SEND FOR FREE BOOK. Contains valuable information for inventors. Send sketch of your invention for free opinion of its patentable nature. Prompt service. (Twenty years experience.) Talbert & Talbert, 4953 Talbert Bldg., Washington, D. C.

DON'T WASTE YOUR SPARE TIME-IT can be turned into money on our easy plan. We have a splendid offer for ambitious men or women who desire to add to their present income, and will give complete details on request. Simply say, "Tell me how to turn my spare time into dollars" and we will explain our plan completely. Address, Circulation Manager, Capper Publications, Topeka, Kan.

## BUSINESS OPPORTUNITIES

BUY A GOOD GARAGE BUSINESS, TOOLS and equipment from owner. J. L. Anderson, Agenda, Kan.

COLLECTIONS, ACCOUNTS, NOTES, claims collected everywhere on commission, no collection, no pay. Allen Mercantile Service, 252 Lathrop Bldg., Kansas City, Mo.

HANDLE MORE BUSINESS? ARE YOU getting all the business you can handle? If not get big results at small cost by running a classified ad in Capper's Weekly, which calls on 500,000 families every week. Sample copy free for asking. Only 15c a word each week, 12c per word on four consecutive time orders. This rate does not apply on real estate advertising. Send in a trial ad now while you are thinking about it. Capper's Weekly, Topeka, Kan.

PUT YOUR BUSINESS BEFORE MORE than 1,250,000 farm families in the 16 richest agricultural states in the Union by using the Capper Farm Press. A classified advertisement in this combination of powerful papers will reach one family in every three of the great Mid-West, and will bring you mighty good results. This does not apply to real estate or livestock advertising. The rate is only 70 cents per word, which will give you one insertion in each of the five papers, Capper's Farmer, Kansas Farmer and Mail and Breeze, Missouri Ruralist, Nebraska Farm Journal and Oklahoma Farmer, Capper Farm Press, Topeka, Kansas.

## EDUCATIONAL

U. S. GOVERNMENT WANTS HUNDREDS Railway Mail Clerks immediately. \$135 month. List positions free. Franklin Institute, Dept. J 15, Rochester, N. Y.

FINLAY ENGINEERING COLLEGE, KANSAS City, Mo. Mechanical, electrical, armature winding, auto-elec. 6 weeks to 2 years. Write for catalog. Enroll any time.

BE AN EXPERT PENMAN. WONDERFUL device guides your hand, corrects your writing in few days. Complete outline free. Write C. J. Ozment, 40, St. Louis, Mo.

GET A GOOD JOB-WORK FOR UNCLE Sam. Men and women needed. \$1,400, \$1,600, \$1,800 at start. Railway mail clerk and other "exams" soon. Let our expert, former U. S. government examiner, prepare you. Write today for free booklet. D 14, Patterson Civil Service School, Rochester, N. Y.

## FOR SALE

CAR LOAD HEDGE POSTS, ARTHUR Kuntz, Abilene, Kan.

## MACHINERY

FOR SALE-SANDWICH POWER HAY press. Earl Searcy, Rossville, Kan.

NEW 18-36 AVERY CHEAP FOR QUICK sale. John Duesing, Spearville, Kan.

FOR SALE-18 HORSE CARR SCOTT ENGINE. Hallberg Bros., Courtland, Kan.

FOR SALE-12-25 AVERY TRACTOR AND four-bottom plow. G. W. Hill, Dennis, Kan.

FOR SALE-CASE 15-27 TRACTOR; 20-36 separator. Russell Dawe, Wamego, Kan.

FOR SALE-SECOND HAND TRACTORS and separators. Victor E. Rogers, Wellington, Kan.

FOR SALE-EXTRA GOOD McCORMICK header at a sacrifice. J. H. Bromagem, Colony, Kan.

FOR SALE-AVERY 18-36 TRACTOR, 6-hole Sandwich sheller, nearly new. A. Lyon, Solomon, Kan.

FOR SALE-GOOD CASE 20 STEAMER, Avery 12-25. Will trade. What have you? Frank Silvester, Little River, Kan.

FOR SALE-DEERING HARVESTER-thresher, good as new; cut 150 a. Price \$1,500. Ben Wieser, Cleveland, Kan.

FOR SALE OR TRADE FOR WESTERN land, 12-25 Huber tractor, 3 bottom Oliver plow, both nearly new. G. W. Scott, Studley, Kan.

FOR SALE-SECOND HAND AVERY 12-25 tractor. Just overhauled. No repairs necessary. Price \$850. Victor E. Rogers, Wellington, Kan.

FOR SALE-12-25 AVERY TRACTOR AND new 20-inch Avery separator for good 40-80 Avery tractor and plow. Lock Box 147, Harper, Kan.

WANTED: SECOND HAND TRACTORS and Separators. Give full description and price in first letter. Victor E. Rogers, Wellington, Kan.

FOR SALE-16-30 RUMELY USED TWENTY days. Priced right. Buick 6, model 1920, covered 7,000 miles, fine condition, \$1,450. Walter Montgomery, Belpre, Kan.

FOR SALE-SECOND HAND AVERY 18-26 tractor and 22x36 Avery separator. First class condition ready to run. Price \$2,000. Victor E. Rogers, Wellington, Kan.

FOR SALE-12-20 HEIDER TRACTOR, 25-32 Geyser separator. One 4 disc P. O. power lift plow. This rig out one season. Good condition. Dissolving partnership. Quick sale. \$1,900. C. D. Irwin, Chas. C. Lanback, Osage City, Kan.

## TRACTORS

WRECKED MODEL B MOLINE TRACTOR parts for sale. Roy Wood, Cottonwood Falls, Kan.

FOR SALE-12-25 CASE TRACTOR AND 4-14 Grand Detour plow in good condition. C. H. Prothe, R. 9, Paola, Kan.

FOR SALE-40-80 AVERY TRACTOR, RUN ten days since rebored, \$1,250. Ten-bottom plow, \$250 at Montezuma, Kan. Simon Unruh, Galva, Kan.

FOR SALE-BRAND NEW LATEST MODEL Moline Universal tractor with three-bottom plow and extension rims all complete, \$1,450. F. B. Parker, Robinson, Kan.

## FOR THE TABLE

PINTO BEANS, 100 LBS., \$5.00. C. BOHM, Stratton, Colo.

HONEY CHOICE ALFALFA-TWO SIXTY-lb. cans, \$17.00. Bert W. Hopper, Rocky Ford, Colo.

OUR CELEBRATED EXTRACTED HONEY at greatly reduced prices. Sixty pound can \$11.00. Case of two \$21.00. More \$20.00. Frank H. Drexel & Sons, Crawford, Colorado.

NEW CROP TABLE RICE, FRESH FROM the fields to the consumer, 100 pounds beautiful clean white table rice in double sacks, freight prepaid, \$7. J. Ed Cabaniss, Box 90, Katy, Tex.

"THEBESTO" ROCKY MOUNTAIN HONEY. Light colored, thick, fine flavored. Per can, five pounds net, postpaid anywhere west of Ohio river, \$1.50. Send remittance with order. The Colorado Honey Producers' Association, Denver, Colo.

## TOBACCO

HOMESPUN TOBACCO, 10 POUNDS, \$2.50; 20 pounds, \$4; 100 pounds, \$16. Farmers' Union, Mayfield, Ky.

NATURAL RED LEAF TOBACCO DIRECT to consumer, prepaid. Best grade, 5 lbs., \$2.00. Smoking, 5 lbs., \$1.50. W. B. Adams, Sharon, Tenn. Reference, Bank of Sharon.

## BEEKEEPING

BEEES IN DOVETAILED HIVES, \$12 COL-ony. B. Salisbury, Tescott, Kan.

BEE SUPPLIES, PARTIES BUYING BEE supplies (Beware brand) may secure 15% discount from Dadants catalog prices by ordering through purchasing agent Kansas Beekeepers' Association. Catalog on request. George Pratt, Route 2, Topeka, Kan.

BEEES PAY BIG LITTLE COST. KEEP them right. Use Root's famous supplies-the world's standard-for which we are agents. Send for catalog and that wonderful booklet (free). "Bees for Pleasure and Profit." Carl F. Buck, Augusta, Kan.

## BUILDING SUPPLIES

LUMBER AND BAILE TIES. HALL-MCKEE, Emporia, Kan.

## LIVESTOCK COMMISSION FIRMS

SHIP YOUR LIVE STOCK TO US-COMPE-tent men in all departments. Twenty years on this market. Write us about your stock. Stockers and feeders bought on orders. Market information free. Ryan Robinson Commission Co., 425 Live Stock Exchange, Kansas City Stock Yards.

## SEEDS AND PLANTS

SEED CORN, 100% LAPTAD STOCK Farm, Lawrence, Kan.

SWEET CLOVER, 10 AND 15 CENTS. Henry Cox, Elmore, Kan.

CANE SEED-BLACK AMBER, 60 CENTS bushel. Jay Andrews, Bloom, Kan.

WHITE SWEET CLOVER SEED FOR SALE. Floyd D. Young, Route 6, Wichita, Kan.

PURE SUDAN, RECLEANED, 5c POUND. Sacks free. Willis Heater, Howard, Kan.

WILSON SOY BEANS, WRITE FOR SAM-ple and prices. J. R. Adams, Elk City, Kan.

EVERBEARING STRAWBERRY PLANTS, \$2.50 per hundred. L. D. Reid, Norcatur, Kan.

CHOICE NEW SUDAN SEED, THREE-fifty hundred sacked. W. M. Green, Dalhart, Tex.

CHOICE RECLEANED WHITE SWEET clover, \$6 per bushel. Wayne Gray, Lyndon, Kan.

ALFALFA SEED, 95% PURE, \$7.00 PER bushel my track. Geo. Bowman, Concordia, Kan.

WHITE HULLED SWEET CLOVER SEED, 100 per pound, sacks free. A. B. Rose, Madison, Kan.

SUDAN, RECLEANED, \$4.75 HUNDRED; sacks free; my station. Aug. Schulze, R. 3, Sedgwick, Kan.

RECLEANED ENGLISH BLUEGRASS seed, 20c per lb. freight prepaid. W. W. Fritz, De Soto, Kan.

SEED SWEET POTATOES-NANCY HALL, Porto Rico, \$2.50 and \$3.00 per bu. H. R. Hedger, Idabel, Okla.

CHOICE NURSERY STOCK DIRECT TO Planter. Catalogue Free. Hutchinson Nurseries, Kearney, Neb.

WHITE SWEET CLOVER SEED, RE-cleaned, \$6 per bushel. Send for sample. Chas. Pierce, Atlanta, Kan.

STRAWBERRY PLANTS-EVERBEARING, \$1.50 per 100. Dunlap, \$1. Selected plants. Ed Chenoweth, Ottawa, Kan.

STRAWBERRY PLANTS, "DUNLAP," \$1.00 per hundred postpaid, \$6.50 per thousand. Wm. Banta, Overbrook, Kan.

RED TEXAS SEED OATS, TEST 35 LBS. 65c per bushel in ear load lots on track. P. L. Thielen, Dorrance, Kan.

BIG GOLDMINE AND BOONE COUNTY seed corn, \$2.50. Alfalfa seed, \$6 to \$9. J. F. Feigley, Enterprise, Kan.

SUDAN SEED, DOUBLE RECLEANED, 7c pound; \$6.50 cwt. sacked. Oscar Wilkens, Lorraine, Kan. (Ellsworth Co.)

BLACK AMBER CANE SEED, WELL MAT-ured, re-cleaned, sacked, \$1.00 bushel. Arthur Thompson, Wiley, Kan.

FOR SALE-SEED CORN, PRIDE OF SA-line and Commercial White, \$3 per bushel. C. C. Cunningham, Eldorado, Kan.

WHITE SWEET CLOVER, RECLEANED, 10 cents per pound, unsheeled, 6 cents. Bags extra. W. C. Mead, Dexter, Kan.

SINGLE COMB BUFF LEHIGH EGGS, 108, \$7. Hensley's famous egg strain. Heavy layers. W. M. Busch, Mayfield, Kan.

100 BUSHELS SILVER MINE SEED CORN. 14 years carefully selected. 3c pound. Orange cane, 2 1/2c. Jno. Lovette, Mullinville, Kan.

ONION SETS, 60c PER PECK; \$2.00 PER bushel, good re-cleaned stock. Write for catalog. May Seed & Nursery Co., Shenandoah, Iowa.

WHITE B. "SWEET" CLOVER SEED, 13 cents per lb. Sacks furnished. Sample sent on request. C. F. Drake, Severy, Kan., Route 1.

ALFALFA AND HULLED WHITE SWEET clover, re-cleaned, \$7 bushel; sacks, 50c. Seed on hand year round. R. L. Snodgrass, Augusta, Kan.

BERMUDA ONION PLANTS, 600, \$1. 1,000, \$1.40. 10,000, \$13. Cabbage, tomato, 400, \$1. 1,000, \$2.25. delivered. Lind Plant Farms, Cotulla, Texas.

FANCY WHITE BLOSSOM HULLED Sweet clover, direct from grower. Save dealer's profit. Request sample and price. J. P. Baker, Waverly, Kan.

CABBAGE PLANTS-EARLY JERSEY Wakefield and late Flat Dutch, now ready. 500, \$1.25, 1,000, \$2.00. Parcel post prepaid. D. H. Morris, Linden, Texas.

SUDAN-RECLEANED SEED DOUBLE sacked free from Johnson grass, \$4.25 per 100 f. o. b. Lubbock. Your check is good. Weaver Bros., Lubbock, Tex.

SCARIFIED WHITE BLOSSOM SWEET clover seed, excellent, at less than half last year's price. Request sample. Willis J. Conable, Grower, Axtell, Kan.

FANCY, HIGH TEST, SEED CORN, HAND picked, tipped and butted. Dollar fifty bushel. Write for samples. Wamego Seed & Elevator Co., Wamego, Kan.

RED CLOVER SEED, FARMER GROWN, \$18 per bushel f. o. b. Grandview, Mo. Cash with order. F. L. Merchant, 425 Live Stock Exchange Bldg., Kansas City, Mo.

WHITE BERMUDA ONION PLANTS, POST-paid \$1.50 per 1000. Make big juicy on-ions. H. C. Pittman, Plant Farms, Cotulla, Texas. Largest of its kind in the world.

RED OR BLACK AMBER CANE SEED, \$1 per bu. Sumac or Orange, \$1.25; kafir corn, \$1.25; Sudan, \$7 cwt. Satisfaction guaranteed. Holzer Seed House, Russell, Kan.

SUDAN SEED, RECLEANED, SACKED, free of Johnson, \$4.50 per hundred f. o. b. Lubbock. High grade June corn seed, \$1.50 per bushel f. o. b. Lubbock. Jno. F. Turner, Lubbock, Tex.

SUDAN GRASS-BEST SEED, HIGH GERM-ination, free from Johnson grass, \$3 per 100 pounds; 1,000 pounds, \$27.50. All kinds Texas grown seed, lowest prices. B. E. Miller, Dallas, Texas.

SPANISH PEANUT SEED, RECLEANED, all the stems, sticks, pops, splits and dirt taken out, put in double sacks, freight collect \$5.50 per 100 pounds. J. Ed Cabaniss, Box 69, Katy, Texas.

SEED CORN-GOLDEN BEAUTY, DROUTH resisting, first premium Sedgwick county, medal San Francisco Exposition. Hand picked, nubbed, graded, \$3 bushel; 10 bushels or more, \$2.75 bushel. J. S. Brown, Mulvane, Kan.

## SEEDS AND PLANTS

FOR SPRING PLANTING I HAVE AS-paragus plants, 75c 100; sage, 5c each; horseradish, 15c dozen; rhubarb, 1c dozen. Clip this ad, it's good 100 years. Harry Reiber, Kincaid, Kan.

6 DELICIOUS APPLE TREES, \$1. 14 CON-cord Grape Vines, \$1. 100 Dunlap Straw-berry plants, \$1. 100 Russian Mulberry for hedges, \$1. Postpaid, Catalog. Fairbury Nurseries, Fairbury, Neb.

BEST WHITE SWEET CLOVER, FARM-ers' prices. Satisfaction or money back. Unequalled permanent pasture. Sow hulled when you would alfalfa. Sow on oats or wheat. John Lewis, Virgil, Kan.

BEST WHITE SWEET CLOVER, SPECIAL sale; satisfaction or money back; un-equalled permanent pasture; sow hulled when you would alfalfa; sow on oats or thin wheat. John Lewis, Virgil, Kan.

KANSAS BLACK RASPBERRY PLANTS, \$2.00 per 100. Dunlap Strawberry plants, \$1.00 per 100. Asparagus plants, \$1 per 100. Rhubarb plants, \$1.00 per dozen. Albert Tine, Route No. 8, Lawrence, Kansas.

BEST ONION SETS, RED, YELLOW, white, \$1.75 bushel, best re-cleaned Sudan, \$5.00 hundred. Fancy hulled White Sweet clover, \$11.00 hundred. Track, Concordia, Bowman Bros. Seed Co., Concordia, Kan.

GET MY PRICES ON PLANTS, SWEET potato and all other garden plants. Seed corn. Hildreth Yellow and White Corn Planter, \$1.25 per bushel. Satisfaction guar-anteed. C. R. Goerke, Sterling, Kan. Phone 1709.

PURE INSPECTED SEED OF BLACK-hull, Sunrise, and Pink kafir, Kansas Orange sorghum and Dwarf Yellow Milo for sale. Inspected by the Kansas Crop Im-provement Association. For list of growers write to the secretary, S. C. Salmon, Man-hattan, Kan.

MAKE YOUR 1921 GARDEN BETTER BY planting the famous Tift plants. Cabbage, onion, tomato and potato plants, all varie-ties, 500 postpaid, \$1.50; 1,000, \$3.50; by ex-press, \$2. Special price large lots. Satisfac-tion guaranteed. Tift Plant Company, Al-bany, Ga.

100 PROGRESSIVE AND 200 DUNLAP strawberry plants, \$2; 25 rhubarb, \$1; 100 asparagus, \$1; Concord grapevines, \$1; Cumberland raspberries and Snyder black-berries, \$2 per 100; ten Early Richmond cherry trees, 2 years, 3 to 4 feet, \$4 (pre-paid). Check accepted. Catalog free. Welch Nursery, Shenandoah, Iowa.

FROST-PROOF CABBAGE AND ONION plants, fine stalky open-field grown. Per-sonal attention and greatest care given every shipment. You can't buy better plants or get quicker service anywhere, at any price. All leading varieties: 250, \$1; 500, \$1.75; 1,000, \$3. Satisfaction guaranteed. Stand-ard Plant Company, Bay City, Texas.

DON'T PLACE YOUR ORDER FOR SPRING planting until you see our prices and terms. Trees choice thrifty and fine at wholesale prices. Certificate of inspection with each order. Seeds fresh, pure and fully tested. Write today for catalogs with in-formation how to plant, prune and spray. Wichita Nurseries & Seed House, Box B, Wichita, Kansas.

MANHATTAN NURSERY, TOPEKA, KAN.-sas. Twenty-second year with quality trees, shrubs and plants. This year better than ever. Selected varieties fruit trees, 1 to 6 feet, best for this middle west. Low prices, best stock, price list free with de-scription of 155 varieties. Trees, shrubs, rose bushes and berry plants. All orders sent prepaid.

CABBAGE PLANTS, FULWOODS FROST proof will stand a temperature of fifteen degrees above zero. Plant now and have early cabbage. All leading varieties. Prices by express, 1,000 to 4,000 at \$2 per 1,000; 5,000 and over at \$1.50 per 1,000. By parcel post prepaid, 100 for 50c; 500 for \$1.50; 1,000 for \$2.50. Greater Baltimore tomato plants same prices as cabbage. Satisfaction guar-anteed or money refunded. P. D. Fulwood, Dept. E, Tifton, Ga.

OUR FIELD GROWN CABBAGE PLANTS hardened through freezing weather will produce heads six weeks earlier than home grown plants. Well rooted. All varieties ready now. Postpaid 500, \$1.50; 1,000, \$2.50. By express 1,000, \$2.00; 5,000, \$7.50. Earliana, Greater Baltimore and Stony amato plants same price. Portorican Sweet potato plants, heavy yielders, \$2.00; 4,000, \$7.00; 10,000, \$17.50. Lamp moss packed. Satisfaction guaranteed. Jef-ferson Farms, Albany, Ga.

FINLEY'S GOLD COIN YELLOW DENT seed corn, 97% germination, hand picked and graded silks and tassels same time and never fails wet or dry. The seed is a high yielding corn on each. Produces from 35 to 60 bushels per acre on upland with but very little rain. The only corn that goes on the Kansas City market and grades No. 1. Been bred up according to U. S. government standard. 100 pound lots, \$1.75 per bushel; 100 bushel lots to car lots, \$1.50 per bushel f. o. b. Kit Carson, Colo. Order quick before it is all gone. A. M. Finley, Kit Carson, Colo.

CABBAGE AND ONION PLANTS, GENU-ine frost-proof, grown in the open field at Texarkana, Arkansas. Plants will stand colder freezes than those grown further south and east. Strong, hardy, well-rooted plants, moss packed around roots of each bundle of fifty plants and each bundle la-beled separately with name of variety. Cab-bage varieties: Early Jersey Wakefield and Charleston Wakefield, Succession, Early and Late Flat Dutch. Onion varieties: Bermuda, Yellow Bermuda. Prices prepaid parcel post. Prices: 100 for 50c; 200, \$5c; 300, \$1.10; 500, \$1.50; 1,000, \$2.50; ex-press collect \$2.00 the thousand. Full count, prompt shipment, safe arrival and satisfac-tion guaranteed. Union Plant Co., Tex-arkana, Ark.

## STRAYED

CIMARRON, KANSAS, TAKEN UP ON MY premises, in Cimarron township, Gray county, Kansas, one mare mule, two years old, dark brown in color, no marks or brands, one ear leans forward, fair size. Signed C. W. Nelson. Attest: H. N. Hildebrand, County Clerk.

MONTEZUMA, KANSAS, TAKEN UP ON MY premises, on the NE 1/4 of 31-28-29, Montezuma township, Gray county, Kansas, two dark iron gray horses, age about 5 years, no marks or brands, one horse has blaze face, weight about 900 or 1,000 pounds. Signed F. L. Brown. Attest: H. N. Hildebrand, County Clerk.

TAKEN UP BY J. W. FLORENCE, CHERRY township, Montgomery county, State of Kansas, One (1) red dehorned milk cow, white on tip end of tail, weight about nine hundred pounds (900 lbs.) and about eight years old. Taken up January 24, 1921. Ap-praised value, forty dollars (\$40.00). Elmer Joyce, County Clerk, Independence, Kan.



## PET STOCK

LIVE GOLD FISH—TWO BEAUTIFUL gold fish in a half gallon magnifying bowl, \$1.50 C. O. D. Safe arrival by parcel post guaranteed. C. H. Polly, 405 E. 26th St., Kansas City, Mo.

## MISCELLANEOUS

WANTED—A GOOD FARMER WITH small family that knows livestock. Address P. J. Deane, Hays, Kan.

PHONOGRAPH RECORDS AND PIANO Rolls exchanged, trade old for new. Stamp brings list. Fuller, Wichita, Kan.

KODAK FINISHING, ALWAYS RELIABLE. One roll developed and six beautiful velvety prints, 40c. Our prints chemically treated and guaranteed permanent. Chas. S. Wallis, Hiawatha, Kan.

CANE SEED—PURE LATE ORANGE IN bags, \$1.25 per 100 pounds. Sorghum, best quality delicious, made heavy to keep. 25 for 55 gallon barrels. Send P. O. order or check. Missouri Valley Orchards, Tonganoxie, Kan.

GET BETTER KODAK PICTURES BY OUR system of individual criticism and our "brilliantone" finish. Trial order, any size film developed, 10 cents roll; packs 20 cents. Prints 4 cents each. "Once tried, always followed." Kodak Dept., Burlington Studio, Burlington, Kan.

## POULTRY

**Eggs** In order to make it easier for the reader to find the egg advertisements of the breed of poultry in which he is interested, we have eliminated a general column for eggs, and place egg advertisements under the appropriate breed heading with a special sub-heading for the egg department.

## ANDALUSIANS

BLUE ANDALUSIANS, S. C. REDS, \$7.00-100. A. Mullendore, Holton, Kan.

## Andalusians—Eggs

PURE BLUE ANDALUSIAN EGGS, 15-150, \$8.00-100. Postpaid. A. Fladung, Emporia, Kan.

PURE ANDALUSIAN EGGS FOR HATCHING, \$9 per hundred; \$2 for 15. Mrs. C. W. Parks, Eureka, Kan.

## ANCONAS

SINGLE COMB ANCONA COCKERELS, Good birds, \$2.50. E. Rees, Bushon, Kan.

## Anconas—Eggs

SHEPHERD STRAIN ANCONA EGGS, \$8 per 100. Farm range, Barney Kamphaus, Clay Center, Kan.

SINGLE COMB ANCONA EGGS, \$5 100; flock headed by Shepherd strain, Robert Williams, Holcomb, Kan.

FREE-RANGE ANCONAS, HIGH EGG record strains. Eggs 15, \$2; 100, \$8. Mrs. Helen Lill, Mt. Hope, Kan.

SINGLE COMB ANCONAS, HATCHING eggs from pens and flock. Write for list. Roy Rock, Enterprise, Kan.

S. C. ANCONA EGGS, \$6.50 HUNDRED, \$1.25 setting prepaid. D. N. Miller, Hutchinson, Kan., R. No. 5.

SINGLE COMB ANCONA EGGS, MATCH-LESS layers, \$1.50 fifteen, \$8.00 hundred. A. L. Wylie, Clay Center, Kan.

ROYAL STRAIN SINGLE COMB MOTTLED ANCONA, 15 eggs, \$2; 50 for \$4.50; 100, \$8. Julia Ditto, Route 7, Newton, Kan.

SINGLE COMB MOTTLED ANCONA eggs, 15 for \$1.25, 100 for \$6.00. Also a few cockerels. Mrs. Mary Bates, Dighton, Kan.

SHEPARD'S FAMOUS ANCONAS, CHOICE single comb—Farm Range. Eggs, \$1.50 per setting; \$7.00 per hundred. John R. Baker, Downs, Kan.

PAGE'S FARM, SALINA, KANSAS. FREE literature. Tells why we quit other breeds. Eggs 16 \$2.00, 100 \$8.00, 200 \$15.00. Sheet yard, 16 \$5.00, 32 \$9.00. Good cockerels \$2.50. Kansas President Ancona Club.

PALE'S PROFIT PAYERS—ORCHARD HOME S. C. Anconas. Winter layers. Hardy hustlers. Hatching eggs postpaid to 200, 15 for \$2; 50 for \$6; 100 for \$10. Hatch guarantee. Circular free. Frank Pyle, R. 3, Osawatomie, Kan.

ORCHARD HOME S. C. ANCONAS—EGGS—extraordinary winter layers, hardy farm range flock. Hatching eggs, 15 for \$2.00; 50 for \$6.00; 100 for \$10.00. Postage prepaid. Liberal hatch guarantee. Frank Pyle, Route 3, Osawatomie, Kansas.

## BANTAMS

GOLDENSEABRIGHT BANTAMS. ROOSTERS, \$1.25. Prize winning stock. Harry Fisher, Kincaid, Kan.

BUFF COCHIN BANTAMS. WINNERS AT State Show, \$5.00 to \$10.00 pair. Eggs, 15 cents each. F. C. Spurrier, Box 69, Topeka, Kan.

## BRAHMAS

SIZE AND QUALITY LIGHT BRAHMA cockerels, \$3 to \$5 each. Eggs, \$2.00 for 15; \$10.00 per 100. C. S. Holtzinger, Ellis, Kan.

## BABY CHICKS

WHITE WYANDOTTE CHICKS, 18c; APRIL 5th delivery. J. W. Hoyt, Milan, Kan.

SINGLE COMB WHITE LEGHORN chicks, 15c each. Anna Hege, Sedgwick, Kan.

BETTER ROSE COMB REDS FROM WIN-ter layers, 18c postpaid. Mrs. Gilbert Smith, Lyons, Kan.

ROSE COMB REDS, CHOICE STOCK. Chicks, 20c. Eggs, 15, \$1.50. Lucy Rupprecht, Lucas, Kan.

BABY CHICKS—PURE BRED SINGLE Comb White Leghorns, 17c each. J. P. McPherson, McPherson, Kan.

CHICKS, RINGLET ROCKS, MARCH TILL May delivery guaranteed, \$18 100 eggs. Mary Wilson, Melvern, Kan.

BABY CHICKS 15c POSTPAID. S. C. W. Leghorns mated to Ferris cockerels. Ernest Lindgren, Lanham, Kan.

YOUNKIN'S CHICKS, BUFF ORPINGTONS, White Rocks, 19c. Barred Rocks, Brown and Buff Leghorns, 17c. White Leghorns, 16c. Postpaid. Live delivery. Younklin's Hatchery, Wakefield, Kan.

## BABY CHICKS

BUFF ROCK BABY CHICKS, HEN hatched, 20c. Eggs, 50, \$3.75; 100, \$7. Leitch Sisters, Parkerville, Kan.

BLACK LANGSHAN CHICKS, 20 CENTS. Eggs, 15, \$1.50; 100, \$8. Hogan tested stock. Mrs. Geo. King, Solomon, Kan.

BABY CHICKS—20 BEST VARIETIES, bred to lay. Insured, postpaid. Write for price list. H. J. Steinmesch, St. Louis, Mo.

PURE S. C. WHITE LEGHORN CHICKS 14c; R. I. Reds, 15c. Prepaid. Satisfaction guaranteed. C. G. Cook, Lyons, Kan.

YESTERLAID'S SINGLE COMB WHITE Leghorns, Chicks, \$17 hundred; eggs, \$7 hundred. Mrs. Earl Hennigh, Sabetha, Kan.

BABY CHICKS 15c POSTPAID, SINGLE Comb White Leghorns mated to Ferris cockerels. Ernest Lindgren, Lanham, Kan.

SINGLE COMB BROWN LEGHORN EGGS—from prize winning cockerels, \$6 per 100; \$1.25 per 15; prepaid. Amos Becker, Moundridge, Kan.

BARRON ENGLISH SINGLE COMB WHITE Leghorn baby chicks, \$17 per 100. Eggs, \$7 per 100 postpaid. Elizabeth Green, R. 1, Concordia, Kan.

ROSE COMB RHODE ISLAND RED BABY chicks, 20c, from dark red hens that are winter layers. Eggs, \$8 100. Mrs. Geo. Brix, White City, Kan.

CHICKS—CHOICE—ROSE COMB REDS—from selected layers, 18 cents, 50 prepaid. Satisfaction guaranteed. Adda Walker, White City, Kan.

BABY CHICKS—SINGLE COMB WHITE Leghorns. Yesterday-Ferris strains, \$16 per 100, live arrival, prepaid. Myers Hatchery, Clay Center, Kansas.

PURE BARRED ROCK CHICKS, 20c EACH. Eggs, \$7 hundred. Single Comb White Leghorn chicks, 16c; eggs, \$6. Mrs. A. J. Huff, Chapman, Kan.

BABY CHICKS—SINGLE COMB WHITE Leghorns. Guaranteed live delivery. Postpaid, \$16 per hundred. Duckwall's Hatchery, Abilene, Kan.

WHITE AND BROWN LEGHORNS, \$15; Reds and Barred Rocks, \$16; White Rocks and Buff Orpingtons, \$17; Anconas, \$19. Fleda Jenkins, Jewell, Kan.

BABY CHICKS—SINGLE COMB WHITE Leghorns, fifteen cents each. Single Comb Reds, sixteen cents. Postpaid. Live delivery. J. E. Blumens, Kincaid, Kan.

WANTED—10,000 BABY CHICKS, LIGHT Brahmas, Silver-Wyandottes, Spangled Hamburgs, Rose Comb Leghorns, Brown and White. Clark Ely, Alcott Station, Denver, Colo.

BABY CHICKS—18 LEADING VARIETIES, Rocks, Reds, Orpingtons, Wyandottes, Minorcas, Anconas, Leghorns. Send for circular today. S. M. Dean, Box 416, Fort Dodge, Iowa.

BABY CHICKS—ALL BREEDS, PURE bred, certified heavy egg-production. Hogan test. Popular prices. 60 page poultry calendar book free. Elwood Pusey, Liverpool, Ohio.

BABY CHICKS—LEADING BREEDS, BEST grade. Rock bottom prices. Postpaid. Guaranteed. Delivery any time you wish. 100 page catalog-book free. Superior Hatchery, Windsor, Mo.

BABY CHICKS, EGGS—PURE BRED, selected winter layers. Leghorns, Rocks, Reds, Orpingtons, Anconas. Postpaid. Reasonable prices. Interesting catalog free. Booth Poultry-Farms, Clinton, Mo.

BABY CHICKS, STRONG VIGOROUS, White, Brown Leghorns, 17c; Buff Orpingtons, Barred Rocks, Buff Leghorns, Reds, 18c. Immediate live delivery, prepaid. Ross Hatchery, Junction City, Kan.

BABY CHICKS—S. C. W. LEGHORNS, Barron English strain from my prize winning farm-flock. \$16 per hundred. Postpaid. Satisfaction guaranteed. All other kinds hatched. Mrs. C. F. White, Route 4, N. Topeka.

HIGH QUALITY BABY CHICKS, LEADING varieties. Guaranteed purebred, vigorous stock, \$15.00 per 100 up. 10% discount for cash in full with order. Parcel postpaid. Safe delivery guaranteed. Catalogue free. Leo Anderson, Juniata, Nebr.

REAP REAL POULTRY PROFITS WITH Mid-West "Better Baby Chicks." Reds, Rocks, Wyandottes, Leghorns, Anconas, Minorcas, Orpingtons. Shipped anywhere postpaid. Write now for illustrated catalog. Mid-West Hatcheries. Head Office: 672 Dearborn Bank Bldg., Chicago.

HEALTHY CHICKS FROM ELECTRIC incubators. Langshans, White, Barred Rocks, 20c; 2c per chick lower on all but leftovers. Brown, White Leghorns and broiler stock, 18c; leftovers, 15c. Fancy quality, 25c. Prepaid. Live arrival. Edward Steinhoff, Leon, Kan.

BABY CHICKS, ROCKS, REDS, WYANDOTTES, Orpingtons, Minorcas, Anconas and Leghorns. Standard bred. 25 chicks, \$7.50; 50 for \$14.00; 100 for \$27.00; 500 for \$125.00; 1,000 for \$240. 25 per cent with order. Live delivery guaranteed. Allums Chick Hatchery, Box B502, Wichita, Kan.

HIGH-GRADE BRED-TO-LAY BABY Chicks. Nine leading varieties. Now is the time to improve the farm poultry by securing scientifically bred to lay chicks and increase your poultry profits. Write for catalog and see what our satisfied customers have to say. Huber's Reliable Hatchery, Dept. B, Hiawatha, Kan.

## Buttercup—Eggs

BUTTERCUP EGGS, SPECIAL PEN, 15, \$2.50. Range \$2.00, 100 \$7.00. Silver Shade Poultry Yards, Pittsburg, Kan.

## Campine—Eggs

SILVER CAMPINE EGGS, \$2 PER 15, prepaid. E. H. Cory, Parsons, Kan.

## DUCKS

BUFF ORPINGTON DUCKS, THE KIND that pay. Drakes \$3. Eggs, 13 \$2.26 \$3.50. Mrs. Chas. Snyder, Effingham, Kan.

## Ducks—Eggs

WHITE-PEKIN DUCK EGGS, \$2.00-11. Prepaid. Mrs. W. A. Stagner, Plainville, Kan.

INDIAN RUNNER FAWN AND WHITE eggs, 12, \$1.25; 25, \$2.25. C. E. Romary, Olivet, Kan.

LARGE MAMMOTH PEKIN DUCK EGGS, 11, \$1.50, and pure bred Barred Rock eggs, 15, \$1.50. Vivien Hind, Madison, Kan.

## Houdan—Eggs

PURE BRED HOUDAN EGGS, 15-25.50, 45-60.00. Postpaid. Henry Haberman, Great Bend, Kan.

## Geese—Eggs

TOULOUSE GESE EGGS, 30 CENTS EACH. Nettle Erickson, Strong, Kan.

TOULOUSE GESE EGGS, \$2.50 PER SETTING. Mrs. Fitzpatrick, Danville, Kan.

## Hamburg—Eggs

PURE SILVER SPANGLED HAMBURG eggs, \$1.50-15, \$4.00-50, \$8.00-100. Mrs. M. Hoehn, Lenexa, Kan.

PURE SILVER SPANGLED HAMBURG eggs, 15-22.00, 50-55.00, 100-59.00. Mrs. Ben Hitchens, Burlington, Kan.

## LANGSHANS

BLACK LANGSHAN COCKERELS, \$2. M. Mae Priest, Blue Mound, Kan.

BLACK LANGSHANS, COCKERELS AND hens, \$2 and up. Omega Morton, Dunlap, Kan.

BLACK LANGSHAN COCKERELS, LOVETT strain, \$3. Mrs. R. J. Heffling, Burrton, Kan.

BLACK LANGSHAN COCKERELS FROM state and national prize winners. \$3 to \$5 each. Pedigreed stock. Baby chicks. Eggs. Jno. Lovette, Mullinville, Kan.

## Langshan—Eggs

WHITE LANGSHAN EGGS, \$1.50 15; \$7 100. Rowe & Hodgins, Lane, Kan.

WHITE LANGSHAN EGGS, \$6.00 PER 100. Wm. Wischmeyer, Mayetta, Kan.

PURE BRED WHITE LANGSHAN EGGS, \$7-100. Orlett Lovelace, Concordia, Kan.

PURE BLACK LANGSHAN EGGS, \$1.50 for 15, \$3.50 50, \$6.00 100. Chas. S. Moon, Pratt, Kan.

LARGE TYPE BLACK LANGSHAN EGGS, 100, \$6.50; 50, \$3.50. Mrs. Chas. Stewart, Douglas, Kansas.

BLACK LANGSHAN EGGS, GOOD LAYERS, 15, \$2.00; 100, \$10.00. Glidewell, Hal-lowell, Kan.

BLACK LANGSHAN COCKERELS FROM blue ribbon winners. Eggs, 100, \$7; 50, \$4. Mrs. D. A. Swank, Blue Mound, Kan.

PURE BRED WHITE LANGSHANS, EX-celent layers. Eggs, \$1.50 setting; \$8 hundred. H. L. Cudney, Fravel, Kan.

STANDARD BRED WHITE LANGSHANS. Eggs in season, \$2.50 per 15, 30 for \$4. Mrs. Floyd Louderbaugh, Route 3, Lincoln, Kan.

PURE BRED WHITE LANGSHAN EGGS. Prize pen, \$3.50-15; second pen, \$2.00; range, \$1.50; range, \$6-100. Baby chicks, 20c, 30c, 40c. Sarah Greisel, Altoona, Kan.

FOR LACK OF EQUIPMENT AM RUN-ning prize winning and exhibition Black Langshans with entire flock, which makes an ideal utility flock, capacity tested. Eggs this season, \$8 100. Oille Ammon, Neta-waka, Kan.

BLACK LANGSHANS—WORLD'S BEST strain. Winners National Egg contest and World's best shows. Extra good stock. Staples, Myers strain. Eggs \$3.00 per 15; 30-\$5.00 postpaid. Mrs. Joe H. Williams, Houstonia, Mo.

## LEGHORNS

L. D. GOOCH, HUGOTON, KAN., WILL sell R. Comb Brown Leghorn cockerels, \$1.50 up.

DARK STRAIN SINGLE COMB BROWN Leghorns, farm flock; heavy layers. Eggs 6c. Baby chicks, 15c. Mrs. G. M. Jennings, Melvern, Kan.

EXTRA QUALITY SINGLE COMB DARK brown Leghorns, egg bred stock. Cockerels \$3.00, eggs for hatching \$2.00 per 15, \$8.00 for 100. Plainview Farm, Lebo, Kan.

IMPORTED WHITE LEGHORNS. FREE booklet how we make poultry pay (not theory). Sixteen years' practical experience with bred-to-lay White Leghorns stock imported direct from England. Sunny Slope Farm, Morrison, Okla.

SINGLE COMB WHITE LEGHORNS, 265 to 280 egg strain. Bred for eggs and pro-duce them when prices are highest. Hatching eggs sent post prepaid. Get the kind that fill the purse. Write for prices. Low-land Poultry Farm, Hollis, Kan.

HEADQUARTERS FOR BUFF LEGHORNS Wilson's egg (bread) winners, winners at the recent Chicago Coliseum and Kansas State Show, Topeka. Every bird under the ribbons, everyone from a high producer. Mating list ready. Herb Wilson, Holton, Kan.

SINGLE COMB WHITE LEGHORNS, Ackerman's Dollar Sign strain, trapnest bred to record 278 eggs. Past winners sweep-stakes, silver cups, Kansas City, Kansas State Show, Topeka, etc. Few cockerels, \$3.50 to \$5. Eggs, \$3 100 up. Chicks, \$20 100 up. Fertility and delivery guaranteed. Big cata-log free. Dr. C. Ackerman, Dept. A, Stew-artsville, Mo.

BUFF LEGHORNS—HAINES' HUSTLER strain. First, second cock; second, third cockerel Dallas, Texas, State Show. First, third cockerel, fourth, fifth pullet, Okla-homa State Show. One hundred fine cock-erels from our pens, \$3 up. Eggs, three ex-hibition matings trapnested. Five hundred free range females, eggs, 120, \$10. Haines, R. 1, Box 37, Rosalia, Kan.

## Leghorns—Eggs

S. C. BUFF LEGHORN EGGS, \$7 PER 108. J. A. Reed, Lyons, Kan.

SINGLE COMB BUFF LEGHORN EGGS. A. A. Wales, Downs, Kan.

SINGLE COMB BUFF LEGHORN EGGS. Fenton Weeks, Belleville, Kan.

ROSE COMB BROWN LEGHORN EGGS, 5c. Ida Standiford, Reading, Kan.

ROSE COMB BROWN LEGHORN EGGS, \$6 100. Mary Rose, Paola, Kan.

SINGLE COMB BROWN LEGHORN EGGS, 6 cents. P. B. Cole, Sharon, Kan.

EGGS—PURE S. C. BUFF LEGHORNS, \$6 100. Mrs. S. F. Crites, Florence, Kan.

BUFF LEGHORN EGGS, WOOD'S STRAIN, \$6 100. Maude Franklin, Melvern, Kan.

ROSE COMB BROWN LEGHORN EGGS, 108, \$6. Elizabeth Evans, Wilsey, Kan.

SINGLE COMB BROWN LEGHORN EGGS, \$5 per 100. Sophia Hunt, Blue Rapids, Kan.

PURE BRED SINGLE COMB BUFF LEG-horn eggs, 6c. Mae Morrison, Linn, Kan.

PURE BRED BUFF LEGHORN EGGS, SIX dollars hundred. Lula Roberts, Paola, Kan.

SINGLE COMB BUFF LEGHORN EGGS, \$6 hundred. James J. Bennett, Water-ville, Kan.

PURE ROSE COMB BROWN LEGHORN eggs, 15, \$1.50 prepaid. Mrs. Tom Curd, Perry, Kan.

## Leghorns—Eggs

S. C. BUFF LEGHORN EGGS, 6c, POST-paid. Cockerels, \$1.50. Walter Axtell, Axtell, Kan.

BUFF LEGHORN EGGS ALL THROUGH season, \$5 per hundred. Frank McMahon, Toronto, Kan.

HILLVIEW WHITE LEGHORN EGGS, \$5 hundred postpaid. Allen Bilderback, Nor-tonville, Kan.

STANDARD BRED SINGLE COMB WHITE Leghorn eggs, \$6 100. Mrs. Anton Triska, Hanover, Kan.

S. C. W. LEGHORN EGGS, \$6 HUNDRED; one dollar 15. M. Burton, R. 4, Box 71, Haddam, Kan.

PURE BRED SINGLE COMB BROWN Leghorn eggs, \$6.50 100. Mrs. Culp Elsea, Lake City, Kan.

SINGLE COMB BROWN LEGHORN EGGS, \$1.50 setting, \$6.00 100. J. H. McGinnis, Fall River, Kan.

ROSE COMB BROWN LEGHORN EGGS. Fine laying stock, \$6 per 100. Mrs. John Butts, Goff, Kan.

ROYAL OAKS POULTRY FARM, CABOOL, Mo. Headquarters for pure English Leg-horns. Stock eggs.

S. C. BUFF LEGHORN EGGS FROM high scoring birds, \$6.00 hundred. L. E. Day, Paola, Kan.

RANGE WHITE LEGHORN SETTING eggs, 30 dozen \$15. 12 dozen \$7. R. L. Calvert, Kennett, Kan.

PURE BRED SINGLE COMB BROWN LEG-horns. Eggs, \$6.50 hundred. Mrs. Culp Elsea, Lake City, Kan.

ROSE COMB BROWN LEGHORNS, Kulp's strain, 100 eggs \$6.00 prepaid. Ida Shigley, LaHarpe, Kan.

FERRIS 265-300 EGG WHITE LEGHORNS, \$1.25 setting prepaid. Ralph Johnson, Matfield Green, Kan.

PURE BRED S. C. WHITE LEGHORN eggs, \$5 100. Hogan tested. Mrs. Chas. Bullis, Springhill, Kan.

GOLDEN BUFF LEGHORNS SINGLE Comb extra layers. Eggs, 100, \$6. Ella Beatty, Lyndon, Kan.

EGGS—SINGLE COMB WHITE LEGHORNS. Keep-laying strain. T. R. Wolfe, Route 2, Conway Springs, Kan.

SINGLE COMB BUFF LEGHORN EGGS, \$5 per hundred from choice flock. Will Lambertson, Ada, Kan.

BARRON'S SINGLE COMB WHITE LEG-horns. Eggs, 15, \$3; 100, \$14. R. W. Hills, Bentonville, Ark.

ENGLISH STRAIN SINGLE COMB WHITE Leghorn eggs, \$5.00 100. Mrs. F. W. Smith, Mound City, Kan.

FERRIS SINGLE COMB WHITE LEG-horns. Incubator eggs, \$7 per 100. L. B. Ricketts, Greensburg, Kan.

SINGLE COMB BUFF LEGHORN EGGS, \$6 hundred; 16, \$1.25. 14 years exclusive. Mary Moyer, Oakhill, Kan.

BARRON'S BEST SINGLE COMB WHITE Leghorns, selected eggs, 7c prepaid. Myrtle Whittington, Kincaid, Kan.

BARRON'S SINGLE COMB WHITE LEG-horn eggs, \$7 100. Hogan tested. Mrs. Della Cashman, Jewell, Kan.

PURE BRED SINGLE COMB BUFF LEG-horn eggs, Heasley strain, \$6 100. Will McKissick, Minneola, Kan.

SINGLE COMB BUFF LEGHORN EGGS, \$4 100. Baby chicks, \$20 100. Norma Graham, Route 1, Florence, Kan.

PURE BRED S. C. BUFF LEGHORNS, great layers. Eggs, 100, \$7. Chicks, 20c. Herbert Rhodes, Clifton, Kan.

PRIZE WINNING SINGLE COMB BROWN Leghorns. Eggs, 100, \$5.50; 30, \$1.75. Charles Dorr, Osage City, Kan.

SINGLE COMB WHITE LEGHORN EGGS. Mature stock. Five dollars per hundred. Edna F. Jennings, Lebo, Kan.

PURE FERRIS, BARRON S. C. W. LEG-horn eggs, 15 \$1.50, 100 \$8.00. Mrs. Cleo Waldorf, Caldwell, Kan., R. 1.

SINGLE COMB BUFF LEGHORN EGGS, Herren strain, \$2 setting; \$8 hundred. Frank Zieckfoose, Rossville, Kan.

BARRON STRAIN SINGLE COMB WHITE Leghorns. Eggs, 100, \$5, local; shipped, \$7. A. F. Vossman, Delphos, Kan.

PURE SINGLE COMB BROWN LEG-horns, eggs \$6-100, baby chicks 15c. Mrs. Hannah Burnett, Osage City, Kan.

ROSE COMB BROWN LEGHORN EGGS. Kulp Winter Layers, \$7.00 per hundred. Mrs. Ethel Wagner, Kinsey, Kan.



## Leghorns—Eggs

**S. C. W. LEHORN EGGS—WYCKOFF.** Wintery, Barron strain, \$5.00 hundred. Range stock, Carrie W. Learned, Plevna, Kan.

**SINGLE COMB WHITE LEHORN EGGS.** prize winning, laying strain, \$2 for 15. Moorish White Leghorn Plant, Burlington, Kan.

**YESTERLAI'S SINGLE COMB WHITE** Leghorn eggs, \$7 hundred. Chicks \$17 hundred. Mrs. Hayes Showman, Sabetha, Kansas.

**S. C. W. LEHORNS, BARRON-TANCRED** strain, \$8 per hundred, 10 eggs free; 100% fertility guaranteed. W. H. Sylvester, Minneapolis, Kan.

**WHITE LEHORNS, FERRIS 265-TO 300** egg strain. Eggs, \$7.00 hundred. Baby chicks, \$18.00 hundred. Claude Hamilton, Garnett, Kan.

**FERRIS SINGLE COMB WHITE LEHORN** eggs, six dollars hundred, prepaid. Chicks, fifteen dollars, April delivery. Carl Elliott, Harper, Kan.

**PURE SINGLE COMB DARK BROWN** Leghorn eggs. Thrifty range flock. Heavy layers, \$6.50 per 100. Mrs. Harvey Crabb, Bucklin, Kan.

**S. C. WHITE LEHORN EGGS FROM** trapped hens; 283 egg strain. \$8.00 per 100; \$1.50 for 15. Mrs. Alice Jester, Fairfield, Neb.

**D. W. YOUNG'S AND TOM BARRON'S** English Single Comb White Leghorn eggs, \$6 hundred; \$1.25 setting. Roy Fulmer, Wamego, Kan.

**PURE SINGLE COMB BROWN LEG-** horns. Professionally culled, heavy layers. Chicks, \$7 hundred. Enos Tiller, Scottsville, Kan.

**FINE BARRED ROCK EGGS.** 15, \$1.50; 50, \$3.50; 100, \$7. Prepaid. Fertility, quality, safe delivery guaranteed. Mrs. D. A. Rodgers, Concordia, Kan.

**SINGLE COMB BROWN LEHORN EGGS.** Professionally culled. Orders promptly filled. 15, \$1.30; 100, \$8 prepaid. Easter Bros., Abilene, Kan.

**ROSE COMB BUFF / LEHORN EGGS.** \$10.00 per 100. Single Comb White Leghorn chicks, \$17.00 per 100. Mrs. John Zimmerman, Sabetha, Kan.

**282-287 EGG LINE BARRONS, SINGLE** Comb White Leghorns. "Hogan tested" cockerels, \$5. Eggs, \$8 100. Circulars, Joseph Cretz, Beloit, Kan.

**SINGLE COMB WHITE LEHORNS, FAM-** ous Young strain. Exhibition egg bred. Quality guaranteed. Eggs, 100, \$7. Dave Baker, Conway Springs, Kan.

**EVERYDAY, BURCHER'S BIG TYPE** prize-winning Single Comb Brown Leghorns, bred to lay eggs 100 \$5.50, 15 \$1.50. Robert Burcher, Winsley, Kan.

**SINGLE COMB WHITE LEHORNS, EGGS.** \$7 100. Baby chicks, \$16 100. Range flock selected for type and egg production. Ernest Smith, Herington, Kan.

**HATCHING EGGS—SINGLE COMB WHITE** Leghorn from best laying strain in Missouri, good hatch guaranteed, \$8-100, \$2-15. W. K. Trumbo, Scammon, Kan.

**PURE SINGLE COMB BROWN LEHORN** eggs, \$6 per hundred prepaid. Range flock bred to high egg strain cockerels. Mrs. Nell Wilcox, R. 1, Ford, Kan.

**TOM BARRON S. C. W. LEHORN EGGS** from flock mated to pedigreed cockerels. \$7 per 100. Range flock \$4 per 100. Mrs. Walter Christopher, Milford, Kan.

**BUFF LEHORNS, SINGLE COMB, EGG-** bred and exhibition. Bred up from best flocks in America. Range eggs, \$5.50 per 100. Chester Hines, Emporia, Kan.

**WE BUY OUR TOM BARRON WHITE** Leghorns direct from importer. Eggs, \$8.00 hundred, prepaid. Satisfaction guaranteed. Grant Miller, Madison, Kan.

**PURE BRED SINGLE COMB BROWN** Leghorn eggs, for hatching, from extra high producing range flock. Five dollars hundred. Mrs. Ople O. Mowrey, Luray, Kan.

**SINGLE COMB DARK BROWN LEHORN** eggs. Heavy layers, large lopped comb type. 15 for \$1.50. Parcel post prepaid; \$8 100. Mrs. Henry Vansickle, Cambridge, Kan.

**IVES SINGLE COMB BROWN LEHORNS** (Light) win, lay, pay. First prize pens: eggs, \$3.00; \$5.00; 15 prepaid. Range \$8.00, 100. Chicks, Circular, Ives, Knobnoster, Mo.

**SINGLE COMB WHITE LEHORN, BAR-** ron strain, special mating. Eggs, \$3.00 per 15, \$11.00 per 100. Range eggs, \$7.00 per 100. L. Anderson, Route No. 3, North Topeka.

**IMPORTED ENGLISH SINGLE COMB** White Leghorn eggs, from flocks headed by cockerels from 288-300 egg hens, \$6 hundred; \$1.25 setting. Roy Blackwelder, Isabel, Kan.

**PURE BRED R. C. DARK BROWN LEG-** horn eggs from fine winter laying stock. \$6 per hundred. Satisfaction guaranteed. Also baby chicks, 15c. Maude Henkle, R. 1, LeRoy, Kan.

**RYAN'S QUALITY SINGLE COMB, DARK** Brown Leghorns, prepaid eggs, 105 \$7.00; 150 \$10; 300 \$18.50; chicks 100, \$17.50; satisfied customers in 13 states. Mrs. D. J. Ryan, Centralia, Kan.

**PURE SINGLE COMB WHITE LEHORNS,** Barron strain. Fine winter layers. Eggs, \$5.50 per hundred, parcel post prepaid. Why maintain war prices? Mrs. Wm. C. Wilcox, Ford, Kan.

**PURE BARRON ENGLISH SINGLE COMB** White Leghorns, direct from importer. Select pen eggs, \$2.00-15. Fine range, \$6.00-100. Fertility guaranteed. Catalog. Mrs. Clyde Meyers, Fredonia, Kan.

**SINGLE COMB WHITE LEHORNS, ENG-** lish strain. Every cockerel at head of our flock from imported stock with record of 244 eggs or better fifteenth year, one breed. Eggs, \$8 per hundred. Harry Givens, Manhattan, Kan.

**ALL QUALITY STRAIN S. C. BUFF LEG-** horns. Choice range flock. Even better winners and layers. Selected eggs, \$3.00; \$5.00; 100, \$8.00. Mrs. J. L. Dignan, Kelly, Kansas.

**S. C. GOLDEN BUFF LEHORNS OF 200-** 297 laying strain. Heavy layers. Range eggs, \$8.50 100; \$5 50; \$2 15. Flock pen, \$3.50 15. Satisfaction guaranteed. Mrs. John Witmer, Oskaloosa, Kan.

**WHITE LEHORNS—BRED FOR EGGS** only; 288 egg strain. Blue ribbon winners nation egg laying contest, Mountain Grove. Eggs, \$7 100; \$12 200; \$20 350. Wible's Poultry Farm, Chanute, Kan.

**S. C. WHITE LEHORN EGGS FOR** hatching. Foundation direct from Young-Ferris-Yesterlaid best. Large vigorous winter layers. None better. Hogan system culled. \$8 per 100 prepaid. Satisfaction guaranteed. L. O. Wiemeyer, Route 3, Halstead, Kan.

## Leghorns—Eggs

**HEAVY LAYING SINGLE COMB WHITE** Leghorn. Yesterlaid-Ferris strain, mated with Yesterlaid 261 egg trapped and pedigree stock. \$7 per 100. Extra eggs, prepaid. Mrs. L. B. Takemore, Silver Lake, Kansas.

**S. C. B. LEHORN, 15 YEARS' EXCLU-** sive breeding. Winnings of 30 prizes 1920-21. First prize, Cockerel State Show, Culp & Tormolen strain. Eggs, \$2.25-15; \$5.50-50; \$10.00-100. Chicks, \$20-100. Prepaid Catalogue. Hudson, Fulton, Kan.

**ENGLISH TOM BARRON LARGE KIND,** flock from 288 egg, trapped stock. Paid \$2 per egg to produce cockerels which head flock, grandsons of "Lady Victory," champion hen 1918. This kind of blood, 110 eggs, \$9. Perry Deltrich, Miltonvale, Kan.

**WE BUY OUR TOM BARRON WHITE** Leghorns direct from importer. Eggs \$6 per hundred, prepaid. Satisfaction guaranteed. Grant Miller, Madison, Kansas. Publishers Note: This ad was omitted thru error and Mr. Miller has reduced his egg price \$2.00 a hundred because of the lateness of the season.

**KOCH'S SINGLE COMB (EITHER DARK** or light) Brown Leghorns. 16 years experience. Eggs from my mated pens. Dark matings, \$4 and \$3 for 15. Light matings, \$3.50 and \$2.50 for 15. From free range flock, \$7 per 100. We still have a number of cockerels at \$2, \$3 and \$5 each. G. A. Koch, Ellinwood, Kan.

## MINORCAS

**SINGLE COMB BLACK MINORCA COCK-** erels for sale, \$3 apiece. Also eggs for hatching, \$8 per 100; setting, \$1.50. Prepaid. S. J. Croner, R. 6, Garnett, Kan.

**Minorcas—Eggs**

**PURE BLACK MINORCA EGGS, \$6.00, 100.** Henry Schumaker, Clifton, Kan.

**PURE BRED SINGLE COMB BLACK MIN-** orca eggs, 100, \$6. Furman Porter, Richmond, Kan.

**SINGLE COMB BLACK MINORCA EGGS,** baby chicks. R. C. Kelman, Arlington, Kansas.

**MINORCA EGGS AND BABY CHICKS.** Catalog free. Claude Hamilton, Garnett, Kan.

**PURE BRED S. C. BLACK MINORCAS,** choice farm flock. Eggs, 100, \$7. Pen blue ribbon winners 1921, 15 eggs, \$3. Chicks, 20c. Herbert Rhodes, Clifton, Kan.

**PURE GIANT STRAIN, SINGLE COMB** black Minorca eggs \$7, 100. Martha Greenwood, Clifton, Kan.

**GIANT SINGLE COMB BLACK MINORCA** eggs for hatching, \$8.00; 15, \$1.50. Prepaid. E. S. Alexander, Axtell, Kan.

## ORPINGTONS.

**GOOD BUFF ORPINGTONS. WRITE FOR** mating list. J. A. Kauffman, Abilene, Kan.

**WHITE ORPINGTONS, BLUE RIBBON** winners and winter layers. Mating list free. Goodrich & Harper, 712 Topeka Ave., Topeka, Kansas.

**WHITE ORPINGTON COCKS AND COCK-** erels, graded by Mountain Grove System. J. H. Lansing, Chase, Kansas.

**70 SINGLE COMB BUFF ORPINGTON** cockerels, Champion strain, \$2.50 up. Eggs, \$8 100. H. C. Davis, Denison, Kan.

**Orpingtons—Eggs**

**SINGLE COMB BUFF ORPINGTON EGGS,** \$5 hundred. Roy Anderson, Blair, Neb.

**PURE BRED BARRED ROCK EGGS, 15,** \$1; 100, \$6. G. C. Rhorer, Lewis, Kan.

**S. C. B. ORPINGTON EGGS, \$6 PER 100;** \$1 per setting. M. Burton, Haddam, Kan.

**BUFF ORPINGTONS, EGGS, \$6 100.** Laying strain. Charles Brown, Parkerville, Kan.

**S. C. BUFF ORPINGTON EGGS, \$8 PER** hundred. Alice McCreight, Quenemo, Kan.

**S. C. BUFF ORPINGTON EGGS, \$2 PER 15.** Mrs. Elmer J. Bird, Great Bend, Kansas, R. 4.

**SINGLE COMB WHITE ORPINGTON EGGS** \$6.00 hundred. Mrs. Perry Green, Jarbalo, Kansas.

**S. C. BUFF ORPINGTON HATCHING EGGS,** \$5.50 per 100. Mrs. Geo. McAdams, Holton, Kan.

**BUFF ORPINGTON EGGS, \$10.00 hundred.** Pens, \$3.00 15. Mrs. Geo. E. Smith, Osborne, Kan.

**WHITE ORPINGTON EGGS, SETTING \$1,** 100 \$6, good layers. Lettie Vining, Mahaska, Kan.

**WHITE ORPINGTON (BYERS-MORRIS)** eggs. Card for information. C. Riddleberger, Belleville, Kan.

**SINGLE COMB BUFF ORPINGTON EGGS,** 15 eggs, \$1.50; 100, \$8. Mrs. Claud Bridgeman, Abbyville, Kan.

**PURE BRED S. C. WHITE ORPINGTON** eggs, \$1.50 setting; \$6 hundred. Mrs. Wm. Imhoff, Hanover, Kan.

**SINGLE COMB WHITE ORPINGTON EGGS,** for hatching, \$1.50 per setting; \$7 per 100. Louis Metzger, Haddam, Kan.

**PRIZE WINNING S. C. BUFF ORPINGTON** eggs for hatching, \$2.50 for 16 delivered. Chas. H. Howe, Pittsburg, Kan.

**BUFF ORPINGTON EGGS, \$1.50 SETTING,** \$7.50 per 100. Baby chicks 20c, prepaid. Ralph Chapman, Hackney, Kan.

**CRYSTAL WHITE ORPINGTON EGGS.** Kellerstrass strain, \$6.00 per hundred. Gordon North, White City, Kan.

**STANDARD BRED BUFF ORPINGTONS.** Winter layers. Eggs \$5.00, 50; \$8.00, 100. Mrs. Anton Friska, Hanover, Kan.

**PURE BRED S. C. BUFF ORPINGTON,** Cook and Owen's strains, eggs 50, \$4.00; 100, \$7.50. Homer Black, Carneiro, Kan.

**PURE BRED S. C. BUFF ORPINGTON** eggs, \$1.50, 15; \$4, 50; \$7, 100. Postpaid. Mrs. W. M. Scherman, Olathe, Kan., R. 3.

**S. C. BUFF ORPINGTON EGGS FROM EX-** cellent layers, \$3 per 25, postpaid; fertility guaranteed. R. D. Wyckoff, Luray, Kan.

**BUFF ORPINGTON EGGS, BEAUTIFUL** flock, extra large, good color. 15-\$1.50, 100-\$4.50. Mrs. Edward Welter, Flush, Kan.

**S. C. BUFF ORPINGTON EGGS, WINTER** layers, 100, \$8, less number 10c. Baby chicks 20c. Mrs. Ola Kaupp, Dennis, Kan.

**BUFF ORPINGTONS, SHANKS STRAIN.** Eggs 2 and 2 dollars. English White Leghorns \$1 per 15. L. F. Lantz, La Junta, Colo.

**BUFF ORPINGTON EGGS, BEST FLOCK** in West. Metz strain, infertiles replaced once, \$2.00, \$3.00, 15. L. V. Tate, Lakin, Kan.

## Orpingtons—Eggs

**WHITE ORPINGTON EGGS, KELLER-** strass, \$30 mating. Large white winter layers, \$5.25 per 100. Thelma Zook, Columbus, Kan.

**BUFF AND WHITE ORPINGTONS—PRIZE** winners at Lebo, Hartford and Burlington fairs. \$2.50 for 15. Mrs. John Bowman, Hartford, Kan., R. 2.

**S. C. WHITE ORPINGTONS, KELLER-** strass strain. Healthy farm range stock. Splendid layers. Eggs, 15, \$1.50; 50, \$4; 100, \$6.50. Mrs. Alice Wingert, Olivet, Kan.

**PURE BRED BUFF ORPINGTON EGGS** for hatching by setting or hundred. The eggs are from fine prize winning stock, no deformed or small eggs shipped. If you want to get real satisfaction write W. G. Saip, Belleville, Kan.

**S. C. BUFF ORPINGTON EGGS, PULLETS** out of Owensmales direct, mated with blue ribbon birds of America's foremost strains direct. Farm range; no pens. Large, healthy stock. High fertility test—proven by own hatches. Good laying strain. 15, \$2.50; 30, \$3.50; otherwise 10c each. Mrs. Ida Sheridan, Carneiro, Kan.

## PEAFOWL

**PEAFOWL FOR SALE, CHOICE ADULT** and young stock. Hiram Yodes, 1712 Buena Vista, San Antonio, Texas.

## PLYMOUTH ROCKS

**WHITE ROCK COCKERELS, \$5 EACH.** Mrs. J. H. Taylor, Chapman, Kansas.

**WHITE ROCK COCKERELS, \$3. EGGS** for hatching. J. R. Applebaugh, Cherryvale, Kan.

**BUFF ROCKS—COCKERELS AND EGGS** from prize stock. Farm range. J. K. Hammond, Neal, Kan.

**WILBURTHA STRAIN WHITE ROCK** cockerels, \$4. Eggs, \$8 per 100. P. C. DeBusk, Macksville, Kan.

**QUALITY WHITE ROCKS. EGGS FROM** good layers. Five choice cockerels, \$5. Mrs. Chas. Snyder, Effingham, Kan.

**BARRED PLYMOUTH ROCK COCKERELS** at \$3 and \$4 apiece. Satisfaction guaranteed. Mrs. Gus Brune, Lawrence, Kan.

**BARRED ROCK EGGS, RINGLET ARISTO-** crat strains, Pens, 15, \$3 and \$5. Range, 15, \$2; 100, \$8. Sylvan Miller, Humboldt, Kan.

**200 EGG LAYING STRAIN, BARRED** Rocks. Ancestors trapped for generations. Winners in government contests. Mating list free. Farnsworth, 224 Tyler St., Topeka.

**RINGLET BARRED ROCKS, DEEP EVEN** barring, yellow legs, heavy laying strain. Cockerels, \$3. Eggs, \$1.25 per 15; \$6 100. C. E. Romary, Olivet, Kan.

**TWO PURE THOMPSON EXHIBITION** mated yards. Cockerel mating, \$5 13; show cockerels, \$9. Range flock, \$1.50 15; \$7 100. Mrs. Robt. Simmons, Severy, Kan.

**BARRED ROCK COCKERELS, PURE** Ringlets 30 years experience. Cockerels, \$3 to \$5. They all say finest ever saw. Satisfaction or money back. Paul Olivier, Danville, Kan.

## Plymouth Rocks—Eggs

**PURE BUFF ROCK EGGS, \$1.50-15, \$7-105.** Della Wood, Milan, Kan.

**BUFF ROCK EGGS, \$6.50 PER HUNDRED.** Fred Johnson, Walton, Kan.

**WHITE ROCKS EGGS, FISHEL STRAIN.** H. C. Hays, Manhattan, Kan.

**WHITE ROCK EGGS, \$6 PER HUNDRED.** Nora Lancaster, Hallowell, Kan.

**PARKS BARRED ROCK EGGS, 100 \$6.** Rena DeBusk, Macksville, Kan.

**WHITE ROCK EGGS, 10c EACH. FISHEL** strain. Mrs. Lake, Parker, Kan.

**QUALITY WHITE ROCKS, EGGS, \$5 SET-** ting. L. H. Wible, Chanute, Kan.

**100 BUFF ROCK EGGS, \$7; 50, \$4. MRS.** Maggie E. Stevens, Humboldt, Kan.

**WHITE ROCK EGGS, \$8 HUNDRED POST-** paid. H. L. Johnson, Oskaloosa, Kan.

**BUFF ROCK EGGS, \$3.50 PER 50; \$6 PER** 100. Nettie Holmes, R. 2, Prescott, Kan.

**BARRED ROCK EGGS, 100, \$6; 15, \$1.** Mearl Wolfkill, Garden City, Kan., R. 1.

**PURE BRED WHITE ROCK EGGS, \$8 100** prepaid. Mrs. Walter Bond, Greenleaf, Kan.

**BARRED ROCK EGGS, \$1.50 PER 15, \$6** per 100, prepaid. Lan Harter, Centralia, Kan.

**WHITE ROCK EGGS, \$1.25 PER 15; \$7** per hundred. Glen Young, McPherson, Kan.

**BARRED ROCK EGGS, \$2 PER SETTING;** \$6 per hundred. Edith Courter, Wetmore, Kan.

**BUFF ROCKS, PRIZE STRAIN. EGGS, 15,** \$1; 100, \$8. Mrs. Robert Hall, Neodesha, Kan.

**FINE WHITE ROCKS—EGGS, 100, \$6.00;** chicks, 20c. Mrs. John Hognbeck, Winfield, Kan.

**PURE WHITE ROCK EGGS, \$1.25 PER 15,** \$7.00 per hundred. H. L. Walno, Concordia, Kan.

**BARRED ROCKS, LARGE BONE, YELLOW** legs, 100 eggs, \$8; 15, \$2. Mrs. Ira Emlg, Abilene, Kan.

**RINGLET BARRED ROCK EGGS, 15, \$1.50;** 50, \$4.00; 100, \$7.00. Mrs. C. N. Bailey, Lyndon, Kan.

**PURE BARRED ROCK EGGS, \$2.25 FOR** 15, \$4 for 30. Mrs. Chas. Root, Route 2, Longton, Kan.

**PURE BRED WHITE ROCK EGGS, FISHEL** strain, \$1.50 per setting. P. L. Thielen, Dorrance, Kan.

**LARGE WHITE ROCK COCKERELS, \$2-\$3.** Eggs, 75c setting, 100 \$5.00. Lorin Whitney, Fairview, Kan.

**BUFF ROCKS—NINETEENTH YEAR.** Eggs, 50, \$3.50; 100, \$6.50. Mrs. Homer Davis, Walton, Kan.

**SELECT WHITE ROCK EGGS, WHITE** Ivory strain, \$1.75 15; \$8 100. Mrs. F. E. Mosher, Ottawa, Kan.

**BARRED ROCK EGGS, UTILITY, \$7 PER** 100; \$4 per 50; \$1.50 per 15. C. C. Lindamood, Walton, Kansas.

**PRIZE WINNING BARRED ROCKS, EGGS,** \$2.50 and \$3.00 per setting. Mrs. John Yowell, McPherson, Kan.

**BARRED ROCKS, 118 PREMIUMS, 30** years experience. Eggs, \$5 15; \$8 30. Mrs. Chris Bearman, Ottawa, Kan.

**BARRED ROCK EGGS, BRADLEY** weigher layer strain, 6 years' experience breeding Rocks, \$1-15, \$5-100. Mrs. O. R. Shields, Clifton, Kan.

## Plymouth Rocks—Eggs

**ARISTOCRAT BARRED ROCK FEMALES,** Pure Parks males, 50 eggs \$4. Mrs. Lester, Benbow, La Crosse, Kan.

**PARTRIDGE ROCK EGGS, RANGE FLOCK** \$5 per 60. Catalogue on special matings. J. B. Ratzlaff, Burdett, Kan.

**GOOD LAYING STRAIN BARRED ROCKS,** Selected eggs 15, \$1.20; 100, \$6.00. H. C. Hartke, Lost Springs, Kansas.

**PURE BRED PLYMOUTH ROCK EGGS,** \$2, 15; \$5, 45. Cockerels \$5. Postpaid. Cleveland Gress, Bethel, Kan.

**PURE BRED BARRED ROCK EGGS, \$1.50** per 15, \$7.00, 100. Baby chicks, 20 cents each. Lizzie Pierson, Plainville, Kan.

**RINGLET BARRED PLYMOUTH ROCK** eggs, \$1.50 15; \$4 50; \$7 100. Pen, \$2 15. Mrs. A. M. Markley, Mound City, Kan.

**FISHEL STRAIN WHITE ROCK EGGS,** 100, \$8. Chick orders for March and April, 100, \$20. Vera Basye, Coats, Kan.

**BUFF ROCK COCKERELS, \$2.50. EGGS,** heavy layers, 100, \$7; 50, \$4; 15, \$1.50. Pens, \$4, \$5. A. R. Quinnette, Ames, Kan.

**BARRED ROCKS, RINGLETS, 80 PRE-** miums. 7 dark cockerels. Eggs, 15, \$3; 30, \$9. Mattie A. Gillespie, Clay Center, Kan.

**RINGLET BARRED ROCKS, STOCK FROM** Thompson's best eggs. Eggs, \$2 and \$5 15; \$8 100. A. G. Hammond, Vinland, Kan.

**BARRED ROCK EGGS FROM SILVER** cup winners. Fancy pens, \$5 per 15. Utility, \$10 per 100. Exhibition stock. John Sloan, Peck, Kansas.

**PLYMOUTH ROCK EGGS, HANDSOME** narrow barred, yellow legged, show winning strain, \$2-15; \$8-100. Mrs. M. M. Shearer, Frankfort, Kan.

**BARRED ROCKS—EGGS, FANCY MAT-** ings, 15, \$10. Flock matings, identically same blood as fancy matings, 15, \$1.50; 100, \$7. George Sims, LeRoy, Kan.

**RINGLET BARRED ROCKS, THOMPSON** strain, even barred, yellow legs, good layers. Eggs \$1.25 setting, \$6.00 hundred. Mrs. F. R. Wyckoff, Wiley, Kan.

**COOK'S BARRED ROCKS—EGGS FROM** the greatest layers and winners in the west, \$1.50 15; \$4 50; \$7 100. Selected pen eggs \$5 per 15. Chas. J. Cook, Marysville, Kan.

**WHITE ROCKS, SELECTED HIGH QUAL-** ity flock mated to 200-egg and over cockerels. Eggs \$8-100 \$5-50; \$2-15. Also baby chicks. H. C. Loewen, Peabody, Kansas.

**PARKS 31 YEARS BRED-TO-LAY** Barred Rocks; 100 eggs, \$8.50, and \$10.00 one set, \$2.25 and \$2.75. Pen 3 direct from Parks, \$5.00 per set. R. B. Snell, Colby, Kan.

**IMPERIAL RINGLET BARRED ROCKS,** trapped, bred to lay. Dark mating. Special matings, in free mating list. Range, 15-\$2.00, 40-\$5.00, 100-\$8.00. Prepaid. E. B. Dorman, Paola, Kan.

**WHITE ROCK EGGS FROM EXTRA PRO-** ducive laying strain, \$2.00, \$3.00 and \$5.00 per 15, \$1.00 discount on three settings. Transportation prepaid. Bred them 27 years. Thomas Owen, Route 7, Topeka.

**THOMPSON'S RINGLET BARRED ROCKS** and Golden Buff Rocks. Pen quality, heavy layers. Eggs, \$2, and \$3 setting; \$5, \$5.50. Safe arrival guaranteed. Jno. T. Johnson, Lock Box 77, Mound City, Kan.

**PURE BUFF ROCK EGGS, WINNERS** twelve seasons. Three cockerels with the flock this season are sired by the cock that won first at Chicago National Show 1920, 15, \$2.00; 50, \$4.50; 100, \$8.00. Mrs. C. N. Mason, Uniontown, Kan.

**RHODE ISLANDS**

**RED GLAND STRAIN, ROSE COMB** Reds, Paul Fulcomer, Belleville, Kan.

**EGGS, SINGLE COMB R. I. REDS, PRIZE** winners. C. H. Saunders, Winfield, Kan.

**SINGLE COMB RED COCKERELS, FARM** raised. Size, quality, color and price right. J. J. Smith, Burlingame, Kan.

**15 SINGLE COMB R. I. RED COCKERELS,** \$3 to \$5 each. Eggs, \$2 per 15. H. B. Swerdfege, 1144 Forest Ave., Wichita, Kan.

**SINGLE COMB RED COCKERELS FROM** Chicago and Kansas City winners, good quality, \$5 each; 6 for \$25. C. R. Baker, Abilene, Kan.

**JOHNSON'S SINGLE COMB REDS, STATE** Show winners. Eggs for hatching reasonable. Write for mating list. J. C. Johnson, Mt. Hope, Kan.

**ROSE COMB RED COCKERELS FROM** show winners. Sixteen of my reds won at the Kansas State Show, January, 1921. \$5 and up. Satisfaction guaranteed. Eggs, \$3 and \$5 per 15. Mrs. E. C. Grizzell, Clafin, Kan.

**Rhode Islands—Eggs**

**S. C. RED EGGS, SUPER QUALITY LINE** bred. L. F. Cyr, Clyde, Kan.

**SINGLE COMB RED EGGS, \$6.00 HUN-** dred. Fred Clark, Moline, Kan.

**BARRED ROCK EGGS, 100 FOR \$5.50, \$9** for \$3. Lilly Daniels, Logan, Kan.

**FANCY BUFF ROCK EGGS, ALSO WHITE** Wyandottes, \$2. R. D. Lake, Burden, Kan.

**ROSE COMB RHODE ISLAND RED EGGS** \$6 per 100. W. S. Reece, Hazelton, Kan.

**EGGS, CHOICE PURE BRED SINGLE** comb Reds, \$2.00 per 15 prepaid. B. J. Herd, Wilmore, Kan.

**SINGLE COMB REDS, FARM, \$7 100; \$1.75** 15. Pen, \$12 100; \$3 15. Orpha Bowers, Bonner Springs, Kan.

**S. C. REDS, THIRD COCK STATE FAIR,** first cock Olathe, \$1.75 setting. Ray Goodloe, Olathe, Kan.

**PURE BRED ROSE COMB RED EGGS,** \$2.00 for 15; \$10.00 per 100. From prize winning stock. C. S. Holtzinger, Ellis, Kan.

**ROSE COMB R. I. WHITE EGGS, \$7.00 100** \$1.50 setting. Mrs. P. A. Johnson, Halstead, Kan.

**DARK SINGLE COMB REDS, EGGS, 15,** \$6; setting, \$1. Catherine Meyer, Garnett, Kan.

**SINGLE COMB GOOD LAYING REDS** Eggs, \$1.50 and \$2 setting. Hulda Clark, Girard, Kan.

**R. I. RED EGGS FOR HATCHING, SINGLE** combs, laying strain. H. H. Nislinger, McPherson, Kan.

**THOMPSON'S RINGLET BARRED ROCK** eggs. Good ones. Dark mating. Mrs. A. Anderson, Greenleaf, Kan.

**PURE BRED ROSE COMB RED EGGS** from good laying strain, 100, \$7; 30, \$3. Earle Bryan, Emporia, Kan.

**SINGLE COMB REDS PRIZE WINNING** line bred. Eggs \$5.00 and \$8.00, 15 Range \$7.00, 100. Satisfaction guaranteed. Mrs. A. E. Trapp, Wetmore, Kan.



## Rhode Islands—Eggs

PURE BRED ROSE COMB RED EGGS, 100, \$8. Postpaid, \$6.50. Free range. Mrs. Chas. Lewis, Wakefield, Kan.

SINGLE COMB RED EGGS. HEAVY LAYING strain. \$1.25, 15; \$7.00, 100. Prepaid. H. P. Enz, Fredonia, Kansas.

RED EGGS FROM EVEN RED HENS, Carver & Longfield strain, \$2.00, 15; \$10, 100. Hazel DeGeer, Deerhead, Kan.

EGGS FROM PURE BRED ROSE COMB Rhode Island Reds: \$2.00 and \$3.00 for 15, Frances Reynerson, Osawatomie, Kan.

HEAVY LAYERS. ROSE COMB RED EGGS, \$7.50, 100; \$2.50, 15; parcel post prepaid. Baby chicks, 17c. Charles Sigle, Lucas, 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. \$5.50 hundred delivered. Mary Shields, Barnes, Kan.

RICH, DARK, ROSE COMB REDS. PEN EGGS, 15, \$3; \$5, 50; \$10, 100. Range, 100, \$7. Cockerels, \$3, \$5. Alice Chmkenbeard, Wetmore, Kan.

RED EGGS FROM PRIZE WINNERS. Pen, five dollars fifteen. Range, two-fifty; one dollar hundred. Mrs. Geo. Long, St. John, Kan.

LONG BROAD BACK, DARK EVEN RED to skin, Rose Comb Rhode Islands. Eggs, \$5-\$1.25, 100-\$7.50. Walter Baird, Deerhead, Kan.

DARK RED SINGLE COMB EGGS, 15, \$2; \$3, 50; \$5, 100. Hogan tested. Sired by winners from non-sitters. Mrs. Frank Smith, Lawrence, Kan.

SINGLE COMB RED EGGS. STOCK RAISED from best prize winning flocks in United States. Seven dollars hundred. Jeff Smith, Burlington, Kan.

LARGE BONE, DEEP RED, HEAVY Laying, pure bred, Rose Comb Reds, eggs \$6 per 100 prepaid. Mrs. Arthur Woodruff, Miltonvale, Kan.

RED STRAIN PURE DARK-R. C. R. I. Red eggs, \$3.50, 50; \$6.50, 100. Also vigorous cockerels, \$2 to \$4 each. Mrs. Lillie Wayde, Burlington, Kan.

ROSE COMB RED EGGS FROM PRODUCEING hens mated to prize winning cockerels, \$2, 15; \$9, 100, prepaid. Easterly & Kosterly, Winfield, Kan.

RICKSECKER-POORMAN REDS, SINGLE Rose Comb eggs. Pen, 15, \$1.50; range, \$5. Hen hatched chicks, 25c. Mrs. Nell Kemble, Carbondale, Kan.

HARRISON'S EXHIBITION EGG STRAINS, Single and Rose Comb Reds. Eggs and chicks. Get breeding bulletin and mating list. Robert A. Harrison, College View, Neb.

RED EGGS FROM HENS ALL standard weight tested for layers, sired by \$50 and \$75 males. Fertility guaranteed. \$6, \$7, 50; \$4, 15; \$1.50. Mrs. E. F. Lant, Dennis, Kan.

DARK ROSE COMB REDS, GOOD MARK-EGGS, good under color eggs, \$1.50, 15; \$3.00, 50; \$5.00, 100. Baby chicks, 15c. Dark Ancon chicks, 19c each prepaid. Mrs. Jack Smith, Westmoreland, Kan.

ROSE COMB RHODE ISLAND RED EGGS from high class, bred-to-lay, farm range, setting, \$2, 15; \$4.50, 50; \$7.50, 100. Eggs replaced; safe arrival guaranteed. A. J. Turinsky, Barnes, Kan.

SINGLE COMB RHODE ISLAND REDS that are red, Wm. Scott stock direct. Tested for egg laying qualities ten years. Range eggs \$2.00, 15; \$3.50, 50; \$10.00, 100. Pen eggs \$4.00, 15. Few cockerels left. 10 miles west of Navarre. Henry Lenhart, Hope, Kan.

## SEVERAL VARIETIES.

1949 COCKERELS, 49 VARIETIES, FREE book. Aye Bros., Box 5, Blair, Neb.

PURE BRED BUFF ORPINGTONS. DUCK eggs, \$2 dozen. Harry Winters, Independence, Kan.

RED WHITE LEGHORN COCKERELS, 1 Bourbon Red turkey hen, reasonable. Pater-Dale Farms, Wilson, Kan.

49 VARIETIES, FINE PURE BRED POULTRY, Stock, Eggs, Baby Chicks, Large Catalog, 4c. A. Ziemer, Austin, Minn.

BLACK LANGSHANS, LIGHT BRAHMAS and Brown Leghorns for sale. Hatching eggs, 20 best varieties. Free circular. Modine Poultry Farm, Rt. 28, Topeka, Kan.

BABY CHICKS, EGGS—SUPERIOR Laying Leghorns, Rocks, Reds, Orpingtons, Wyandottes, prices moderate, catalog. Standard Egg Farms, Cape Girardeau, Mo.

BONZE TURKEYS (MADISON SQUARE Winners). Eggs \$1 each. White Pekin ducks \$7.50-50. Beautiful dark "Ringlet" Banded Rocks \$7-100. Several 33-lb. toms. Ed Lockwood, Kinsley, Kan.

PURE BRED WHITE AND BROWN LEG- horns, \$5.50 hundred; pure English White Leghorns, \$7; Banded and White Rocks, \$6; Buff Orpingtons, \$7; Rose Comb Reds, \$5.50. Baby chicks, Floda Jenkins, Jewell, Kan.

ROSE COMB WHITE LEGHORNS, Large Carnation Young Strain. Thompson Banded Rocks, separate farms. Eggs \$7, 100 prepaid. Reduction at the farm. Heavy setter layers. Jane Beyer, Arrington, Kan.

EGGS AND DAY OLD CHICKS FROM "Royal Blue" and "Imperial" Banded Plymouth Rocks and White Wyandottes. Excellent quality 208 to 268 record. Eggs \$3 per 15, \$15 per 100. A. L. Hook, North-Plow Poultry, Ranch, Coffeyville, Kan.

## Several Varieties—Eggs

WANT TO LAY BLACK LANGSHAN AND RED C. White Leghorn eggs and chicks for sale. No order too large nor too small. Poultry Farm, Junction City, Kan.

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PURE BRED BOURBON RED TOMS, PRICE \$2 to \$15 each. L. E. Thompson, Weiling, Kan.

EGGS FROM BIG, VIGOROUS, STANDARD Bred Bourbon Red turkeys, \$5 for 12. Stielow, Russell, Kan.

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BONZE TURKEY EGGS FOR SALE, RED Wing Poultry Farm, Miltonvale, Kan.

## WYANDOTTES.

PURE WHITE WYANDOTTE COCKERELS, \$1. Vernie Smith, Studley, Kan.

WHITE WYANDOTTES, PEN, \$2 PER 15; range, \$1. Mrs. Henry Lumb, Wakefield, Kan.

## WYANDOTTES

ROSE COMB SILVER LACED WYANDOTTES, \$2.50. Henry Blasing, Zeandale, Kan.

"BEAUTIFUL" SILVER WYANDOTTES, Males, Females, Eggs. Mrs. Edwin Shuff, Plevna, Kan.

FINE WHITE WYANDOTTE COCKERELS and pullets. Eggs from high producing hens mated to cockerels bred from trapped hens. Satisfaction guaranteed. Mrs. Retta Lee, Route 1, Bonner Springs, Kan.

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WHITE WYANDOTTE EGGS, \$5.50 PER 100. M. M. Hayes, Fowler, Kan.

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COLUMBIAN WYANDOTTE EGGS, \$2 PER 15. Postpaid. Orvel Sharits, Newton, Kan.

PREMIER PARTRIDGE WYANDOTTES, eggs, 15 \$3. Rena DeBusk, Macksville, Kan.

PURE BRED WHITE WYANDOTTE EGGS, 100, \$7. M. A. Smith, R. D. 6, Smith Center, Kan.

CHOICE WHITE WYANDOTTES, MARTIN stock, 15 eggs, \$2.00. W. G. Young, Liberal, Kan.

WHITE WYANDOTTE EGGS, \$1.50 FOR 15; \$7 for 100. Mrs. Floyd Young, R. 6, Wichita, Kan.

PURE SILVER WYANDOTTE EGGS, Laying strain, \$2.50, 15; \$10, 100. Henry Olivier, Danville, Kan.

WHITE WYANDOTTE EGGS, \$6, 100; \$3.50, 50; \$1.50, 15. Extra layers. Lillie Miller, Osawatomie, Kan.

WHITE WYANDOTTE EGGS, KEELER and Martin strains direct, 100-\$8.00. H. O. Collins, Fontana, Kan.

EGGS FROM MANHATTAN PRIZE WINNING White Wyandottes, \$1-15, \$5-100. B. L. Carney, Marlon, Kan.

WHITE WYANDOTTE EGGS, REGAL Dorcas strain, Hogan tested, \$8, 100; \$2, 15. Albert Glass, Fairfield, Neb.

WHITE WYANDOTTE EGGS, PURE BRED Rose Comb Fishel strain, \$2.25 per 15. George Dame, Longton, Kan.

SILVER LACED WYANDOTTE EGGS, large bone, 15-\$1.50, 100-\$3.00. Mrs. W. S. Heffelfinger, Effingham, Kan.

ROSE COMB WHITE WYANDOTTE EGGS, \$5.00 per hundred, \$1.50 per setting. Mrs. Otto Strahl, White City, Kan.

WHITE WYANDOTTES, EGGS FOR hatching, record layers, catalog free. Mrs. A. J. Higgins, Effingham, Kan.

WHITE WYANDOTTES, CAREFULLY SE- lected winter layers, eggs \$3.75, 50, \$7, 100. Emma Savage, Miltonvale, Kan.

PURE BRED WHITE WYANDOTTE EGGS, \$1.50, 15; \$4.00, 50; \$7.00, 100. J. K. Walker, Lincoln, Kan., Route 2.

SILVER WYANDOTTE EGGS FROM LAY- ing strain \$1.50 setting, \$7.50 hundred. Henry L. Brunner, Newton, Kansas.

PURE BRED WHITE WYANDOTTE EGGS, bred for laying, \$1.25, 15; \$4, 50; \$7, 100. Mrs. Taylor Anthony, Langdon, Kan.

EGG STRAIN SINGLE COMB BROWN Leghorn eggs, 15, \$1.25; 100, \$6.50. Prepaid. Clarence Moore, Scott City, Kan.

BARRON'S ENGLISH WHITE WYAN- dottes, Eggs, 100 \$6.50. Chicks, 15 cents each. James Christiansen, Canton, Kan.

WHITE WYANDOTTES, FISHEL-MARTIN laying strain. Eggs, 15, \$1.50; 100, \$7; postpaid. Mrs. Ray Griffiths, Baneroff, Kan.

WHITE WYANDOTTE HATCHING EGGS from extra good stock, 15, \$1.25 parcel post, 100, \$6.00. R. M. Weaver, Harper, Kansas.

CHOICE WHITE WYANDOTTE EGGS FROM heavy winter layers, 15, \$1.50; 100, \$7.50. Fertility guaranteed. Glenn E. Murfin, Queen City, Mo.

WHITE WYANDOTTES, \$7 HUNDRED; S. C. R. I. dark red, \$7 hundred; Rose Comb White Leghorn, \$6 hundred. H. R. Knoll, Portis, Kan.

WHITE WYANDOTTE EGGS, 15, \$2; 100, \$10 prepaid; Barrons and Stephens strains. World's greatest layers. Guarantee 60 per cent hatch. H. A. Dressler, Lebo, Kansas.

PURE WHITE WYANDOTTE EGGS, BAR- ron's English, Stevens American strain, 100 \$7.00, 50 \$3.75. Fertility and delivery guaranteed. Mrs. Ora Davis, Norwich, Kan.

"QUALITY" WHITE WYANDOTTES, MAR- tin-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 WANTED

HENS, STAGS, CAPONS WANTED. SHIP your nonproducers now. Coops loaned free. The Copes, Topeka.

PREMIUM POULTRY PRODUCTS COM- pany, 210 North Kansas Ave., Topeka, buys poultry and eggs on a graded basis. Capons wanted. Prices good. Premium prices paid for select eggs and poultry.

A farmer who lives a long way from town, or in some undesirable neighbor- hood, or has a poor farm with a poor home and poor equipment, often has difficulty in finding men and getting them to hire out to him. Other farm- ers always have trouble with their hired men and lose them before the season is over. Such farmers ought to hire less help instead of more. On the other hand, the farmers who man- age well, and keep their hired men in- terested and friendly, ought to be on larger farms.

Married laborers usually are more dependable than single men. War prices in cities drove many one-time hired men, now married, back to the farms. Events in the near future may do the same. Wherever farmers find the supply of married laborers increas- ing in their localities, they should con- sider seriously the building of a suit- able cottage for farm laborers with a family. The old tenant house prob- ably is in bad condition.

## The Grain Market Report

BY JOHN W. SAMUELS

MILLERS, jobbers and brokers during the past week report an improvement in the flour situa- tion that is encouraging to grain men. Altho no large bookings have been re- ported by local mills the flour business is showing signs of a healthy and permanent improvement in the South- west. Threatened damage from green- bugs is reported again from Texas and many fear that a little later serious trouble may be expected to wheat from chinch bugs and the Hessian fly pest.

Kansas farmers are still holding much of their wheat hoping that they may get the benefit of any advance of prices that may come later. Various estimates by various authorities have been made as to the amount of wheat still held on the farms. The latest estimate on this subject has just been made by Edward C. Paxton of the United States Bureau of Crop Esti- mates who says that on March 1 Kan- sas farmers still had on hand 41,117,000 bushels of wheat. He attributes this heavy carry-over very largely to a deliberate intention on the part of farmers to so distribute their market- ings as to maintain as high a level of prices as possible on a market that showed tendencies to demoralization at all times as well as one that has gen- erally been regarded as decidedly un- profitable. The situation a year ago when grain sought immediate market with no freight cars to move it has been reversed and cars are now plenti- ful, but offerings comparatively light, considering the stocks on hand.

## Visible Supply of Wheat

The visible supply of wheat in the United States on March 5 according to reports from the United States De- partment of Agriculture was 27,822,000 bushels as compared with a visible sup- ply of 50,168,000 bushels for last year. The visible supply of corn is 23,741,000 bushels as compared with 5,143,000 in 1920. The visible supply of oats now is 34,210,000 bushels as against 10,436,000 bushels for last year on same date. The visible supply of wheat at Kansas City for March 5, 1921, was 2,376,000 bushels.

Farmers are much interested in the plans for grain marketing being formu- lated by the Committee of Seventeen of the American Farm Bureau Federa- tion which has been giving this matter serious attention. However, it is scarcely possible that anything can be done now that will be of any great benefit in marketing what remains of the old crop of wheat now in the hands of the growers. Possibly, things will be well organized by the time the new grain crops are harvested so that more profitable prices will be received next fall.

## Farmers Get Poor Returns

Under the old system of marketing and the way the business of farming was conducted farmers never got ade- quate returns for their labor and in- vestment. It neither yielded sufficient returns to restore and maintain soil fertility nor to buy the machinery and equipment necessary to the most economical production. It also failed to offer sufficient financial induc- ements to keep the most ambitious boys and girls on the farm. Grain prices in the United States are determined in a few large centers of distribution known as terminal markets. These are owned, operated and maintained by private closed corporations or associa- tions known as grain exchanges from which farmer co-operative grain deal- ers are virtually excluded. These grain exchanges provide the facilities by which speculation in grain and its products is carried on to an extent that almost staggers all human com- prehension. It is said that the total grain sold on the Chicago Board of Trade is three times the entire pro- duction of the world. The total grain sold there annually is 51 times the amount of grain actually shipped to the Chicago market, and this market dominates all the markets of the coun- try.

The inevitable results of this un- limited speculation are: First, constant manipulation of prices; second, great losses to producers and the public gen- erally. The marketing plans proposed by the Committee of Seventeen will be

acted upon by a general convention of delegates from the various states that will be held in Chicago, April 6. To every state participating in the con- vention will be allotted one delegate at large and one additional delegate for every 15 million dollars' worth of grain marketed or major portion thereof. Under this arrangement Kansas will have seven delegates, Nebraska six, Missouri three and Oklahoma three. The action of this convention will be watched with interest by every farmer in Kansas.

The market situation for wheat at Kansas City during the past week showed no improvement. In fact a noticeable weakness developed in wheat futures at the close of the week. Most of the deliveries were down from 3 to 4 cents. Corn futures showed net losses of 1/8 to 1/4 cent. Oats futures showed losses of 3/8 to 1 1/4 cents, while July rye showed a decline of 3 1/2 cents.

Cash sales of hard wheat at Kansas City declined from 1 cent to 3 cents, Red wheat remained unchanged, while dark hard wheat was in limited de- mand and at barely steady prices. The following quotations were reported: No. 1 dark hard, \$1.02 to \$1.06 a bushel; No. 2 dark hard, \$1.02 to \$1.05; No. 3 dark hard, \$1.61 to \$1.65; No. 1 hard, \$1.57 to \$1.58; No. 2 hard, \$1.54 to \$1.57; No. 3 hard, \$1.52 to \$1.54; No. 1 Red, \$1.70 to \$1.71; No. 2 Red, \$1.70; No. 3 Red, \$1.65 to \$1.66.

Demand for corn was fair, and it was quoted unchanged to 1/2 cent higher. The following quotations were given: No. 2 White, 60 1/2 to 61 1/4 cents; No. 3 White, 58 1/2 to 59 cents; No. 2 Yellow, 60 to 61 cents; No. 3 Yellow, 57 1/2 to 58 1/2 cents.

Oats were in only fair demand at declines of 1/2 to 1 cent. The following sales were reported: No. 2 White, 43 cents; No. 3 White, 42 1/2 to 43 cents; No. 2 mixed, 41 cents; No. 3 mixed, 40 cents; No. 2 Red, 42 cents; No. 3 Red, 40 cents.

The following quotations were given on other grains: Kafir—No. 2 White, 91 to 93 cents; No. 3 White, 84 to 85 cents; No. 2 milo, \$1.02; No. 3, 87 cents; No. 2 rye, \$1.38 to \$1.40; No. 2 barley, 63 cents; No. 3 barley, 57 cents.

## Slow Trade in Millfeeds

Trade in millfeeds was slow and demand was poor. Bran is quoted \$20.40 to \$21 a ton; brown shorts, \$22 to \$23; gray shorts, \$23 to \$24; oil meal, \$41.50 on Milwaukee basis; cot- tonseed meal, \$37 to \$39 on Milwaukee basis.

Hay receipts were small and the market was firm for the upper grades of alfalfa and prairie hay, and steady for all other grades. The following sales were reported: Alfalfa, choice, \$22.50 to \$23 a ton; No. 1, \$20.50 to \$22; standard, \$17.50 to \$20; No. 2, \$14 to \$16; No. 3, \$8.50 to \$10.50; No. 1 prairie, \$14 to \$15; No. 2 prairie, \$11 to \$13.50; No. 3 prairie, \$7 to \$10.50; No. 1 timothy, \$19 to \$21; standard, \$17.50 to \$18.50; No. 2 timothy, \$14.50 to \$17; No. 1 clover, \$16 to \$17; No. 2 clover, \$10 to \$15; packing hay, \$5 to \$5.50; straw, \$6 to \$6.50.

## Towers of Normandy

Like towers of Normandy they stand,  
Along the rolling hills.  
A strength and power in the land  
Of men, and marts, and mills.  
The ivy clings with tend'rest touch,  
The sun lights up the stone,  
The towers stand against the sky,  
Like men who stand alone.

Around them grow majestic trees,  
Of walnut, and of oak,  
With branches trembling in the breeze,  
The symbol of the folk  
Who honestly, by honest work,  
Have wrought thruout long years,  
Where never tyrant's eyes may lurk,  
Nor henchman fill with fears.

But towers of Normandy are strong  
In naught except vast walls,  
Their strength has lain in stone and throng,  
And nightly sentry calls.  
But these vast towers that stand today  
Along the rolling hills  
Are strong because of wealth contained  
In mighty conquering will!

For in these towers is stored the food  
That saves a hungry world,  
And makes our nation known and loved,  
Where tyrant's flags are furled!  
The towers of Normandy are grand,  
Our silos filled with grain—  
Stand like a wall against the foe,  
Where other towers were vain!

—Marshall Louis Mertins.

There should be a huge increase in the number of silos in Kansas.



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**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.

**FOR SALE**—400 acres, 240 in cult., 160 pasture; fine bottom land; well improved. Write owner. M. A. Bonham, Protection, Kansas.

**590 ACRES**, improved, eastern Kansas, 390 bottom, bal. pasture. Price \$110, part trade. Clark Realty Co., Garnett, Kan.

**EASTERN KANSAS FARMS** Large list Lyon and Coffey Co., for sale by Ed. F. Milner, Hartford, Kansas.

**FINE CREEK BOTTOM FARM** 160 plowed, 150 pasture, 40 in alfalfa, highly improved, 2 miles town, \$35 per acre, terms. T. B. Godsey, Emporia, Kansas.

**TWO 80's 120, 160**; well improved; choice locations. Priced right for quick sale. Immediate possession. Come at once. Mansfield Land & Loan Co., Ottawa, Kan.

**BUY IN NORTHEASTERN KANSAS** where corn, wheat, and all tame grasses are sure. Send for farm list. Silas D. Warner & Co., 727 1/2 Commercial St., Atchison, Kan.

**IMP. 80**, Osborne Co., 5 miles Alton. 5-room house, barn, silo, hen house, granary, good water, windmill, 15 acres alfalfa; \$5,000. J. R. Howell, Owner, Alton, Kansas.

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

**800-ACRE FARM, \$22.50 PER ACRE** All level tractor land. 5 miles to station. Well house, stable, etc. 640 acres 2 and 3 well fence. Terms. D. F. Carter, Leoti, Kan.

**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.

**TWO LANE COUNTY BARGAINS** 160 acres, unimproved, \$3,200. 640 acres with 160 acres wheat, all level, \$25 an acre. Terms. Jas. H. Little, La Crosse, 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.

**IMPROVED QUARTER, \$2,500**. 7 miles east of Liberal. \$1,200 cash, bal. yearly payments. Small improvements. 100 acres cultivation. Good sandy soil. Write owners. Griffith & Baughman, Liberal, 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.

**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.

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

**MUST SELL** this fine farm home, 341 acres adjoining good town, Lane county, Kan. 2 blocks from high school. Improvements extra good. 120 acres fine wheat, smooth as a floor. Price \$35.00 per acre for quick sale. Mansfield Investment and Realty Co., Healy, Lane County, 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.

#### SALE OR EXCHANGE

A square section of wheat land, 11 miles east of Garden City. Unimproved, black loam, all can be cultivated. Wheat made in this neighborhood last year from 20 to 40 bu per acre. Price \$30 per acre. Exchange up to \$10,000. Write F. M. Wallace, or Pierceville State Bank, Pierceville, Kansas.

#### 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 Bortels Bldg., 10th & Walnut, Kansas City, Mo.

#### FRANKLIN COUNTY, KANSAS

80 acres, 2 miles Ottawa, well improved; plenty water; shade, natural gas. Will sacrifice, extra good terms. 134 acres, 5 miles Ottawa, good improvements; 100 acres wheat; 20 alfalfa; all good rich land; \$125 per acre. Extra good terms. Possession. Spangler Land Company, Ottawa, Kansas.

#### CALIFORNIA

**CALIFORNIA LAND AND CLIMATE** are worth knowing about. 500 acres of river bottom soil. Alfalfa, grain, corn, fruit and stock. \$60,000. Easy terms. Write L. M. Culver Real Estate Co., Chico, Butte Co., Calif.

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**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.

**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.

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**115 ACRES**, 12 miles from Strasburg. Well improved. Only \$32 per acre. Address Box 183, Strasburg, Colorado.

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**320 ACRES** of good farm land. 4 miles east and 12 miles north of Ft. Morgan, Colo. Good 10x20 frame house. 80 acres under cultivation and fenced. Price \$5,500. Terms, 1/4 down, balance in 3, 4 and 5 year payments. Mrs. Rebecca Weekly, Terra Bella, Calif.

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**FOR SALE:** 320 acres San Luis Valley, Colorado farm, 2 1/2 miles of town, fair improvements, all under irrigation, on best ditch in state. In consolidated school district. 240 acres of this farm is a fine stand of alfalfa and cut 800 tons hay last season at two cuttings; the other 80 is ready for spring crops. This is one of the finest farms on the market today, and at the price will pay 10% on purchase price as a rental proposition. Price \$150 per acre. \$30,000 cash, balance 6%. ELMER E. FOLEY, Wichita, Kansas.

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**FREE LIST** describing Ozarks. 75 farms, dairy, orchard, timber, cut over and tobacco land. Simmons & Newby, Cabool, Mo.

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**18 COWS, POULTRY, MACHINERY, CROPS,** fruit, 173 acres, near town. \$8,000. Request catalog. Coughlin's Farm Clearing House, 121 S. Warren St., Syracuse, N. Y.

#### NEBRASKA

**FOR SALE OR LEASE:** 7040-acre ranch, Lincoln Co., Nebraska. Good grass, rolling, watered and fenced. Write owner JOHN W. BAUGHMAN, Liberal, Kansas.

**PIERCE CO. FARMS** for sale. 80 and 160 acre tracts, extra well improved. Good soil, roads, school, water, bldgs., etc. \$90 to \$150 per a. Terms. Will consider trades if close. D. C. Deibler, Pierce, Neb., Owner.

#### NORTH DAKOTA

**WANT** to correspond with parties who want to buy a good 600-acre sure crop farm. 2 mi. to market. A. C. Nedrud, Logan, N. D.

#### 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.

**100 ACRES** dry black bottom land. Practically all in cultivation. Fair improvements. 4 1/2 mi. good R. R. town in this county. Good neighborhood. \$45 per acre. Terms. Southern Realty Co., McAlester, Okla.

#### SOUTH DAKOTA

**SOUTH DAKOTA**—Never again will there be such opportunities for purchasing cheap lands as are now offered in South Dakota. Every acre that is now selling for \$25 to \$50 per acre will soon sell for \$100 to \$200. Write for free bulletins. Immigration Department, Irwin D. Aldrich, Commissioner, Capitol F-86, Pierre, South Dakota.

#### TEXAS

**160 ACRES** in Lower Rio Grande Valley; will accept part trade of good property. Other bargains. L. W. Heagy, LaFeria, Tex.

**10 ACRES WITH OIL LEASE** in Harris county, Texas. Sell at once. Howard Kubotera, Box 771, Kimball, Neb.

**THE GREAT WHEAT BELT** of North Texas offers exceptionally good opportunity for homes and high class investments. 20,000 acres perfectly smooth land for sale in tracts of 160 and up. Soil 2 to 4 feet deep. Price \$15 to \$25 per acre. 1/4 cash, balance five equal annual payments. This land is close to a good county seat town. For sale by Wm. Hembrow, The Land Man, Caldwell, Kan.

#### WISCONSIN

**BUY A FARM FROM OWNER.** Write Mrs. Sheppard, S. R. Box 7, Medford, Wisconsin.

#### WYOMING

**SOUTHEAST WYOMING** grain, alfalfa, dairy farms. \$30 up. Terms easier than renting east. No hot winds. No alkali. W. F. Whitehead, Hillsdale, Wyoming.

#### MISCELLANEOUS

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

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

**8% MORTGAGES FOR SALE.** Ask questions. Junkin & Avant, Miami, Florida.

**COMPLETE INFORMATION** on the Southwest and Mexico where opportunities abound. Weekly bulletins, \$3 yearly. Rogers-Burke Service, Tucson, Arizona.

#### GET BUSY

Land is the only thing cheap on earth, not being made today. Buy this spring and make \$5.00 per acre on \$15.00 land in six months. For further information, write R. & G. Inv. Co., 417 Winne Bldg., Wichita, Kansas.

**FOR SALE—HIGHLY IMPROVED FARMS** 1,120 acres Burleigh Co., N. Dak., \$44,800. 400 acres Harding Co., S. Dak., \$8,000. 320 acres Kenville Co., N. Dak., \$32,000. 1,447 acres Richland Co., Montana, \$50,000. Further particulars address Charles Peterson, 2704 N. Hamlin Ave., Chicago, Ill.

**120 Acres, \$2,300; With Horse, 4 Cow and**

Helpers, 4 hogs, wagons, sleighs, threshing machine, implements, vegetables, hay, wood, etc.; everything to quick buyer for \$2,300, easy terms; edge town in famous farming section, heavy cropping fields; brook-watered pasture; large quantity wood, timber; maple-shaded 6-room house overlooking river; big barn, silo, garage, etc. Details page 8 Strout's spring catalog; just out. Strout Agency, 831GF New York Life Bldg., Kansas City, Mo.

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Lowest Current Rate  
Quick Service. Liberal Option.  
Interest Annual or Semi-Annual.  
**THE PIONEER MORTGAGE CO.,**  
TOPEKA, KANSAS.

#### SALE OR EXCHANGE

**WANT TO HEAR** from party having farm for sale. Give particulars and lowest price. John J. Black, Capper 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.

**FARMS, CITY PROPERTY, merchandise** for sale and exchange. Send for list. Hosford Investment & Mortgage Company, 824 Massachusetts St., Lawrence, Kansas.

**FOR SALE OR TRADE** by owner: 960 acres, Ellsworth Co., well improved. 325 a. cult., balance good blue stem pasture, land. 200 a. wheat. Possession. Good terms. Trade smaller farm. E. J. Sparks, Ellsworth, Kan.

### Corn is Best Hog Feed

BY GEORGE BISHOP

With corn at the present price it is doubtful whether any profit can be made by using tankage or cottonseed meal at the present prices, to mix with corn or kafir fed to hogs more than 100 pounds in weight. So long as a pound of tankage will cost you laid down at the farm, four times as much as a pound of corn is worth at the farm, I have not been able to figure any money saving in feeding tankage to fattening hogs. And so long as cottonseed meal will cost you 2 cents a pound and corn does not sell for more than a cent a pound, shelled corn basis, corn alone figures to make cheaper gains on hogs than a combination of corn and tankage or corn and cottonseed meal.

#### The Old Ratio

If this rule were applied to pigs in a dry lot and less than 100 pounds in weight, it probably would not hold good. But if we take the old time farmer rule of allowing 10 bushels of corn to make 100 pounds of gain on hogs under average farm conditions, and compare cost of gains on this basis, with cost of gains when the usual amount of tankage or cottonseed meal is fed, the 10 bushels of corn alone at present prices is the most profitable feed for hogs. Experiments have shown, with 30 to 40-pound weanling pigs, fed in dry lots, corn and tankage vs. corn alone; 1 pound of tankage would save 6 pounds of corn. Counting cottonseed meal as only half as efficient as tankage, on the basis of this experiment 1 pound of cottonseed meal would save 3 pounds of corn.

The cost a pound for cottonseed meal or tankage compared with the value at the farm of a pound of corn would yet have to be taken in consideration. For example, let's take the figures of the experiment referred to above and apply the present prices of corn, tankage, and cottonseed meal. With corn and tankage, it took 350 pounds of corn and 50 pounds of tankage; and with corn alone, it took 600 pounds to produce 100 pounds of gain, starting with 30 to 40-pound pigs. Corn is not selling for a cent a pound now, but for convenience we will value corn at a cent a pound and tankage and cottonseed meal at what they now cost, plus the freight to the farm, 4 cents for tankage, and 2 cents a pound for cottonseed meal. A cent a pound for corn makes the "corn-alone lot" cost \$6.00 for 100 pounds gain. The corn and tankage lot, 350 pounds corn, 50 pounds tankage; cost \$5.50 for 100 pounds gain. This shows a saving of \$1.40 a hundred pounds or 1.4 cents a pound, which is well worth while. With corn at 40 cents a bushel the saving still is above a cent a pound.

#### Estimating the Profits

But when we start with hogs at more than 100 pounds weight, the profits figure to be on the side of straight corn. A 120-day feeding experiment, starting with 125-pound shotes, took 595 pounds of corn alone, 455 pounds and 36 pounds of corn and tankage, and 463 pounds and 70 pounds of corn and cottonseed meal, respectively, to make 100 pounds gain. Applying the pound cost figures, 1 cent for corn, 4 cents for tankage, and 2 cents for cottonseed meal, we get a cost of \$5.95 a hundred for corn alone, \$5.99 for corn and tankage, and \$6.03 for corn and cottonseed meal.

Keep in mind these figures are based on a cent a pound for corn at the bin. Corn is actually selling for less than that after the grower has been out 5 to 10 cents a bushel hauling it to market. Keep in mind also these feeding tests were strictly dry lot conditions. With wheat, rye, or alfalfa pasture the loss from buying tankage or cottonseed meal at present prices would be still greater. I am a strong believer in the use of tankage or cottonseed meal for hog feed when it will pay, but it seems that corn can get so cheap compared with meal and tankage, it is more profitable to waste the corn than waste money buying tankage and cottonseed meal.

As a rule, harness lasts for less than 10 years. If the right kind of attention were given to its manufacture and use, it should last for 20 years or longer.

#### 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.



### When to Buy Horses

How farmers can get their horse power for nothing is told by Harry McNair, leading commission dealer in horses at the Union Stock Yards, Chicago, Ill. He says it means careful selection and knowledge of the marketing seasons. The demand for horses is seasonal. The best market of the whole year for all classes, comes from March to June. Horses are needed for the spring work on farms—most of the farms in the East do not raise enough horses for their own use—and draft horses are needed in cities by ice men, the building contractors, and other lines of business especially active in the open months of the year.

There is a strong demand again in the fall, when logging camps must be supplied with horses, and coal companies, trucking concerns and dealers take on extra horses to carry on their work in the winter. Drafters sell readily at these two seasons. The farm chunk sells well in the spring season, as well as the expressers and wagon horses, and there is more or less demand for single animals throughout the year. The buyers who create the real demand, however, by purchasing horses in large lots of 100 to 1,000 horses, are present in the spring from March to June, and again, but in lesser degree, in the fall. The heavy, draft types find good demand in the fall, say from the middle of August thru November. In July, and again in December, January and February, the market is lowest for all classes. Driving and saddle horses find best outlet in the spring.

The farmer who desires to get his work done for nothing will do well not to wait until the heavy spring demand begins, but should buy a couple of weeks in advance—say the latter part of February. He will save more than the cost of horse feed in the difference in purchase price. Then, after the spring work is over, if he has taken care of his horse, he can sell him in June for fully as much, if not more, than he paid for him in February. This applies to drafters and the heavier farm chunks. Farmers will get better power, and, by right buying and seasonal selling, get it for practically nothing, if they invest in first-class animals which will resell readily at the various seasons, instead of looking for the cheapest.

Another thing to remember—the time given a horse for rest and fattening after a hard season's work, is added dollars on his value. Ninety per cent of our buyers will choose a fat horse and be willing to pay more for him. It is just as important in horses as it is in other classes of livestock brought to market. In the fall, the farmer can estimate the number of horses he will keep busy during the winter, and sell off all he has above the minimum. If rested and fed up a bit, they will bring a much better price in November than their purchase price in February.

Seventy-five per cent of our corn-belt farmers who could take advantage of this selling plan, don't turn over their horse stock each year or even every five years, for that matter. The farmer who has pasture enough to raise his own draft animals, if he breeds carefully, cannot only get his work done free, but realize a big profit on his surplus horses. There is no reason whatever for his ever having to write off anything for depreciation, for it is the mature, hardened work horses, of 7 and 8 years old, which are most marketable with city users. With an understanding of the marketing situation, corn-belt farmers can get their work done for nothing and, in many cases, make a profit on the feed and care that their horses have required.

### Herefords and Farming

A practical farmer was asked to what farm conditions Herefords are best adapted. Here is his answer:

"A trip to the ranch of Joe L. McHurre, at the foot of the Flint Hills, west of Howard, Kan., should convince any farmer where Hereford cattle would balance livestock equipment of the farm and increase the profits there."

"Now, if you have Hereford steers to sell, the feeders will go home with you and buy them. But if you mixed steers he will promise to come soon and likely never will come. The great feeder, J. W. Donald, of Howard, paid me \$110 a head for my long yearlings that are just high grades. At the same time my brother sold his scrub steers

at \$59. So he went into the Hereford business. The Herefords are always fat. If you have 100 head of Herefords you can feed every one of them at any age. I am offered \$2,200 for 22 head of registered heifer calves, but don't care to sell them. Some persons say Herefords are not good milkers, but if they don't beat the average good milk cows, let them put the scrub calf beside the Hereford calf, with the same chance, and see the amount of milk they are wasting on the scrub calf, and the amount of feed it will consume—and still remain an inferior animal."

### Good Farming and Livestock

BY G. C. WHEELER

It sometimes happens that a specialist in livestock production is a better stockman than farmer. Growing feed is an essential part of a successful livestock business. A man with \$50,000 invested should make as large an interest return from the \$30,000 invested in land as from the \$20,000 invested in livestock and livestock equipment if he is a good business man. A livestock man who would remain in the business permanently must farm well, for the livestock is kept mainly to give a market for the crops he grows. A considerable part of his profit comes from the growing of crops. Handling livestock and having to buy any considerable amount of feed is an uncertain business compared with a good system of crop production and livestock to supply the market for at least all of the by-products of farming. Many of the by-products of farming can be marketed profitably in no other way than thru good livestock. The more productive the livestock farmer makes his acres, the larger he can make his livestock business, thus enlarging his business as a whole without increasing the number of acres farmed.

### Students Form Livestock Club

A Hoof and Horn club has been organized by the boys taking the course in vocational agriculture at the LaBette county high school under the direction of their instructor, E. A. Clawson. Its purpose is to promote among the young men of the county a greater interest in purebred livestock. All breeds of stock will receive consideration but since conditions in this county are so favorable to dairying many of the boys of this club are anxious to own good dairy cattle. A shipment of 18 Holstein heifer calves from Wisconsin was recently brought here for boys of the club. The officers of this club are: Albert Morrison, Altamont, president; Abner McCrary, Altamont, vice-president; and Leo R. Branham, Edna, secretary-treasurer.

Owning good livestock creates a deeper interest in rural affairs, makes for contentment and helps in forming habits of industry and thrift. Communities of Kansas obtaining Federal and state funds under the Smith-Hughes act are making good progress in encouraging boys and girls to become owners of good livestock.

### Breeders Study Pedigrees

One of the important projects of the Sumner County Shorthorn association in its first year was the conducting of pedigree schools in which lectures were given on the relative merits of different pedigrees by R. W. Kiser, animal husbandry specialist of the Kansas State Agricultural college. Of the 35 Shorthorn breeders in the county the majority are beginners with small herds. This instruction was of great value to the 15 new breeders who attended. Holding a public sale was another valuable activity of this association.

A county stock show was conducted in which 78 animals of several breeds were entered. During this show two educational "movie" films were run, one of them showing how farm profits were increased by handling beef cattle as compared with exclusive grain farming. The efforts of this association have advanced materially the interest in better livestock in that section of the state.

### Time To Buy Good Stock

Breeders of purebred dairy stock and dairymen who may be feeling pessimistic over the outlook for their business should not forget that dairy products are human necessities and their production will continue to be an industry as permanent as civilization it-

## E. L. McCoy's HAMPSHIRE BRED SOW SALE Holton, Kan., March 26

Fifty head of sows and gilts that are of the best blood lines that the breed affords. Many sows that are in this sale are purple and blue ribbon winners. The boars these sows are mated to are:

**Comptroller No. 54633**, a grandson of Lookout Lad, the grand champion of the National Swine Show, 1916. Comptroller with three sows won the blue ribbon and captured the \$25.00 for being the best herd at the Kansas Free Fair. Two of the sows will be sold in this sale.

**Wonder Lad No. 62795**, an extra heavy bone Messenger Boy product, and is one of the best breeding and belting boars that we ever owned.

**Soldier Lad No. 60661**, First prize junior pig Missouri State Fair, 1918, and is a son of Blythedale Jim, the sire of the Lookout family. You will not be disappointed in a litter of Soldier Lad Pigs.

**Bratt's Dekalb's King 24th No. 83555** is a son of Dekalb's King 160 the grand champion of the National Swine Show, 1918. All of the foremost breeders are after Dekalb's King Breeding. If you want something you will like, get a sow bred to Bratt's Dekalb King. Garland Ranch at Jonesburg, Mo., paid \$3,750.00 for a brother to him.

If better pedigrees could be written for herd boars they would be in this herd. Grass will soon be here, these little belted beauties will be ready for it.

I will also sell 50 Hampshire shoats weighing around 100 pounds. A few sows and litters will also be sold at this sale. If you want anything in Hampshires be at this sale and buy them worth the money. Send for full catalog of this sale.

## E. L. McCoy, Mayetta, Kansas

Agent's: Thomas E. Deem, Cameron, Mo., and F. B. Wempe, Frankfort, Kan.

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#### FOGO'S DUROCS

A valuable offering of sows and gilts bred to Fogo's  
Invincible, High Sensation Jr., Supreme Pathfinder  
and Stylish Orion. Send your name for our mailing list.  
W. L. Fogo, Burr Oak, Kan. (Jewell County)

#### Bred Gilts, Fall Boars, Weanling Pigs

by Intense Orion Sensation, Pathfinder Chief 2nd, I  
Am-Great Wonder, Great Pathfinder, the Kan. grand-  
champion, improved, recorded, and express prepaid.  
OVERSTAKE BROS., ATLANTA, KANSAS

#### DUROC GILTS

For March and April farrow \$50  
f.o.b. Russell, Kansas  
**JOHNSON WORKMAN, RUSSELL, KANSAS**  
Breeder of Duroc hogs and Angus cattle.

#### Bred Gilts and Boars

Extra good big type gilts bred for spring farrow.  
Best breeding of the Sensation, Crimson Wonders,  
Orions, and Cois. families. All improved and priced  
right. **ERNEST A. REED, R. 2, LYONS, KANSAS.**

#### VALLEY SPRING DUROCS

Big-type bred sows and gilts; boars all ages; Sept.  
pigs unrelated; popular breeding; registered; improved;  
priced right; good terms. **E. J. Bliss, Bloomington, Kan.**

**SEARLE DUROCS** Better Every  
Year Since 1883  
Stock of all ages for sale. Circular free.  
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**MUELLER'S DUROCS**  
Bred sows and gilts. Boars ready for service.  
Pigs, either sex. Pathfinder strain.  
Priced to sell. **W. K. Mueller, St. John, Kan.**

**CHOICE BRED GILTS**, April farrow. Farmer  
prices. **Wm. Banta, Overbrook, Kansas.**

self. The world is coming to a realization of the universal need of milk in the diet and also that producers must have a living price if they are to remain in the business.

The breeder is a producer of seed stock in this fundamental industry. The producing dairyman in adversity is forced to study conditions more carefully and increase the efficiency of his milk-making machines. This will mean an increased demand for stock of greater productive capacity as he sees the advantage and necessity for widening the margin of profit by increasing efficiency of production. While the

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**Walter Shaw's Hampshires**  
200 head; registered; improved;  
35 tried sows bred; 50 gilts;  
service boars; best of breeding.  
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### WHITEWAY HAMPSHIRE

Sold on approval. Choice bred gilts weighing  
250 to 300 pounds with quality and  
breeding. A few tried sows and fall pigs.  
**F. B. WEMPE, FRANKFORT, KANSAS**

### BERKSHIRE HOGS.

**BRED BERKSHIRE SOWS, RED POLED  
BULLS.** Victor Farm, Lawrence, Nebraska.

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Here is the combination you've  
been looking for: Boars by Jack's  
Great Orion by the 1917 world's  
junior champion, Jack's Orion King  
2d out of popular bred dams. Toppy  
big fellows. Shipped on approval.  
You will like them. Write or phone.

**SID REPLOGLE**  
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### 250 BRED SOWS

Durocs with bone. Tried  
sows, spring and fall gilts  
bred to Pathfinder and  
Sensation boars, guaran-  
teed immune, and in far-  
row. Pay after you re-  
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### Big Type Duroc Spring Boars and Bred Gilts

Pathfinder and Great Orion Sensation breed-  
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giant sows. If you want the best, and priced  
worth the money write  
**G. M. SHEPHERD, LYONS, KANSAS**

### Woodell's Durocs

Some good spring and summer boars at farmers'  
prices to move at once; most of them sired by Chief  
Wonder, first aged boar at both Kansas fairs, 1920.  
**G. B. WOODELL, WINFIELD, KANSAS**

### CHOICE BRED DUROC GILTS

From big type Duroc sows, of Pathfinder, Great Sen-  
sation, and Cherry King Orion breeding. High quality  
individuals. Priced low to sell quickly.  
**J. A. REED & SON, LYONS, KANSAS**

### Extra Good Bred Gilts

spring and summer yearlings of Pathfinder and Orion  
breeding bred for September farrow to High Orion Sen-  
sation and Chief Pathfinder. Young herd boars by  
Pathfinder and Great Orion Sensation. Write us about  
good Durocs. **GWIN BROS., MORROWVILLE, KAN.**

### Duroc Bred Sows and Gilts

Sired by Pathfinders Image 273101 and Peerless Path-  
finder 312649. They are bred to Greatest Sensation, a  
great herd boar. Sacrifice prices or one half value  
for quick sale. **W. R. HUSTON, Americus, Kan.**

### REGISTERED DUROCS FALL PIGS

Either sex; also a number of older males and gilts; all  
well grown and good ones. **J. E. Weller, Holton, Kan.**



## HORSES AND JACK STOCK

## HORSES AND JACK STOCK



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A load of 18 head of the best Kentucky Jacks that I have ever owned. Have been shipping jacks to Kansas since 1879. This load has more size, heavier bone and more quality than any 18 jacks I ever owned, ranging in height 14 1/4 to 16 hands. Only a few under 15 1/2 hands. Every jack is black, reg. and prompt performer. The public is invited to call and see them. They are for sale. I am located at Snyder Livery Barn at Salina, Kansas.

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15 to 16 1/2 hands; the large, heavy-boned kind; all black with white points. More large jacks to select from than you will find elsewhere. Come and see them or write. Forty miles west of Kansas City, Interurban service.

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## HORSES AND JACK STOCK



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For sale, 15 to 16 hands, all blacks, good bone and body. From 3 to 7 years old. Also some younger jacks.

Philip Walker

Moline, Kansas, Elk County

## 40 Big Black Reg. Tenn. Jacks

### With Size, Bone, Quality

Sired by undefeated champions; Gen. Logan, The General, Gen. Wolf, 2 to 6 years; 15 to 16 hands; broken to serve. Few Belgians and Percherons at reduced prices. We have what we advertise. Meet trains at Lyons, Chase, Raymond.

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A service Jack with a certificate from the Standard Jack and Jennet Registry of America is at least 14 1/2 hands standard in height, has 63 inch heart girth and 7 1/2 inches cannon bone; or is a son of the big type stock required by the rules of this Registry. For information regarding registered jacks standing in your county write

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## One Registered Percheron Stallion

For sale, coming 4 years old; dark gray; wt. about 1,850 lbs.; fine work horse; also one registered brown jack coming 3 years old; both extra clean built and good breeders; nice to handle. Price \$500 for the pair; worth more.

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## STALLIONS, JACKS, JENNETS

4 Percheron stallions and 6 jacks for sale; no trade. Write for particulars and prices. 20 jennets nearly all in foal by extra good jacks; for sale or trade.

M. G. RICHAM, OZAWKIE, KANSAS

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## For Sale 3-Good Young Jacks

Big ones; one two-year old, one four-year old, and one six-year old. Also one registered shire horse. Guaranteed breeders and quick to serve. Would consider some trade. GEO. BELL, JARBALO, KAN.

## PERCHERONS

A few choice 4 to 6 year old mares 1700 to 2000 pounds. Well broke to all farm work. Bred to Ivan of Barton. A few stallions 2 to 3 years old. Top-notchers at live and let live prices.

D. A. Harris, Great Bend, Kan., Route 6, 3 miles east

## Two Pure Bred French Draft Stallions

For Sale—4 years old Colonel 29787, dark gray, Frank 29788, black; also one registered jack, 4 years old. Will sell cheap. CHAS. HENGA, Rt. 2, Menden, Kan.

## Good Black Jacks and Stallions

At farmers' prices. Will guarantee them. Can show colts by some of them. Edgar Hartman, Great Bend, Kan.

## Three 1300 Pound Trotting Bred Stallions, Blacks

Extra high class; good condition; \$500 each cash. H. G. Shore, Owner, 328 Wabash, Topeka, Kan.

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One black and one dark gray, both good ones. Reason for trading their fillies in herd. Robert Sanders, Kincaid, Kansas

## Jacks of World's Championship Blood Lines

The type that sire outstanding mules. Broke to serve mares and priced to sell. Louis Mills & Son, Alden, Kan.

## Great Show and Breeding Jacks

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

## GOOD JACK, \$250. HEREFORD BULL, large, \$125.

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## FOR SALE—TWO LARGE YOUNG JACKS

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BOOKING ORDERS FOR CHESTER WHITES. Sows farrowing now. Book your orders. Have some fall boars. Real herd sire prospects. E. E. Smiley, Perth, Kan.

## CHOICE CHESTER WHITE BOARS

For sale. Pedigrees furnished. Lincoln Dirks, Greensburg, Kansas

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## Poland China Sows and Gilts

from our prize-winning herd. Bred to grandsons of Liberator and Big Bob. Also fall pigs. We ship on approval.

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I am not holding a public sale this year. For that reason my offering at private sale is exceptional. I am offering some real sale attractions, the best in my herd. They include daughters of Model Wonder, Great Master, Golden Gate Defender and Giant Bob Wonder. Gilts all bred to Jumbo Joe; tried sows to Golden Gate Defender and Giant Bob Wonder. If you want good ones, these will please you. They are priced to sell quick. Correspondence promptly answered.

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## The Better Kind

of Poland Chinas at farm prices. Choice bred sows and some fall boars and gilts for sale.

Address, MYERSDALE FARM, Gardner, Kansas

## Poland China Special

If taken at once will sell three fall gilts and a boar for \$80.00. Buster Jones breeding. Also some boars and good bred sows for sale cheap.

Frank L. Downie, R. 4, Hutchinson, Kansas

## Poland China Bargains

Service boars, bred sows, and gilts; 40 fall pigs. Sired by 1100 lb. boar, out of 700 to 800 lb. sows. Immune and guaranteed as represented.

OTTO FLAGMANN, ALLENTON, MO.

## POLAND CHINA BOARS

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

## POLAND CHINA BRED SOWS AND GILTS

Also boars. For description and prices write Geo. Wharton, Agenda, Kansas

## SPOTTED POLAND HOGS.

## Weddle's Spotted Polands

Tried sows and yearling gilts, bred or open at special prices. Good serviceable boars and fall pigs. Immune and growing. Priced to sell. Have some fine lots of five or more.

THOS. WEDDLE, R. 2, WICHITA, KANSAS

## SPOTTED POLAND HOGS

Standard or English bred, either sex. Special prices on young boars; have a few Hampshire. All hogs registered and immune. C. W. WEISENBAUM, Atmout, Kan.

## SPOTTED POLAND CHINAS

Bred sows and gilts at farmers' prices for the next 30 days at Cedar Row Stock Farm. A. S. Alexander, Prop., R. 2, Burlington, Kan.

## Reg. Yearling Boar and 2 Herd Boars

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

## Spotted Poland Chinas

Early fall boars priced to sell and a few choice gilts. D. E. Powell, El Dorado, Kan.

## FANCY SPOTTED POLANDS. Bred and open gilts, \$35 to \$50. Boars, \$30. Registered. Immune. John Greenleaf, Mound City, Kan.

## SPOTTED POLAND CHINA GILTS

Bred and cholera immune. D. F. Hartman, R. 6, Abilene, Kansas

## SPOTTED POLANDS—May boars, bred gilts, weanling pigs. Wm. Meyer, Farlington, Kan.

## KANSAS FARMER AND MAIL AND BREEZE SELLS DUROCS

Please discontinue my ad. I am all sold out except four fall boars and I have enough inquiries to sell them. Please send me statement for balance due. Many thanks to Kansas Farmer-Mail and Breeze for it is certainly the paper to get results.—Henry Woody, Barnard, Kan., Breeder of Duroc Hogs.

March 4.

faint-hearted ones may be closing out when business of all kinds is at a low ebb, the men of clear vision are looking upon the present situation as a time to buy instead of a time to sell.

## Dairy Cows Make Good

More than 50 million pounds of butter, valued at \$28,098,000 were produced by the cows of Kansas in 1920, according to the report of the Kansas state board of agriculture just issued. This is almost 6 million dollars more than butter returned in 1919. The item of poultry and eggs sold from Kansas farms amounts to more than 20 million dollars. All classes of livestock have decreased in numbers as compared with the preceding year but the dairy cows and the hens have supplied the one undeniable note of optimism in the farm situation. Dairying always has come to the front in times of adversity. When the wheat crop fails it is the cow that pays the grocery bills. When all other forms of production are going thru a period of depression and discouragement the business of dairying moves steadily forward and the figures supplied by the board of agriculture are proof of the stability and safety of this form of production.

## State Pure Milk Law

A resolution urging the passage of a law forbidding any person in the state from selling dairy products of any kind from cows which have not been tuberculin tested was adopted by the Mulvane Holstein Breeders' association at a recent meeting. The members of this association have been very active in co-operating with the Federal Department and state authorities in the tuberculosis eradication campaign.

Among the best oils and greases for work shoes are neat's-foot, cod, and castor oils, tallow, and wool grease, or mixtures of them. Cylinder oil and vaseline or petrolatum also are good, but are improved by being mixed with animal oils or greases. The application of any oil or grease darkens light-colored or russet leather. Where this is objectionable the shoes should be kept in good condition by frequent polishing.

## Public Sales of Livestock

### Hereford Cattle

March 22—J. O. Southard, Comiskey, Kan.  
April 2—A. H. Wells, Bushong, Kan., at Council Grove, Kan.

April 12—Klaus Bros., sale pavilion, Bendena, Kan.

April 14—Rawlins County Hereford Breeders' association, sale pavilion, Atwood, Kan.

H. A. Rogers, sale mgr., Atwood, Kan.

May 3—Harold B. Woodlief and John Durkall, Ottawa, Kan.

May 25-26-27—B. T. Bartlett, Greencastle, Mo.

### Shorthorn Cattle

Mar. 29-30-31—Central Shorthorn Assn. Show and Sale at Kansas City, Mo.

Apr. 6—Smith County Shorthorn Breeders' Smith Center, Kan.

April 6—Sumner County Shorthorn Breeders' Shallenberger & Andrews, Cambridge, Neb.

April 7—J. R. Young, Valley Center, Kan.

April 7—J. R. Young, Valley Center, Kan.

Agent W. A. Boyd, Mgr., Wellington, Kan.

April 12—Baldwin Red Farm, Conway, Kan.

April 13—F. A. Egger, Roca, Neb.

Apr. 14—E. P. Flanagan, Chapman, Kan.

F. S. Kirk, Wichita, Kan., Sale Mgr.

April 14—J. P. Ray & Sons, Lewis, Kan.

Apr. 15—Shorthorn Breeders' Sale, Newton, Kan.

Apr. 16—A. Homan, Mgr., Peabody, Kan.

April 16—Stafford County Purebred Breeders' association, Stafford, Kan.

Apr. 20—Andrew County Shorthorn Breeders' association, Savannah, Mo.

April 20—Northeast Kansas Shorthorn association sale, Hlawatha, Kan.

Apr. 22—E. S. Dale, Protection, Kan.

Apr. 27—Northwest Kansas Shorthorn Breeders' Assn., Concordia, Kan.

E. A. Cory, Sale Manager, Talmo, Kan.

### Polled Shorthorn Cattle

April 12—Baldwin Red Farm, Conway, Kan.

### Holstein Cattle

March 24—Mulvane Breeders, Mulvane, Kan.

W. H. Mott, sale manager, Herington, Kan.

March 25—Kansas Association, Topeka, Kan.

W. H. Mott, sale manager, Herington, Kan.

Apr. 21—Montgomery County Holstein Breeders' Independence, Kan.

W. H. Mott, Herington, Kan., sale manager.

### Jersey Cattle

April 12—Dr. J. H. Lomax, Leona, Kan.

E. C. Settles, sales manager, 6155 Westminster Place, St. Louis, Mo.

### Poland China Hogs

April 27—Fred Laptad, Lawrence, Kan.

### Duroc Jersey Hogs

April 23—Rule & Woodlief, Ottawa, Kan.

April 27—Fred Laptad, Lawrence, Kan.

Oct. 21—Stafford County Purebred Breeders' Association, Stafford, Kan.

R. Boyd Wallace, sec'y., Stafford, Kan.

## Sale Reports and Other News

### Flood & Son's Duroc Sale

The Duroc sale held by H. W. Flood & Son of Stanley, Kan., February 26, was well

attended and the offering was readily taken by the farmers and breeders attending the sale. Prices ranged very even and altho the offering was practically made up of spring gilts the average was very satisfactory to Flood & Son. The top of the sale went to W. E. Lawson at \$125.

## Central Shorthorn Breeders' Annual Meeting

The annual meeting of the Central Shorthorn Breeders' association will be held in the Doric room, Hotel Baltimore, Kansas City, Mo., at 8 p. m. Wednesday, March 23, 1921. The purpose of the meeting is to elect officers and make plans for the next year. A feature of the meeting will be a lecture and discussion on Shorthorn pedigrees, conducted by W. A. Cochel. The purpose of this new departure is to enable Shorthorn breeders to study pedigrees of the cattle in their own herds, giving proper value to the various individuals which appear among the

## The Livestock Service of the Capper Farm Press

Is founded on the Kansas Farmer and Mail and Breeze, the Nebraska Farm Journal, the Missouri Ruralist and the Oklahoma Farmer, each of which leads in prestige and circulation among the farmers, breeders and ranchmen of its particular territory, and is the most effective and economical medium for advertising in the region it covers.

Orders for starting or stopping advertisements with any certain issue of this paper should reach this office eight days before the date of that issue. Advertisers prospective advertisers or parties wishing to buy breeding stock can obtain any required information about livestock advertising, or get in touch with the manager of any desired territory by writing the director of livestock service, as per address at the bottom.

Following are the territory and office managers:

W. J. Cody, Topeka, Kansas, Office.  
John W. Johnson, Northern Kansas.  
J. T. Hunter, So. Kan. and W. Okla.  
J. Cook Lamb, Nebraska.  
Stuart T. Morse, Okla. and S. W. Mo.  
O. Wayne Devine, Western Mo.  
George L. Borgeson, N. E. Neb. and W. Iowa.  
Ellis Hall, E. Mo., E. Ia. and Ill.

T. W. Morse, Director of Livestock Service  
Kansas Farmer and Mail and Breeze  
Topeka, Kansas

## GALLOWAY CATTLE

REGISTERED GALLOWAY BULLS, COWS and heifers. Fashion Plate, Silver Lake, Kan.

## GUERNSEY CATTLE

REGISTERED GUERNSEY BULL. Two years old, warranted sure, 127 nearest relatives in the advanced registry class. Perkins & Munro, Oswego, Kansas

PUREBRED GUERNSEY HEIFER. For sale. Coming two years old. Priced reasonable. Write J. H. Moore, Oketo, Kan.

## RED POLLED CATTLE

20th Century Stock Farm Registered Red Polls. We are offering bulls of choicest breeding; also cows and heifers from heavy milking dams.

Twentieth Century Stock Farm, Quinter, Kan.

## Red Polls For Sale

Ten head of females. Seven nice yearling bulls and my herd sire to close out my herd. Herd sire Napoleons Reuben, 28735, a grandson of Elgen and Cos International Champions. Priced on quality. T. G. MCKINLEY, ALTA VISTA, KANSAS

## RED POLLED BULLS

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 Luke Wiles, Chas. Graff & Sons and Mankie Greenmiller. GEORGE HAAFF, LYONS, KANSAS

## Pleasant View Stock Farm

Registered Red Polled cattle. For sale, a few choice young bulls, cows and heifers.

Halloran & Gambrell, Ottawa, Kansas

## PLEASANT VIEW STOCK FARM

For sale, 4 choice registered and high grade Red Polled bulls. T. B. tested.

Albert H. Haag, Holton, Kansas

## 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.

## POLLED HEREFORD CATTLE

## POLLED HEREFORDS

### Everything But the Horns

Investigate the leading beef cattle of today before buying your bull for this season. Save dehorning and have all the qualities of the whiteface. Polled Hereford is our herd sire assisted by his son, both first prize state fair winners showing against horned Herefords. We offer a few bulls up to coming three years. Prices right. Satisfaction assured. Write us. Information cheerfully given. Goernandt Bros., Aurora and Clyde, Kansas

## 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.



ancestors; to the methods of breeding which the most successful men have followed and to understand clearly how the value of a pedigree is estimated.

#### The Miller-Jacoby-Haines Sale

The sale of Spotted Poland China bred cows held by Miller, Jacoby and Haines at Huntsville, Mo., March 7, resulted in the disposal of the 50 head cataloged at an average of \$67.20 per head. The offering was a well bred lot and presented in a good thrifty breeding condition, and while no record prices were made the average was very satisfactory to Messrs. Miller, Jacoby and Haines and they are planning to hold a fall sale.

#### Schrock's Polled Hereford Sale

Following a general farm sale of some machinery and horses and mules T. Schrock, Hutchinson, sold 30 Polled Herefords. These Polled Herefords were in pasture condition and were pretty fair quality animals. The cows sold at but fair prices. The heifers and bulls sold pretty well considering readjusted price conditions. Polled Shirley by Polled Success F out of Shirley Dare topped the cow sale at \$175, going to Elmer Dunn, Wichita, Kan. Mr. Dunn bought several of the best Herefords offered in the sale. Improver Prince 2d by Improver Prince out of Polled Daisy topped the bulls at \$140, going to Phil Teeter, Hutchinson, Kan. Twelve cows averaged \$124 per head; seven heifers, \$60 per head; 11 bulls, \$63.50 per head.

#### F. J. Moser's Duroc Sale

F. J. Moser's annual bred sow sale at Sabetha, Kan., Tuesday, March 8, was very much of a success. Forty head brought \$1200 and averaged \$87.60. The offering was good altho Mr. Moser did not have in this sale as many of the high price kind as he did in his 1920 bred sow sale. Last winter his average was higher than was reached by any other Kansas breeder that year. This year there were just three other Kansas breeders that beat his average of last Tuesday. John Pettford, \$88.50; W. D. McComas, \$85.00, and the Zink Stock Farms, \$105. I believe these are the four highest averages made by Kansas Duroc Jersey breeders this winter. The heaviest buyer in Mr. Moser's sale was E. J. Bliss of Bloomington, Kan. He bought six head for \$750 and they averaged \$124.50. Mr. Bliss bought the best sows in the sale and at a price several times less than the same sows would have brought in Mr. Moser's 1920 bred sow sale. W. R. Cline, Hutchinson, Kan., bought two good ones. W. R. McBrine, Parker, Kan., bought several head. The top was \$185 paid by Mr. Bliss for a three-year-old daughter of Pathfinder and bred to Jack's Orion Cherry 2nd. Louis Strahn, a farmer near Sabetha, paid \$185 for a March gilt by Joe King Orion and bred to Crimson Pathfinder. She was one of the best spring gilts sold any sale this winter. Two Capper Pig club boys secured sows in the sale; Jacob Robertson, Coffeyville, Kan., and Lawrence Keller, Green, Kan. Mr. Moser has one of the best herds in the west and was fortunate in having a large number of his great herd sows bred to Joe King Orion before he died late in December.

#### Field Notes

BY J. W. JOHNSON

J. S. Estes, Manhattan, Kan., will sell his entire herd of Shorthorns March 16. The herd is headed by two good Scotch bulls. Plenty of catalogs at the ringside sale day.—Advertisement.

#### Henry Woody's Durocs

Henry Woody, Barnard, Kan., Lincoln county, breeds Duroc Jerseys and Hereford cattle. He has been advertising bred sows and gilts all winter in the Kansas Farmer and Mail and Breeze and I have just received a letter from him that he is cleaned up and still getting inquiries for bred gilts. He has bought a number of choice bred sows this winter and will have a nice lot of sows to farrow this spring.—Advertisement.

#### Angus Herd Bull and Youngsters

George McAdam, the veteran breeder of Angus cattle and Duroc hogs, has for sale his 3-year-old Trojan Erica herd bull, Electro 3d, and also three young sons of Electro 3d. Mr. McAdam's herd is not large enough to keep two herd bulls and a new bull had to be bought in order to retain the heifers by Electro 3d. Hence a herd bull can be bought worth the money. Address George M. McAdam, Route 3, Holton, Kan., and mention this paper.—Advertisement.

#### E. P. Flanagan Shorthorn Sale

P. Flanagan, Chapman, Kan., has sold his farm at that place and bought a smaller farm near Abilene, Kan. His big dispersion sale of Shorthorns will be advertised in the Kansas Farmer and Mail and Breeze soon. The sale is being managed by F. S. Kirk, Wichita, Kan., and it will be held at his new farm, joining Abilene in a big tent. Mr. Flanagan has spent so many years in establishing his Shorthorn herd in the Kansas Farmer and Mail and Breeze which will appear soon.—Advertisement.

#### Cretz & Son's Durocs

A. Cretz & Son, Beloit, Kan., are breeders of Duroc Jerseys who have been advertising bred sows for sale. They are discontinuing their advertisement with this issue as they are all sold out. Later on they will offer some pigs at weaning time. At the head of their herd is C's Giant Orion King, 10 months old and a great individual. They have a younger boar in use, he is by Watt's Orion, a great sire that at one time headed W. W. Jones's herd at Beloit, Kan. Watch for their advertisement of baby pigs a little later on.—Advertisement.

#### The Shorthorn Sale at Concordia

At Concordia, Kan., on April 27, will be held the annual auction of Northwest Kansas Shorthorn Breeders' association. It is of particular importance to the big livestock and farming territory from which Concordia conveniently can be reached that the consignments to that sale come fully adapted for the weather, feed-conditions and care which they will find in the hands of their new owner. There are 30 northern and northwestern counties in the territory which this association serves and in this territory are 300 Shorthorn herds, large and small. Every new herd started in the territory will make business better for the number of herds and the presence of so large a number of established herds is a distinct advantage to each beginner. Any good breed is good, but the association making this sale at Concordia, April 27, proceeds on the theory that Shorthorns are the best

# Two Big Kansas Holstein Sales

## The Mulvane Breeders' First Annual Sale Mulvane, Kansas, Thursday, March 24, 1921

60 head of Purebred Holstein cattle, 25 choice high grades, handpicked from 18 of Mulvane's Show herds.

## The Kansas Holstein Association State Sale Fair Grounds, Topeka, Kan., Friday, March 25

80 head of Registered Holstein Cattle, selected from 22 of the State's GOOD herds. Arrange to attend both sales. An opportunity to buy the best for foundation purposes. Breeding as good as the best. Individuality that assures production and wins in the show ring. Buy Kansas Holsteins. They are healthy. They have size and type. They are acclimated and they are going up not down. Buy now. Plenty of catalogs at the sale ring.

**W. H. Mott, Sales Manager, Herington, Kansas**

#### JERSEY CATTLE

**Hillcroft Farms Jerseys** headed by Queens. Fair 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 84 producing sons. Choice bull calves for sale. Reference Bradstreet M. L. GOLLADAY, PROP., 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 Financial Countess. Lad out of Register of Merit cows. Other stock for sale. R. A. GILLILAND, MAYETTA, KANSAS

**Jersey Bulls; Strong Financial King Breeding.**  
Range from baby bulls to 18 mos. old. Satisfaction guaranteed. Write O. B. REITZ, Coffeyville, Kansas

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

**THREE CHOICE REG. JERSEY COWS** for sale. Heifers coming one and three years. Torono bull, choice breeding. S. S. Smith, Clay Center, Kansas

**FOR SALE—20 HEAD OF JERSEY COWS** and heifers. Fresh and heavy springers. E. H. Knepper, Broughton, Kansas

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

**JERSEY OR GUERNSEY COWS WANTED**  
Extra good heavy milkers. Car load. State particulars. Frank A. Bahe, Ordway, Colo.  
**REG. JERSEYS—**Would exchange for heifers. W. R. Linton, Denison, Kan.

#### HEREFORD CATTLE



### Breed Disturber Grand Champion Herefords

The prepotency of the Disturber strain of Herefords is substantiated by the fact that the sons and daughters, even down to the fourth and fifth generations, are producers of grand champions that are the dominating distinguishing feature of the Hereford breed today.

Breeding stock for sale at all times from the most pretentious herd of foundation Herefords in the world.

Let us tell you the advantage of breeding Pickering Disturber strain of Herefords. You should see the calves from our herd bulls to appreciate them.

Write today for our private sale catalog and farm circular, just off the press. We want your name on our permanent mailing list.

The most elaborate, scientific and extensive breeding establishment in the world.

**PICKERING FARM**  
Major Harlo J. Fiske, Mgr.,  
Box J, Belton, Missouri  
Just south of Kansas City on rock road.



### Hereford Bulls

20 head registered Hereford bulls, yearlings, two's and three's; well bred, well grown, good condition; priced to sell quickly.

**FRED O. PETERSON**  
Route 5  
Lawrence, Kansas

### Hereford Bulls for Sale

10 2-year-olds; 14 yearlings; 12 9 months old; well grown; heavy boned; in good condition; priced to sell.  
**L. COWMAN, HERINGTON, KANSAS**

## HOLSTEIN CATTLE

**C. W. Newman, Prop. Merryall Farms, Wyalusing, Pennsylvania, writes:**

"Holstein cattle have been the real foundation for my financial success. From an original investment of \$75 in one purebred female I have in twelve years sold \$3,840 of stock, and have six valuable animals on hand."

Send for Free Booklets

The Holstein-Friesian Association of America, 199 American Building, Brattleboro, Vt.

### BRAEBURN HOLSTEINS

Three yearling bulls from A. R. O. dams. One by Walker Copic Champion, whose dam and sire's dam held world records in their day, and one of whose daughters has held the Kansas state record for a year for any age, and another the state record for a year for senior 2s. Two by Count College Cornucopia, whose dam and sire's dam average 648 lbs. milk and 32.62 lbs. butter for a week. All ages younger, of like quality.

**H. B. Cowles, 608 Kan. Ave., Topeka, Kan.**

### Registered Holstein Bulls For Sale

Johanna and Pontiac breeding. Price \$75 and up. S. B. Hockman, Beattie, Kansas.

### FOR HIGHLY BRED HOLSTEIN CALVES

Heifers and bulls, beautifully marked, from heavy producing dams, write

**Fernwood Farms, Wauwatosa, Wisconsin**

### BULL CALF

born Sept. 16, '20, mostly black. Dam is Florence Neth. DeKol. A. R. O. yearly record is 1734 lbs. milk, 751 lbs. butter. Herd Fed. accredited. Jay E. Bennett, Holton, Kan.

### HOLSTEIN AND GUERNSEY CALVES

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

#### JERSEY CATTLE

#### JERSEY CATTLE

## Dr. Lomax's Fourth Sale of 65 Head of Registered Jerseys Leona, Kansas, April 12, 1921

Those who have attended former sales know that Dr. Lomax does not keep a Jersey cow that does not pay a handsome profit at the pail. The offering this year is unusually good—and buyers are assured in advance of the high quality of the offering. Mr. E. L. M. Benfer (a neighbor) is putting in 16 head of "top notchers" from his splendid herd. Cows and heifers of rich breeding, prize winners and heavy producers. Financial King, Gamboe Knight, Majesty's Western King, and Golden Fern's Lad blood predominates. For catalogs write

**B. C. Settles, Sales Manager, 6155 West-minster Place, St. Louis, Mo.**

#### HEREFORD CATTLE

#### HEREFORD CATTLE

## A. H. Wells & Son will Sell 50 Head of Select Cows and Heifers at Council Grove, Kansas, April 2, 1921

This is an outstanding lot of cattle. You will receive his catalog by addressing a card to

**J. O. Southard, Sales Manager, Comiskey, Kan.**



# Nebraska-Kansas Shorthorn Breeders Sale

In Sale Pavilion

## Franklin, Neb., Monday, April 4, 1921

The consignors are: Blank Bros. and Kleen, Franklin, Neb.; Blank and Lauer, Franklin, Neb.; W. L. Heldman, Franklin, Neb.; J. D. Wessels and Sons, Franklin, Neb.; G. V. Paul, Franklin, Neb.; Versaw Bros., Franklin, Neb.; Chas. Gardner, Bloomington, Neb.; J. C. Dyer, Naponee, Neb.; Ed F. Gehley, Orleans, Neb.; Pete Poppert, Orleans, Neb.; Haskins and Ogden, Republican City, Neb.; Elmer Gooder, Kensington, Kan.

They are selling 55 head, 37 cows and heifers, 18 bulls. Some of the best breeding the Shorthorns afford will be represented in this sale. There never was a time when one could buy cattle sired by such bulls and bred to them, as at the present time. These cattle are all tuberculin tested.

Franklin is located on the main line of the Burlington between Kansas City and Denver, a convenient place to get to. For further details write for illustrated catalog to

### H. W. Blank, Manager, Franklin, Nebraska

Col. H. S. Duncan, Aust. J. C. Lamb representing the Capper Publications.  
Red Cloud Breeders Sale the day following.

## Smith County Breeders' Second Annual Sale

This is a Northwest Kansas Shorthorn Breeders Association sale selling under the direct management of a Smith County sale committee.

56 Lots—37 Females, 19 Bulls

In the sale pavilion,

### Smith Center, Kansas, Wednesday, April 6

An offering of honest, useful cattle, some with calves at foot, others bred. Some choice young heifers. A lot of good useful cattle from Smith county herds. The bulls are of serviceable ages, good rugged fellows that are sure to sell worth the money.

**Special Offer:** Anyone buying 10 or more females will be given a herd bull free. Look this up in the catalog.

**These are Consignors—All Smith County Breeders:**

S. A. Hill, Smith Center, Kan.	Phillip Albrecht & Son, Smith Center, Kan.
John E. Hill, Smith Center, Kan.	W. A. Bloomer, Bellaire, Kan.
Geo. Hammond, Smith Center, Kan.	T. M. Willson, Lebanon, Kan.
W. T. Hammond, Portis, Kan.	H. G. Kelling, Athol, Kan.
R. L. Taylor & Son, Smith Center, Kan.	

Sale Committee: T. M. Willson, S. A. Hill and Geo. Hammond.

Catalogs ready to mail. Send your name to

### Tom Willson, Lebanon, Kan.

Auctioneers: Price, Brown, Mathis, Fieldman, J. W. Johnson.

## Central Shorthorn Breeder's Association Show and Sale

75  
Bulls

March 29, 30, 31, 1921

Fine Stock Pavilion

Kansas City, Missouri

125  
Females

**BULLS**—The best opportunity of the year to secure the sort of bulls needed in the Better Sires Campaign carried on in Missouri, Kansas and Oklahoma. There will be a few outstanding individuals of the breeding, type and quality necessary to work improvement in the purebred herds.

**FEMALES**—Ten heifers imported as suckling calves or in dam. Sixty Scotch cows and heifers of breeding age bred to the best herd bulls in the Missouri Valley. A large number of Scotch topped females suitable to go on to farms where purebred cattle will profitably replace grades in the production of beef and milk.

The consignments to this sale come from some of the best herds in Missouri and Kansas. Almost all of them were bred by consignors. They will sell within the reach of beginners and of farmers.

March 29, Show, Judging of All Classes. March 30-31, Sale, 75 Bulls, 125 Females

W. A. Cochel, Sales Manager, Baltimore Hotel, Kansas City, Mo.  
Auctioneers: Gross, Milne and Burgess.

## Annual Spring Sale Northwest Kansas Shorthorn Breeders Association

50 hand picked females, half pure Scotch, 15 Scotch bulls.

Concordia, Kansas, Wednesday, April 27, 1921

Sale pavilion,

More than 20 members with selections from their herds. Concordia business men's annual banquet and entertainment. All are invited. An early request for our sale catalog will be appreciated. Address

ED. CORY, SALE MANAGER, TALMO, KANSAS

### SHORTHORN CATTLE

#### MONDAMIN SHORTHORNS

##### Scotch Bulls

Size—Quality—Individuality—Breeding.  
15 yearling and 2-year-old bulls by Golden Sultan, Royal Buttery and Cumberland Crest; also a number of range bulls for sale. All are priced to sell.  
HELD BROS., HINTON, IOWA

#### Scotch and Scotch Tops

A splendid lot of young bulls ready for service. Scotch and Scotch topped. Write for descriptions and prices.  
E. P. FLANAGAN, CHAPMAN, KANSAS

#### Scotch and Scotch Tops

Some dandy Scotch bulls and Scotch topped from 6 to 16 months old. Roans, white and red. Some females for sale. Address  
S. B. AMCOATS, CLAY CENTER, KANSAS

#### Bulls Priced Right

A nice lot of Shorthorn bulls from yearlings up to 20 months. Close prices to move them quick.  
C. W. TAYLOR, ABILENE, KANSAS

#### Reg. Shorthorns—Two Good Bulls

One roan, one white; ready for service; two nice red heifers 10 mos. old; priced to sell.  
FRED HOTHAN, SCRANTON, KANSAS

### POLLED SHORTHORNS.



#### POLLED SHORTHORNS

"Roan Orange," "Sultan's Pride," "Scottish Orange," and "Grand Sultan." Weight 4 tons. Heads herd of nearly 200 reds, whites and roans. 20 males and females \$100 upward. Tuberculin test, registration, and transfers free. Will meet trains. Phone 2893 at our expense.  
J. C. Ranbury & Son, 1 mile west of Pierson, Kan.

#### High Class Polled Shorthorn Bull

For sale. Modern Sultan 2nd 751547. On accredited herd list. Color red. Build blocky. Fine disposition. Priced for quick sale.  
O. M. ALBRIGHT, OVERBROOK, KANSAS

#### POLLED SHORTHORNS

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

#### HORNESS SHORTHORN SALE APRIL 13

Baldwin Red Farm, Conway, Kansas  
McPherson County, Conway, Kansas  
TWO POLLED SHORTHORN BULLS for sale. Dark red, good individuals.  
Easter Bros., Abilene, Kansas

### ANGUS CATTLE



20 Bulls  
15 to 30 months old. Big, strong fellows. Priced reasonable.  
J. D. MARTIN & SONS  
R. E. Lawrence, Kan.

#### ANGUS CATTLE

Some choice bulls for sale.  
GEO. M. McADAM, HOLTON, KANSAS  
SELLING REGISTERED ANGUS BULLS  
G. A. Cornell, Charleston, Kansas

adapted to the farming of the counties involved. This belief in many minds has created an unusual Shorthorn sentiment and nothing more is needed to guarantee the success of a well conducted Shorthorn herd. Write for the sale catalog, mentioning this paper and addressing Ed Cory, sale manager, Talmo, Kan.—Advertisement.

### Smith County Shorthorn Sale

Smith county Shorthorn breeders, members of the Northwest Kansas Shorthorn Breeders' association, will hold their second annual Smith county sale at Smith Center, Kan., Wednesday, April 6. The sale committee is Tom Willson, Lebanon, Kan.; S. A. Hill and George Hammond of Smith Center. Fifty-six head will be sold: 37 females and 19 bulls in the sale pavilion, Smith Center, on that date. For the catalog you can write Tom Willson, Lebanon, Kan. You should do so at once, as these catalogs cost money and the committee does not want to send them out where they are not wanted, but are very anxious to supply everyone with a copy that is interested. Just a card to Mr. Willson at once will bring the catalog. All of the consignors are members of the big Northwest Shorthorn Breeders' association, but because they have cattle enough in Smith county for a sale of their own they are holding their own sale under the direction of their own sale committee. They have employed F. S. Kirk of Wichita, the manager of the big Kansas National, to assist with the sale in the capacity of pedigree expert. He will be there to assist anyone who wants him in making selections and interpreting the pedigrees for the patrons of the sale. A very fine plan has been adopted for this sale of giving every purchaser who buys 10 or more females a free bull. This is done to induce beginners to buy in this sale. It is a nice way to start. The advertisement of this sale appears in this issue of the Kansas Farmer and Mail and Breeze. Look it up today and write Mr. Tom Willson, Lebanon, Kan., for the catalog.—Advertisement.

### Last Call for Holstein Sales

This is the last call for the big Holstein sales, Mulvane, Kan., near Wichita, March 24, and the annual spring sale of big Kansas association at Topeka, March 25. Arrangements are being made for getting into Wichita from Mulvane promptly after the sale in plenty of time to get the trains for Topeka that evening. Sixty splendid purebred cattle and 25 high grades of the right kind, all selected from 18 herds, all Mulvane herds, selections mind you and not cattle that are just for sale. This is their first annual sale and the Mulvane breeders have organized there for the purpose of holding these sales once every year at least. Mulvane Holsteins are gaining in popularity everywhere and are gaining a national reputation. The last issue of the Country Gentleman, a Philadelphia publication with a national circulation, devoted two pages to Mulvane Holstein breeders. Valuable herd bulls, high testing cows, fine, modern dairy barns with other expensive dairy equipment and paid for out of profits from Holsteins is a story well worth reading. At Topeka, Friday, March 25, the day following the Mulvane breeders' sale, the annual Kansas association sale will be held. Eighty head, selections from 22 strong Kansas herds will be sold. Every member of the big Kansas association should attend this sale. There are over 400 of you and it would be great if you could all attend. If those who can would get in touch with some beginner that would appreciate the opportunity to buy good cattle with his interests safeguarded as they always are in these association sales, it would be promoting the interests of Holstein breeders in Kansas and in a substantial way. Kansas Holsteins are being sought after all over the West. It is an interesting fact that the percentage of Holstein herds under federal supervision is greater in Kansas than any other state. Kansas Holsteins are acclimated and healthier than cattle in many other dairy sections because they are outdoors more. Size, type, show ring quality of Kansas Holsteins are attracting attention everywhere. Beyond that is all posted about Holstein affairs believes that Holsteins will be selling much higher in a short time. That now is the time to buy but a poor time to sell is very evident. The money is in the good ones and in these sales there are nothing but good ones. You will be treated splendidly at these sales. You are invited to come. There will be plenty of sale catalogs at the ringside. The sales are next Thursday and Friday at Mulvane and Topeka. Come on over if you are interested in the black and white.—Advertisement.

BY J. T. HUNTER

### Weddle's Spotted Polands

Thos. Weddle, Route 2, Wichita, Kan., has on hand a nearly all time a good herd of Spotted Polands and sells the surplus at very reasonable prices. These hogs are thrifty and will do well on any farm. There are for sale tried sows, yearling gilts bred or open and serviceable boars and fall pigs. Mr. Weddle is making very attractive prices on lots of five or more. Write him today. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

### J. R. Young's Shorthorn Sale

J. R. Young of Valley Center, Kan., has announced April 7 as the date of his Shorthorn sale. On that date Mr. Young will sell about 65 head of Shorthorn cows, calves and bulls. Twenty head of the cows will have calves at side and others will calve soon. The offering is Scotch topped and there will be a number of extra good cows in this sale. Catalogs are now ready to mail. If interested in Shorthorns, send at once for catalog and arrange to attend this sale.—Advertisement.

BY J. COOK LAMB

The Shallenberger-Andrews Shorthorn Sale. On April 7, 1921, Shallenberger & Andrews sell at Cambridge, Neb., the greatest offering of Shorthorns they have ever given thru a sale ring. This herd has long been known as two of the greatest herds in the land and they have held some of the best sales of the state the past few years, and the offering they are selling this year is by far the best they have ever sold at public auction. At the head of the Shallenberger herd stands the great bull, Gainford Marshall, of the breed. Mr. Shallenberger is selling a fine lot of cattle sired by and bred to this bull and any one of them will be a great asset to any herd. He is selling four bulls by Gainford Marshall, that are of real show and herd heading quality. They are the kind that have made their sire famous and given Mr. Shallenberger a record for high class bull production. Ashbourne Choice won the special at the Nebraska fair for best bull any age and any breed.



Shallanberger does not hesitate to say that this is the greatest lot of cattle in the country and breeding that he has ever offered at public auction. The cows and heifers are all bred to Imp. Strowan Ashbourne, the English Royal winner, or to the great young son of Gainford Marshall, the great young son of Gainford Marshall, the great young son of Gainford Marshall, the great young son of Gainford Marshall. Several very competent breeders have seen these cattle and they pronounce them as one of the very best lots ever sold this year. Mr. Andrews is also consigning a great lot of cattle. He is selling three bulls ready for service, two Royal Supreme and from as great cows as the breed affords. Royal Avon is a De- yearling roan, lots of scale, correct shape and excellent breed character. His dam is a Marr Clara by Knight Avon. Diamond Supreme, a February yearling, roan, very low down thick fellow, and is a bull good enough to go to the head of any herd. He is a wonderful cow by Avondale's dam. He is hard to equal in breeding and individuality. He is also selling a number of other bulls of equal merit and also 20 cows and heifers. Most of the young things are by Royal Supreme and most of the older ones are carrying his service or have calves by him. Now the last two years the cattle from these herds have sold for more money than any other sales at public auction and breeding. These gentlemen have kept the price stop them putting cows and heifers in their herd of the best breeding and individual merit, as it is their aim to keep their herds the best in the land. If you can all rest assured that when you attend this sale you will see one of the greatest consignments of Shorthorns that have ever been driven thru a sale ring in Nebraska. That may be a pretty strong statement but these men have the goods to back up every statement they make so come to this sale and be your own judge. Remember the date is April 7, 1921. Write them for their illustrated catalog, mentioning this paper. J. Cook Lamb will represent this paper.—Advertisement.

BY O. WAYNE DEVINE

#### Pickering Farm News

The Pickering Farm reports the sale of young bulls to the Combs Cattle Company, San Antonio, Tex. Four of these 45 animals were especially fine herd bulls and Mr. Combs plans to use them as herd headers. Two of these four animals was by Beau model, another by Repeater 7th and two of them by Disturber 4th. The 41 bulls are used on the range. They are all yearlings and in wonderful condition, weighing approximately 1400 pounds each. R. W. Arnold of Marathon, Tex., bought four other young bulls. One of these is a two-year-old son of the great Ardmore, another a splendid young son of Beau Donald 173d, another—namely, Pickering 5th—sired by Repeater 7th and a very promising youngster, and the fourth sired by Disturber 4th. The Disturber calf last mentioned is a show bull and was originally a member of the show herd. The Pickering Farm is to keep this calf for Mr. Arnold until this coming fall. Mr. Arnold intends using his four bulls as stud sires in connection with his herds in Texas. Both Mr. Combs and Mr. Arnold are members of the Highland Hereford Association of Texas, and they state that this is the best lot of bulls they have ever bought in that part of the country. There is no doubt but what this means the sale of more and better bulls in that vicinity in the future.—Advertisement.

BY E. S. HUMPHREY

#### Breeding to a Jack This Year?

If so, make sure that the jack is registered with the Standard Jack and Jennet Registry of America. This insures that he is the size and constitution to sire the mules that spell a profit for other work. The Standard has some good data on mule raising that they will be glad to send to interested farmers. Write for it to E. S. Morton, Secy, Searritt Bldg., Kansas City, Mo. When you write tell him how many mules you will breed to jacks this season, how many head of mules or jack you own and who owns the jacks that are standing in your community.—Advertisement.

BY T. W. MORSE

#### Extensive Shorthorn Prizes

It is a progressive attitude which the American Shorthorn Breeders' association displays in the matter of Shorthorn prize appropriations for the current year. The amount appropriated by this association is considerably in excess of \$100,000 for Shorthorn prizes alone. Much of this amount is offered on the basis of one dollar to the Shorthorn society to two dollars offered by the state, district, county or local fair or show associations. In some cases the one dollar offered by the Shorthorn association calls forth three dollars from other sources so it becomes apparent that when the prize awards are tallied up Shorthorn exhibitors will have received for the year 1921 prize money not far from \$200,000. The various states are showing a particularly confident attitude resulting in \$40,000 being offered for Shorthorn prizes at the state fairs of Iowa, Illinois, and Ohio. It is approximately a third of the amount of each of these fairs. The Tri-State Fair at Memphis will offer \$10,000; the Minnesota State Fair, \$9,000; Missouri, \$5,000; Georgia, \$1,000, and so on in proportionate amounts throughout the states where Shorthorn breeding is a considerable factor in agriculture which means practically the entire United States. The International, American Royal, Pacific International, and the Eastern States Exposition, will all be generously represented as heretofore; then there is the long list of state association air championship prizes in addition to the high prizes. These last mentioned get very close to the grass roots and have a definite appeal to the farmer who has never considered himself even remotely related to the Shorthorn interests. This is constructive exhibition, so to speak, on the part of the American Shorthorn Breeders' association, receiving highest commendation.—Advertisement.

BY ELLIS RAIL

#### Dr. Lomax's Jersey Sale

Dr. J. H. Lomax of Leona, Kan., has announced April 12 as the date of his fourth Jersey sale. On that date Dr. Lomax will offer a herd of richly bred high class Jersey. E. L. M. Benfer is consigning 16 head of richly bred Jerseys from his herd and the combined offering will be one of the best Kansas lots of Jerseys that will be sold this year. Look for the ad in this issue and write B. C. (Settles) Sales Manager, 6155 Westminster Place, St. Louis, Mo., for catalog.—Advertisement.

# Shallanberger and Andrews' 21st Annual Shorthorn Sale

We Are Selling at Cambridge, Nebraska, on April 7

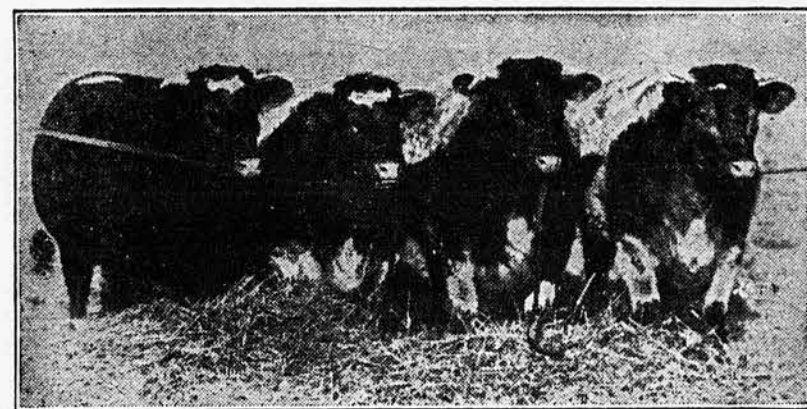
the greatest offering ever amassed from these two great herds. Since our entering the business of breeding Shorthorns and holding public sales we have never driven an offering through the auction ring that was the equal of the great draft we are selling on April 7th.

## 50 Head

As individuals they are in a class alone. From a blood line standpoint they are unexcelled.

**GAINFORD MARSHALL**, the great bull that stands at the head of the A. C. Shallanberger herd is without a doubt one of the truly great bulls of the breed. As a sire he has but few equals. **ROYAL SUPREME** has also won for himself an enviable position in the herd of Thos. Andrews.

**THOS. ANDREWS** consigns three bulls ready for service that are a credit to the breed. Two by Royal Supreme and out of as great cows as the breed affords. Diamond Supreme, a January yearling, is a roan, a low down thick fellow and is good enough to head any herd in the country. Choice Lad, a February yearling, by Supreme Choice, is one of the greatest prospects we have ever owned. Most of the young things are by Royal Supreme, and most of the older things are carrying his service or have calves at foot by him. The last two years the cattle from these two herds have sold for more money than any other herds in the State of Nebraska, and have done so by right of individual merit and breeding. This year we are maintaining the same standards and we have improved in a great many instances.



own power; the determination of the quality and the breeding of his offering, and Ashbourne Farms is putting forth its best efforts in this sale. The cows and heifers are all bred to Imp. Strowan the English Royal Winner, or his great young son of Gainford Marshall Ashbourne Choice.

Remember that this is the greatest offering of cattle that have ever been consigned to a sale from these two great herds and we are offering them to the buying public with a great feeling of pride. We have gone deep into our herds to make this the greatest sale we have ever held from an individual standpoint, and we await your verdict upon this offering without fear as we are sure they will please the most critical buyers. April 7th, 1921, is the date. Cambridge is the place. Write for our catalogue. Send all buying orders to J. Cook Lamb who will represent this paper.

**Shallanberger and Andrews, Cambridge, Nebraska**

A. W. Thompson, Auctioneer.

## 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.**

## BETTER BEEF THEN



One of Chicago's best known cattle buyers recently said, "When they raised Shorthorns only in Illinois we got much better beef cattle at this market than we do now since there has been so much mixing of breeds. We don't get the weights nor quality that we did then." But they are getting back to Shorthorns in Illinois now for the best of reasons.

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

## SHORTHORNS, PRIVATE SALE

Cows bred, yearling heifers and bulls from seven to 12 months old. Priced right and sold in lots to suit purchaser. The blood of Choice Goods, Cumberland's Lad and Red Knight predominates. Parties met at Wamego, six trains each way daily. Phone 3218 Wamego. W. J. Ferguson, Westmoreland, Kansas

## J. R. Young's Shorthorn Sale Valley Center, Kan., April 7

65 head of Registered Shorthorns: 35 cows, 10 bulls, all ready for service. About 20 head of the cows will have calves at foot. Others to calve soon. The calves range from fall to winter calves, most of them are big lusty heifers.

12 of the cows are registered in the Polled Shorthorn registry and the offering consists entirely of registered cattle. Herd sire is a Polled Shorthorn by True Sultan and a good breeder. Some of the young bulls are by him. The offering is Scotch topped. A number of the cows are extra good.

Will meet all interurban trains at Valley Center up to 1 p. m. sale day. Sale called at 1 p. m. at farm 1 mile south of Valley Center and 8 miles northwest of Wichita. Send at once for catalog.

## J. R. Young, Valley Center, Kan.

Newcomb, Snyder and McLinden, Auctioneers. J. T. Hunter representing Capper Farm Press.

## 1886 Tomson Bros. Shorthorns 1921

200 head in the herd representing the most popular Scotch families. Just now we are offering a nice lot of Scotch bulls by Village Marshall and Beaver Creek Sultan. Prices moderate and within the reach of all. Address

**Tomson Bros., Wakarusa, Kansas or Dover, Kansas**





A BATHROOM is not merely a space in which plumbing fixtures are grouped in the most compact and economical manner.

It is the one room which must give service day and night and year after year. It is the center of home health and comfort, and if in addition to its service value it is attractive and beautiful, its use is a pleasure rather than a necessity.

Better bathrooms make healthier homes.

Write for copy of catalogue "Standard" Plumbing Fixtures for the Farm." It is illustrated in colors, shows complete bathrooms and fixtures, as well as model kitchen and laundry.

Standard Sanitary Mfg. Co., Pittsburgh

In addition to the displays of "Standard" Plumbing Fixtures shown by Wholesale Dealers and Contracting Plumbers, there are permanent "Standard" exhibits in the following cities:

NEW YORK.....35 W. 31ST	*EAST ST. LOUIS.....16 N. MAIN	*ALTOONA.....918 ELEVENTH	KANSAS CITY.....201 RIDGE AVE.
NEW YORK (EXPORT DEPARTMENT).....50 BROAD	*CLEVELAND.....4409 EUCLID	MILWAUKEE.....426 BROADWAY	SAN FRANCISCO.....149-50 BLUXARD
BOSTON.....186 DEVONSHIRE	CINCINNATI.....633 WALNUT	*MILWAUKEE.....311 FIFTH	*LOS ANGELES.....216-224 S. CENTRAL
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*ST. LOUIS.....4140 FOREST PARK BLVD.	*HUNTINGTON.....SECOND AVE. AND TENTH	*SAN ANTONIO.....212 LOSOYA	*TORONTO, CAN.....59 E. RICHMOND
	*ERIE.....130 W. TWELFTH	*FORT WORTH.....828 MONROE	*HAMILTON, CAN.....20 W. JACKSON

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