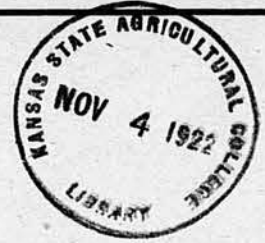


KANSAS FARMER AND MAIL & BREEZE

Volume 60

November 4, 1922

Number 44



Howdy Folks



THE widespread response that has greeted the financial and investment department recently begun has been very pleasing to Kansas Farmer and Mail and Breeze and has demonstrated beyond doubt that subscribers of the paper desired such a service which would really be of value to them in making safe and profitable investments.

Within a few days after the announcement of the department was published the first letter asking for investment information was received. Since then the letters have been coming in steadily and in increasing numbers.

Advice Cheerfully Given

The difficulty the average farmer has in getting financial information makes this department and special service a boon to him. By writing to Kansas Farmer and Mail and Breeze he can get a line on any company, stock or bond within a reasonable time, obtaining information which will enable him to fairly accurately judge whether he should invest in that particular security.

Of course this service will be improved all the time and constantly will cover a wider range. In addition to answering specific questions asked, Kansas Farmer and Mail and Breeze is glad to make investment suggestions that will be helpful.

The best information available from many sources is being gathered and put into non-technical form for the general articles on investments. It is the purpose of the department to take up every phase of investment securities and to show methods of analyzing them and discovering their worth. Later it is the plan to take a security and dissect it so a farmer will know how to proceed in analyzing some other security for himself.

The series of educational articles are of undoubted value because they will familiarize readers with securities and will arm them against the arguments of peddlers of fake or questionable stocks and bonds.

Another important phase of this service will be the occasional publication of articles in which economic and financial subjects will be treated, in an effort to indicate the trend of the times and to afford a basis for judging the future prospects of all securities.

Investments Must Be Safe

Kansas Farmer and Mail and Breeze has been firmly convinced by the reception this department already has received, that its subscribers highly appreciate what it is trying to do and it feels certain that it will be instrumental in aiding farmers in obtaining securities which will not only be safe but profitable. And by doing this it will prevent heavy losses that have been met in the past thru putting money into securities of little or no value.

Many farmers who have money to invest are handicapped because they are not familiar with reliable investment companies thru which they can make purchases. Kansas Farmer and Mail and Breeze is glad to announce that this handicap is being overcome. Some investment houses, which are thoroly in sympathy with Kansas Farmer and Mail and Breeze in its

effort to protect the farmer from phony stock salesmen and from making bad investments, are now advertising in the paper. These houses are reliable. Kansas Farmer and Mail and Breeze will not knowingly accept the advertisements of any but reliable concerns and it is glad to recommend the companies whose advertisements appear on the financial page. Subscribers desiring to make purchases of stocks and bonds can be sure of good treatment if they patronize these concerns. The investment service of Kansas Farmer and Mail and Breeze is free. No strings are tied to it. Every subscriber is invited to use it so often as he has need for it. If Kansas Farmer and Mail and Breeze can be of assistance in any way it desires to do so.

Little Girls Made Happy

During the last few months many little girls have been made exceedingly happy because I sent them beautiful dolls. Every little girl instinctively longs for a doll and no matter how many she has there is always room in her heart for one more.

Appreciating this fact, I have made arrangements whereby every little girl reader of this announcement is put within easy reach of a big, lovely doll, free. The doll will come securely packed to prevent damage in the mail and will be delivered to your door by the postman without you having to pay a penny for it.

These dolls I am offering are really beautiful. They are 15 inches high and instead of being stuffed with cheap sawdust or excelsior, they are firmly filled with Spanish cork. They have pretty blue eyes, rosy cheeks and the prettiest little blue or rose colored dress you ever saw, trimmed with white rick-rack braid. The dresses are so arranged that you can dress and undress the dolls.

Be the first girl in your neighborhood to get one of these beautiful dolls. Just address a postcard to Aunt Alice, 36 Capital Building, Topeka, Kan. You don't even need to write a letter.—Adv.

Kansas Loans Are Good

"We have over 2 million dollars in farm loans in Kansas and not a default," said Henry L. Slater, vice-president of the Rhode Island Hospital Trust Company of Providence, R. I., who was in Abilene recently with other Eastern capitalists looking over the investments of their companies.

"We heard a lot about the Western farmer's condition, down East," said he, "and came out to see for ourselves. We find every farmer-borrower has his interest paid in full and we think more of the solidity of the Kansas farming interests than ever."

During the last 20 years the farmers of Kansas have produced approximately 400 million dollars' worth of hogs, or 20 million dollars' worth every year.

Kansas ranks seventh among the states in acreage of corn. The 5,000,000 acres in this crop this year is greater than the total acreage in all crops in 18 other states.

More Money is Available

BY HENRY C. WALLACE

THE Federal Farm Land Banks are now lending money at the rate of almost 300 million dollars a year, and the interest rate is 5 1/2 per cent. Last year thousands, and perhaps hundreds of thousands, of farmers were being required to pay 7 and 8 per cent and in some cases more, including interest and commissions for farm mortgage loans.

The law which Congress passed authorizing the Joint Stock Land Banks to reduce the interest rate on their bonds to 5 1/2 per cent without making a corresponding increase in the interest rate charged the farmer also helped very much to relieve the mortgage loan situation.

These two acts dealing with farm mortgage loans not only provided hundreds of millions of dollars additional for making such loans, but also helped very much in reducing the high interest rates and grossly unjust commissions of one sort or another which were being charged for making mortgage loans.



From GRASS to DRY FEED

Now, the pasture field and range must give way —to the stall and manger, the feed lot and self-feeder, the barnyard and fodder rack.

Include

DR. HESS STOCK TONIC

in the ration

You have often noticed stocking of the legs, roughness in the hair, highly colored urine—all on account of the change from grass to dry feed.

Not so where Dr. Hess Stock Tonic is fed. The Tonic, the Laxative, the Diuretic, take care of all that. No worms; the Vermifuges settle them.

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Tell your dealer what stock you have. He has a package to suit. **GUARANTEED.**

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SMOKE-EM THE GUARANTEED ROUP CURE. A scientific drugless cure for roup, colds, coughs, diphtheria, and chicken pox. Discovered by the world's greatest authority on the disease, Dr. H. H. Spahr, of the world's largest hatcheries, and Lechorn Chickens, Inc., of the world's largest broiler farms. After losing thousands of dollars worth of broiler chicks from roup, we were determined to discover a cure. Since discovering and using "SMOKE-EM" for three years we have not lost a chicken from roup. Sold under a money-back guarantee. Thousands of testimonials. You owe it to yourself and your poultry to write or wire us today for our large catalog fully describing this wonderful roup cure. The price is low.
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KANSAS FARMER and MAIL & BREEZE

November 4, 1922

By *Arthur Capper*

Vol. 60 No. 44



One Way That Wheat Will Pay

J. O. Donner Made it His Major Crop But Played Safety First With Livestock and in Six Years Cleared a \$9,000 Debt From His Farm

By Ray Yarnell

NINETEEN years ago J. O. Donner of Iuka, Pratt county, borrowed \$1,000 to make the first payment on a quarter section farm he purchased for \$9,000. He was just getting started for himself and the debt looked mighty big. In six years the original \$1,000 had been returned and the mortgage on the farm paid off. Since then Donner has been using the same methods and adding to his capital every year. Money that cancelled the indebtedness came from wheat. Every bushel Donner raised on rented land, in addition to the landowner's share, was net above all expenses. It isn't often that a wheat grower can substantiate such an assertion but Donner is able to do so. The fact is that he was more than a wheat grower altho production of wheat was his major enterprise.

Keeps Livestock to Play Safe

Cows, sows and hens paid the running expenses of Donner's farm, meeting all operating costs. The wheat crop on the 160 acres he owned more than paid the operating expenses on the land he rented. So every year Donner was able to turn against the mortgage on his farm practically the entire income from his wheat. Six crops put him on top.

"I never have owed more than \$30 to my grocer," said Mr. Donner, "and I never have had to stick a scoop into a wheat bin to pay my grocery bill. I am proud of that. Either cows, sows or hens have taken care of our living expenses ever since Mrs. Donner and I started out on this place. I told her then that we must have livestock in order to be safe and then we could afford to take a chance on wheat. I always have played the wheat game so I couldn't be cleaned out. I might lose an entire crop but I still would be able to go ahead next year without borrowing, thanks to my livestock."

Three years ago, when prices were at the top, Donner sold out and quit farming, altho he retained the home place. He began to specialize in poultry. Now he is getting back into the farming game, believing that there again is a chance to make it profitable.

One thousand one hundred and fifty White Leghorns coax a lot of money Donner's way. He has 240 hens and will keep 500 layers during the winter. The remaining 410 chickens will be

sold. Donner always has had poultry but he did not take up White Leghorns until 1921 when he got 250 hens. Figuring the pullets he retained at \$1.50 each, the flock cleared that year \$1,300 above all expenses and the gross income was \$1,700. Egg income from 250 hens in eight months totaled \$900.

In the first six months of 1922 the 240 laying hens in this flock were excellent money makers. Income from all sources, but chiefly from eggs, totaled \$860.70. During that period Donner spent \$121.26 for feed and he had sufficient left over to run the flock until October. He still had 400 chickens to sell, along with six months' egg production from a larger flock, so his poultry income for the year promises to be as large or larger than in 1921.

So profitable has poultry become that Donner has been liberal in providing good quarters for his flock. The roost section of the house is 14 by 40 feet in size, with a row of windows in the south side just beneath the roof. A scratch pen extends the full length of the poultry house, the peak of the roof joining the larger building at the base of the windows. The pen also is 14 feet wide. The walls are made of chicken wire. There is no solid partition between the roost section and the scratch pen. Hens are turned on open range thru small gates in the wire walls.

During winter storms Donner stretches header canvass around the wire walls of the scratch pen to protect the hens from cold. He obtained

the canvass at farm sales very cheaply and has enough to cover every opening.

Roost arrangement is conventional, horizontal perches suspended several inches above dropping boards. Metal nests are used exclusively, being located in groups in various parts of the house. The roost section is divided in two parts so hens and pullets may be separated if desired.

The house is equipped with mash hoppers, is lighted with electricity and has running water on tap. It was built three years ago and cost \$300. Mr. Donner says he could replace it today for \$200.

Donner is planning to go into the baby chick business on a large scale next year. He has an 800-egg incubator and will increase this to 1,750-egg capacity before spring. Starting in February he is counting on bringing off four or five hatches. Many of the chicks will be retained, part to be finished as fries and the others kept for egg production.

To take care of these chicks a brooder house, 14 by 54 feet in size, is now under construction. The roof will be 8 feet high at the front and 5 feet high at the rear. The floor will be of concrete. A stove will be located in each end and the center of the building will be available to the chicks for exercise.

The summer ration for the hens consists of a mash containing 100 pounds of bran, 100 pounds of shorts, 100 pounds of corn, 100 pounds of kafir

and 2 pounds of salt. In addition, kafir and millet seed are fed. The winter grain ration consists of corn at night and kafir or milo in the morning. When milk is unavailable 50 pounds of meat scrap is added to the mash.

Prepared buttermilk is fed to baby chicks for the first few days. They gradually are switched to the same mash the hens receive.

Donner milks eight to 10 cows, mixed Jerseys and Holsteins, in the winter and two in summer. This plan avoids congestion of work during wheat harvest. In the winter months receipts from cream sold average \$35 a month and the skim milk is available for chickens and pigs.

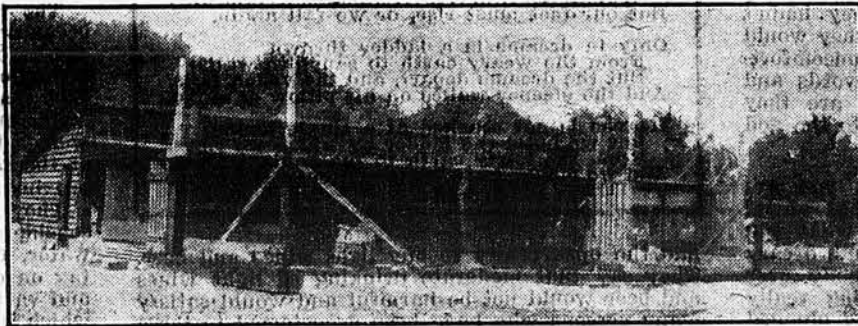
Believes in Purebred Hogs

There are 20 registered Duroc Jersey hogs on the farm. Donner has only one brood sow but he plans to buy others. He often feeds out a bunch of hogs in addition to those he raises. When he was farming on a big scale he grew considerable corn, feeding most of it to swine.

Rye is sown for fall hog pasture. Donner prefers cane to Sudan grass as he says he can get more spring pasture from it. Several attempts to get a stand of alfalfa have failed.

Until three years ago Donner listed his wheat land when convenient. Now he lists so soon after harvest as he can get into the field. His yields formerly ran around 14 bushels. Now he gets around 20 to 22 bushels an acre.

This family appreciates the modern home conveniences now available to farmers at a reasonable cost and has many of them. An electric plant supplies light to the house, hen house, milk house and barn and power to run a separator, a grain elevator, a power washing machine and other household appliances which reduce Mrs. Donner's work. In the cemented basement is an automatic pressure water system, also operated by electricity. This consists of a small tank in which pressure to force water from the well is produced. As soon as the pressure becomes less than 20 pounds the pump is started and continues to operate until the pressure reaches normal. A hot water system also is installed in the basement and connected with kitchen and bathroom taps. The house is heated with a pipeless furnace.



This Poultry House and Scratch Pen, 28 by 40 Feet in Size, Houses J. O. Donner's Flock of 1,150 White Leghorn Hens and Chicks

The Things That are Caesar's

By Guy Morrison Walker

TWO MEN of the Stone Age, feeling the pangs of hunger, picked up their stone hammers or axes and started out in search of food. They had hunted so long in the region of their cave that they had destroyed most of the game that formerly roamed near their habitation, and they now found that they were compelled to go farther and farther away before finding anything to eat.

On this particular occasion they had traveled and hunted for two days without making any kill, when good fortune brought them across a doe with its fawn. Starting in pursuit they soon captured the fawn while the doe bounded away. In their crude, savage way they divided the little beast between them and proceeded to satisfy their hunger by consuming all they could hold of the little animal.

Having finished their meal the younger of the two men dropped what remained of his half on the ground and went off to a nearby stream to quench his thirst, but the older of the

two with a memory of his two-day hunger still upon him could not bring himself to throw away what was left of his half, and looking over his head saw a fork in the tree under which he had been eating, and leaping high he dropped the remaining meat in the forked branches and followed his companion to the stream.

As soon as he left the spot where he and his companion had fed, the hungry wolves rushed to the spot and quickly devoured the offal and the meat abandoned by the younger man, but leaping high in their efforts to reach the piece deposited in the fork of the tree by the older man they failed and soon abandoned their efforts.

After sleeping the two men began again their pursuit of game and their search for food. But they found it extremely scarce and the second day afterward they found themselves again oppressed with the pangs of hunger.

Then the older man remembering that he had deposited what was left of his half of the fawn in the fork of the tree, said: "Instead of hunting farther for fresh game I am going back to the food I left in the tree," and the younger man not knowing what else to do followed his elder. Hunger hurried their steps and it took but a day to get back to the spot from which they had spent two days in wandering.

Arriving there the older man found his meat safe in the tree and leaping up he seized it and proceeded to satisfy his ravenous hunger. The younger man demanded his share but the older man growled in reply that they had divided the fawn originally and that he had saved what was left of his half while the younger man had thrown away what was left of his.

The skill and strength of the older man made it unwise for the younger man to attack the older one as he felt

an instinct to do, and so he began to beg, saying to the older man, "Give me half of the meat that you have saved and when my hunger is satisfied and my strength renewed, I will go hunting and give you half of my next kill."

But the older man ate on until finding his own hunger satisfied and some meat still remaining, said to the younger man, "I will give you what is left here if you will give me half of your next kill even tho it be a grown deer or a buffalo." To this the hungry young man eagerly assented, whereupon the older man pushed over toward him the shoulder of the fawn with the meat remaining on it after he had fully satisfied his own appetite.

The saving of the uneaten portion of the fawn was the beginning of wealth and the use of it to save the starving young man, the beginning of capitalism, while the hunting of the younger hunter to repay the debt he owed to the older who had fed him when he was starving was the beginning of the wage system as it now prevails.

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 Farm Doings.....Harley Hatch
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 Medical Department.....Dr. C. B. Lerrigo
 Poultry.....I. B. Reed
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 80c an agate line. Circulation 120,000.

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JOHN W. WILKINSON and RAY YARNELL, Associate Editors
CHARLES E. SWEET, Advertising Manager

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 WE GUARANTEE that all display advertising in this issue is reliable, and should any subscriber suffer financial loss thru fraudulent dealing resulting from such advertising, we will make good such loss. We make this guaranty with the provisions that the transaction take place within one month from the date of this issue; that we are notified promptly, and that in writing the advertiser you state: "I saw your advertisement in Kansas Farmer and Mail and Breeze."

Passing Comment—By T. A. McNeal

ONE of the pioneers of summer fallowing in Western Kansas lives out in Rawlins county and his name is Payne. Many years ago he came to the conclusion that if the moisture could be conserved the uncertainty of crops in the western third of the state would largely be done away with.

He experimented with summer fallowing until he satisfied himself that it would conserve the moisture to a great extent. His faith in summer fallowing has made him rich but it has done more. Other settlers seeing the results of his experiments began to summer fallow until now the correctness of the method has been generally recognized.

That accounts for the fact at least in part, that Northwest Kansas has in recent years had few failures. I am not entirely certain but think that during the last year Cheyenne county, the most northwestern county in the state, has the highest average crop record.

I will not make this as a positive statement, but it certainly is one of the most prosperous counties in the state and some of the neighboring counties are also quite prosperous. I was given to understand when out there recently that summer fallowing is responsible for a considerable part of this prosperity in Western Kansas.

Too Much Bunc

DO YOU know," remarked a pessimist as he watched some sort of lodge parade, "that life is made up of at least two-thirds bunc? Now look at that bunch dressed in heavy uniform with long coats buttoned up to the chin and with heavy helmets on their heads. They are sweating like work horses, but my goodness how solemn and determined they do look. If you were to ask them just why they are parading in this military array and what it is all about they would be puzzled to find an intelligent answer.

"Most of them have spent much time and money getting ready to parade, that is if they hadn't gone thru all the flubdubbery they did they would not be entitled to wear this heavy and uncomfortable uniform and these helmets and swords and march down the street, but just why are they doing it? Just paying their devotions to the god of bunc, that is all."

"Granted," said the optimist, "that you are right, and I guess maybe you are, what of it? Suppose that you were to take all of what you call bunc out of the world and what a dull, dreary place it would be. Suppose that nobody ever spoke except when they have something really worth while to say, the world would be plunged into silence and men would forget the art of speech.

"David Harum was of the opinion that a certain number of fleas is good for a dog, because it makes him forget for the time being that he is a dog. When engaged in the pursuit of bunc men forget most of their other troubles and enjoy themselves. Of course all the ceremonials and rituals and solemn posings and uniforms and all that are mostly bunc but if the men who take up their time at that sort of thing didn't have it they would in all probability be doing something worse, or maybe sitting around on the street corner chewing the rag and abusing everybody who doesn't agree with them.

"I have come to the conclusion that bunc is necessary to society. Bunc is an illusion but if we were to give up all our illusions we would become so cynical and grouchy that there would be no living with us."

Wet and Dry

IT IS evident that the wet and dry issue is to enter into the coming election. The liquor interests are not particular about which party they support, and for that matter never were. At present they are supplying a list of the candidates in the various states which they advise the wets to support. In Missouri the wet forces are lined up behind Jim Reed and expect to re-elect him notwithstanding the fact that thousands of Democrats will not vote for him because of his opposition to President Wilson.

It is true however that Reed's chances for election are good notwithstanding this defection of

Democrats. St. Louis is normally Republican but it also strongly favors whisky. Reed hopes to swing the whisky Republicans to his support and counts on carrying St. Louis by not less than 25,000 majority. Kansas City has also been pretty wet and besides it is the home of Jim Reed and furthermore is naturally Democratic.

The wets do not as a rule come out openly and say that their real purpose is to repeal the 18th Amendment to the constitution. They say that what they wish is to permit the manufacture and sale of light wines and beer.

Possibly they can fool some good people with that plea.

There are many persons who are not intemperate who believe that it would be better if people

posed a tariff on foreign dyes, and the reason given was that this was necessary in order to build up the dye industry in this country. While there are no doubt many unjust tariff rates in the present tariff law, for the first time what seems to be an honest effort is made to take the question out of politics and leave the fixing and changing of rates to a scientific non-partisan commission. How this plan will work out in practice remains to be seen, but it is at least right in theory and if carried out in good faith will in my opinion be of great benefit to the country.

Of course there is a great deal of political hypocrisy in every campaign. The party that happens to be in power is charged with responsibility for a good many things for which it was not responsible. If for example there is a business depression no matter what may have been the primary causes for it, the party in power is charged with having caused it. One party is no fairer in this respect than the other. On the other hand if good times happen to come along with the advent of a change in political control of the country, the party coming into control takes all the credit for the improved economic conditions, altho as a matter of fact the political change had little or nothing to do with the change from hard times to prosperity.

Without a doubt the war period was one of outrageous extravagance and profiteering. The Democratic party was in power during that period hence the Republicans charge it to the account of the Democratic party. Possibly if the Republican party had been in power during that period the waste and extravagance would have been as great, but the Democrats have to shoulder the responsibility. If the Republican party had been in power and had made such a record for waste, rank extravagance and permission of outrageous profiteering it certainly would have been charged with the blame by every Democratic leader in the country.

The Republicans ask to be continued in power because of the record made by the present Congress for reduction of Government expenses and reduction of national taxes. They point to the fact that during the fiscal year beginning July 1, 1921 and ending June 30, 1922 the public debt was reduced approximately 1 billion dollars and at the same time appropriations were reduced approximately 1 billion dollars.

They point to the taxes which were generally considered vexatious, such as the tax on soda water, the tax on theater and movie tickets, the tax on chewing gum, the tax on patent medicines and various other articles sold in the drug stores, which have been abolished. They also call attention to the fact that the head of a family now has an exemption of \$2,500 free from income tax instead of \$2,000 as formerly.

They also point to the fact that including the reduction in the personnel of the Army and Navy more than 400,000 employes have been separated from the Government pay roll by the action of the Republican Congress. They also call attention to the fact that the Washington Peace Conference which made a good start toward world disarmament and an agreement between the four most powerful nations to settle their disputes without war was called by a Republican President and the resulting treaty ratified by a Republican Congress.

Defends the Ku Klux Klan

MY DISCUSSION of the Ku Klux Klan has brought me the following letter from a reader in Southeastern Kansas:

"For several years I have been a reader of the Kansas Farmer and Mail and Breeze, and never have failed to read all of your articles, and always thought them very good until within the last few months. Since then it seems to me that you have completely turned turtle. I even voted for you for governor in the primary in August, but after having read your articles since then I am really glad that you were defeated. While I do not agree with our nominee's views on the Industrial Court he undoubtedly has some fine ideas.

"Tom, are you still a Republican or have you become a Socialist, Catholic or what? You spend a great deal of time and space taking whacks at the Ku Klux Klan. Now, you admit that you do not know anything about the order inasmuch

We Build the Ladder

BY J. G. HOLLAND

HEAVEN is not reached at a single bound;
 But we build the ladder by which we rise
 From the lowly earth to the vaulted skies,
 And we mount to its summit, round by round.

I count this thing to be grandly true:
 That a noble deed is a step towards God—
 Lifting the soul from the common clod
 To a purer air and a broader view.

We rise by the things that are under feet;
 By what we have mastered of good and gain;
 By the pride deposed and the passion slain,
 And the vanquished ills that we hourly meet.

We hope, we aspire, we resolve, we trust,
 When the morning calls us to life and light,
 But our hearts grow weary, and ere the night,
 Our lives are trailing the sordid dust.

We hope, we resolve, we aspire, we pray,
 And we think that we mount the air on wings,
 Beyond the recall of sensual things,
 While our feet still cling to the heavy clay.

Wings for the angels, but feet for men!
 We may borrow the wings to find the way—
 We may hope, and resolve, and aspire, and pray
 But our feet must rise, or we fall again.

Only in dreams is a ladder thrown
 From the weary earth to sapphire walls;
 But the dreams depart, and the vision falls,
 And the sleeper wakes on his pillow of stone.

Heaven is not reached at a single bound;
 But we build the ladder by which we rise
 From the lowly earth to the vaulted skies,
 And we mount to its summit, round by round.

had the opportunity to buy light wines and beer. They say that moderate drinking of light wines and beer would not be harmful and would satisfy many persons who have been accustomed to these light drinks. While there is some force in this argument, if this policy were instituted it would result in the immediate annulment of the 18th Amendment. Saloons would open up all over the United States and all kinds of liquor would be served. The real question to be decided is whether national prohibition is to be abandoned.

The Issues of the Day

ONE of our subscribers, I. E. Bone, has just written me making the following request: "Will you be kind enough to enumerate and state briefly the issues to be voted on at the coming election? I would be glad to see comments on them in your next review."

To be perfectly frank, in my opinion there are no well defined issues to be voted on at the coming election. Perhaps the tariff enacted by the present Republican Congress comes as near being an issue as any but as a matter of fact both of the great political parties contain men of the most widely differing views on this question. There are many high tariff advocates in the Republican party, but there are fully as many who are opposed to high tariff duties.

On the other hand while perhaps a majority of the leaders of the Democratic party say that they are in favor of a tariff for revenue only, it was noticeable that when the Underwood tariff bill was under discussion Democratic members from districts which had interests which would be benefited by the imposition of a tariff were quite as anxious to obtain such protective duties as the Republicans.

It was a Democratic Congress which first pro-

as you are against it and therefore not a member of it.

"I contend that before a person is able to ridicule a certain thing he must first have a fairly good knowledge of that thing, of its construction, ideals, aims and working plans. Now since you know nothing about the Ku Klux Klan except what you have gathered from 'hearsay' and that coming from people that were probably less informed than you were, you are in no position to criticize.

"In your article issued September 2 you say that you do not believe the best people of Southern Kansas belong to the Ku Klux Klan. That shows lack of information again. But, that is to be expected of the people of Topeka. They, or I might say, the politicians of Topeka and the press have never missed an opportunity to lambast us people down here and give us a 'black eye' whenever possible. A person who did not know better would be made to believe that all people down here are a bunch of outlaws and wild men.

"Yet, we underwent one of the largest coal strikes in the history of the country, and while it is true that a few of the miners' wives did do a little marching, yet no one was injured, and there was nothing to compare with what happened in Virginia, Colorado or Illinois. And, by the way, the persons who did the marching were not members of the Ku Klux Klan for if they had been it would never have happened. Yet, people are led to believe that Southeastern Kansas is the worst part of the United States.

"We do have some undesirable people down here but they are not members of the Ku Klux Klan. The present Ku Klux Klan has been misjudged on account of the acts of the old order of Ku Klux Klan. The present Ku Klux Klan stands for 100 per cent American citizenship and complete obedience to our laws and undivided support to the United States of America and not the Pope of Rome. Now, Friend Tom, is there anything there that hurts your conscience? Why not come down and give Southeastern Kansas the once over, investigate our citizenship and Ku Klux Klan, meet some of its members and we believe that you will go back to Topeka with a better feeling in that big old heart of yours."

For the information of this reader I will say that I am about as far removed from the Catholic church as a man could well be. I come of Scotch-Irish ancestry perhaps the most intensely anti-Catholic people in the world. The old religious feud between the Scotch-Irish Presbyterians and the Catholics in Ireland is at the bottom of the troubles in that island. My private judgment is that one crowd is just as bigoted and intolerant as the other and I have little if any sympathy with the religious views of either.

Neither am I a Socialist, according to the Karl Marx standard. However, organized society is more or less socialistic and is becoming more so all the time. To declare that one is opposed to everything socialistic is to proclaim himself opposed to government and especially to our form of government.

Now the letter of this subscriber is of itself a condemnation of the Ku Klux Klan, altho the writer does not realize it. He virtually admits that it is anti-Catholic. Any order and more especially a secret order based on religious prejudice is a dangerous order.

Any secret order which undertakes to regulate the morals and conduct of citizens by masked and oath bound men, is a dangerous order and instead of being 100 per cent American, as the members of this order boast it is, it is un-American.

What does it call itself? "The invisible empire." Have we a piece in this Republic for empires invisible or otherwise?

The writer says the present Ku Klux Klan has been misjudged on account of the acts of the old order of the Ku Klux Klan. No doubt it is bearing some of the sins of that organization, but if it continues it will have plenty of its own to answer for. It will either go to pieces, cease to grow or it will become as oppressive and tyrannical as that famous order ever was.

If there is any prejudice against Southeastern Kansas I certainly do not share in it and did not suppose until I received this letter that the Ku Klux Klan had greater strength there than in some other parts of the state.

Farmers' Service Corner

READERS of Kansas Farmer and Mail and Breeze are invited to ask questions on legal problems or on any other matter on which they desire information. This service is free. The tremendous demand for this service makes it impossible for us to print all of the answers, but every inquiry will be answered by mail.

School Treasurers to Give Bond

If A is elected as treasurer of the district school, serves a term and is re-elected but does not give a bond as required, does he lay himself liable and can he be held responsible?

R. M. B.
Section 8952, Chapter 105 reads as follows: "Every person duly elected to the office of director, clerk or treasurer of any school district who shall refuse or neglect without sufficient cause to qualify within 20 days after his election or appointment, or who having entered upon the duties of his office shall neglect or refuse to perform any duty required of him by the provisions of this act, shall thereby forfeit his right to the office

to which he was elected or appointed, and the county superintendent shall thereupon appoint a suitable person in his stead."

Now the filing of a bond is one of the duties required of the district treasurer. If he fails to do this he forfeits his office and it would be the duty of the county superintendent to declare the office vacant, unless he immediately files a bond as required. There is no punishment provided for his failure to furnish this bond but he would be responsible for any moneys that might be in his hands.

Transportation for School Children

Is a school board compelled to furnish conveyance for pupils living 5 miles or more from school if demanded by the patrons of the district?

J. T. L.

Yes, transportation must be provided.

Husband's Interest in Wife's Estate

A and B are husband and wife. They never had any children. B dies. Would her husband fall heir to any of her parents' estate? He is married again.

J. H. R.

If B, the wife, died prior to the death of her parents, then A, the husband, would not inherit any part of the estate. If she died after her parents and had fallen heir to part of this estate, then her husband would inherit it.

About Collecting Wages

I am working for a company, or at least it represents itself to be a company, and have been working for it since May 18, 1922. They do not pay me. I have been to see the main man of the company three or four times and he puts me off. What should I do? Does a mortgage come before labor in Kansas?

R. K. F.

Wages and salaries are preferred debts. You have the right to collect from any property this company may have. It may be necessary for you to bring suit and attach the company's property.

Wife's Liability on Joint Notes

A and B are man and wife. A's stock is mortgaged to C. A's wife is on his note. A renewed the note but B did not sign with him on the renewal and did not take up the old note. Can C sue B on the original note?

C. D. J.

If B was merely a security on the original note and not one of the makers of it, she would have the right to be notified before the old note could be renewed. But if she was merely one of the makers of the note as was altogether probable, the signing of a new note by her husband would not release her from liability on the old note.

Homesteads in Colorado

Will you please tell me where to get information about homestead lands in Colorado, Utah and Wyoming, also where to get a list of available Government jobs?

F. E. R.

Write the United States Commissioner of the Land Office, Washington, D. C., for a list and description of lands still open to homestead. Write the United States Civil Service Commission, Washington, D. C., for Government positions included in civil service.

Liability on Lightning Rods

The agent of a company selling lightning rods put the rods on a house which has a metal roof. The agent fastened the rods on this roof, driving the fasteners thru the metal and making no provision for protecting this break in the metal from the weather. After the first rain storm it was discovered that the paper and plaster on the ceiling were damaged and ready to drop off on account of the rain coming thru these holes made in the roof. Can the owner have this repaired and keep money back for the same when the note on the rods comes due?

S. K. F.

He undoubtedly can unless the note has been sold to an innocent third party and in any event he has the right to an action for damages against the company which put up the lightning rods.

Settlement of Estate in Louisiana

1—How long after the death of a testator is given in the state of Louisiana to settle the estate? 2—If the heirs are not residents of the state would the state retain a part of the estate? If so, what per cent? 3—Is it easy or difficult to break a will in that state? 4—How can a clear title to land involved in that state be obtained? 5—Who is the right one to open and read the will and to whom is it to be read?

R. K. F.

1. I cannot find in the Louisiana statutes that there is any particular limitation made upon the settlement of any estate left by will. If the will itself provides for distribution of the estate, that of course would govern and the estate should be divided according to the directions of the will both as to time and amount.

2. I presume you refer to inheritance tax. The state of Louisiana has inheritance tax. In case of direct heirs the tax is 2½ per cent on amounts over \$10,000. In case of collateral heirs the tax is 5 per cent.

3. I do not know whether it is easy or difficult to break a will in Louisiana. It would depend I think very much on the temper of the court before whom the action is brought.

4. A clear title to land in Louisiana may be obtained very much as it is obtained in other states—either by getting deeds from all the heirs or persons interested in the estate, or by bringing an action in a court of competent jurisdiction to quiet the title in case the heirs cannot be found.

5. The will may be opened by the direction of the court where it is deposited, which corresponds to our probate court in this state and might be read either by the court having custody of it or by someone interested acting under its direction.

Coal Banditry is Going to End

From Senator Capper's Address at Fredonia, Kan.

GREED, overreaching greed, still is man's chief inhumanity to man. The profiteers know that honesty is the best policy, but nobody can make them believe it; nor that square dealing is good business. So they go on exploiting the consumer and committing slow suicide themselves, every chance they get.

Now we have the big operators and big jobbers in the coal business profiteering on a long suffering public. For some common grades of coal the retail price is a little less than last year, but mine prices generally have risen greatly. They have been increased from 33 per cent to nearly 100 per cent, depending on the grade. For most of the best grades of coal the retail price is somewhat higher than last year, but nowhere near as high relatively as the price the operators and jobbers are demanding from the retail dealer. In the Southwest, at least, retail dealers can show they are not profiteering.

In the East, especially in the cities, and probably in parts of the Northwest, the consumer is being unmercifully stung. With \$9.25 a ton as the maximum price fixed for anthracite at the mine, Governor Edwards of New Jersey, declares the independent anthracite operators of Pennsylvania are charging as much as \$6 a ton in excess of the maximum limit fixed by the State Fuel Commission.

In November of last year, Kansas coal dealers were asked \$3.25 a ton at the mine for Illinois coal for which the operators demand \$5.50.

In December of last year, the price of Southern Kansas lump at the mine was \$4.05. Today it is \$6.

The Pratt Equity Exchange is quoting the following prices to consumers at Pratt and its vicinity and giving figures to show where the money goes. Here are the figures:

NUT COAL

Kansas nut f. o. b. mine.....	\$6.00
Freight	2.43
Unloading to bin.....	.30
Delivery75
Total cost	\$9.38
Retail price	\$10.50

LUMP COAL

Kansas lump f. o. b. mine.....	\$6.50
Freight	3.04
Unloading and delivery.....	.95
Total cost.....	\$10.49
Retail price.....	\$11.50

The Pratt company is handling coal on a gross margin of \$2 a ton and no consumer should complain. This is a fair margin. But I understand some Western Kansas consumers are paying as high as \$12.50 a ton for soft coal.

Any consumer of coal may easily learn whether he is being unduly charged for coal after it leaves the mine. Let him take the cost at the mine, which in Kansas is \$6 to \$6.50 a ton. Let him add the freight to that and \$2, or not to exceed \$2.25, gross margin for the retailer, and he will have the correct retail price. An exception must be made for Leavenworth or Osage county coal, I understand, as there the cost of production is approximately \$1 a ton greater.

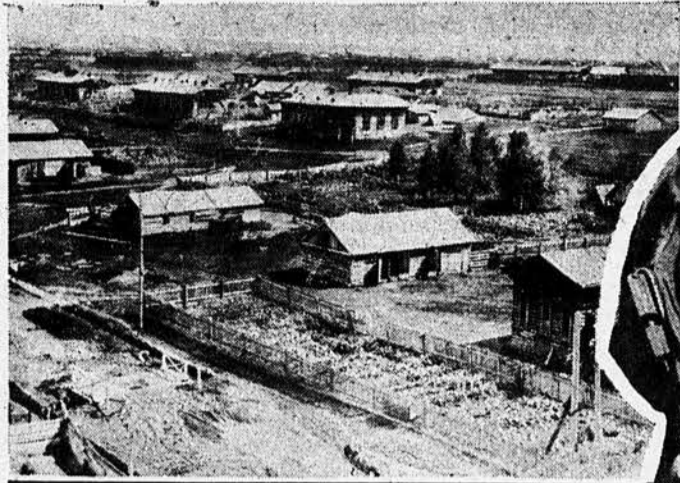
When we consider coal from the profiteering viewpoint, the railroads cannot be held guiltless of profiteering. Nearly one-third of the present cost of a ton of soft coal in lump size, goes to pay the freight alone. For delivering a carload of Kansas coal, a part of the way across the state, the railroads are now charging the consumer not only as much as the retailer does, who in most cases must handle the coal three times and stand all losses, but a dollar more on the ton. What the Kansas consumer of coal now pays the railroads for hauling a ton of lump coal from the Kansas mines to his home station, nearly equals the price he formerly paid for the coal itself.

The coal for which a Pratt consumer in 1913 paid \$4.75 a ton delivered, now costs him \$10.50, but of this, \$3.04 is for freight alone. In 1913 the freight on a ton of Southern Kansas nut or slack was 90 cents. Today it is from \$1.70 to \$2.43 and possibly more, depending on locality.

Congress and the President are now to go to the bottom of this iniquitous industry. A strong commission has been named and men appointed to it of unimpeachable integrity and standing such as John Hays Hammond, former Vice President Marshall, Judge Alschuler, George Otis Smith, chief of the U. S. Geological Survey, Clark Howell, Dr. E. T. Devine, and Charles P. Neill.

It is significant that President Harding has not named a single coal operator on this commission. That, I think, is eloquent of his opinion of the men now in control of the coal industry. Instead he selected a commission of eminent men, either experts, or solid and responsible representatives of the general public, and the country is going to know the truth about the coal business in due time and take measures accordingly. I am here to tell you that banditry in the coal business is going to end and the date is not very far distant.

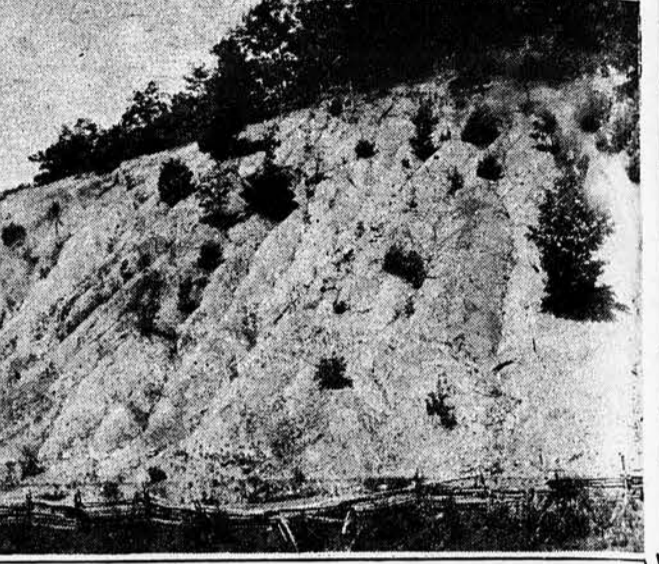
News of the World in Pictures



Living Quarters of Some of the American Radicals Colonized at Kemorovo, Russia. Note the New Little Garden in Front of Every One of the Houses



Pierre Key at the Right, Author of Biography of Enrico Caruso, Presents First Copy of the Work to Mrs. Caruso; Her Daughter, Gloria, is Holding the Book



An Eroded Slope in North Carolina; This Sight is Very Common in Sections Where Practically All of the Timber Has Been Removed



Alvin Mansfield Owsley, Recently Elected National Commander of the American Legion; He Succeeds Hanford MacNider and Lives in Denton, Tex.



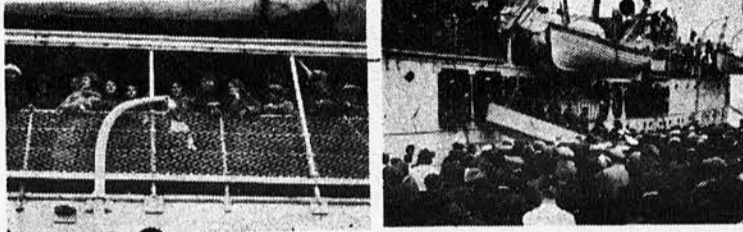
A Real Live Savage Photographed in the Jungles of Brazil About 2,300 Miles up the Amazon River; He was Hunting When This Picture was Snapped



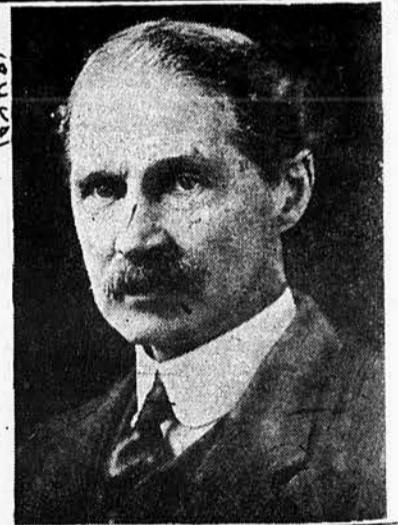
Prof. Jeremiah Whipple Jenks, Prominent Cornell Economist; He Has Spent Much Time Studying European Conditions and Says the Outlook is Improving



J. B. Bartholomew, the Newly Elected President of the National Association of Farm Equipment Manufacturers



Survivors of the Ill-Fated Steamer, "City of Honolulu," Reach Land; at Upper Left are Some of the Rescued Women at the Rail of the "Thomas"; View at Upper Right Shows Crowds at the Dock Greeting Friends; on the Left are Babies That Were Saved From the Wreck



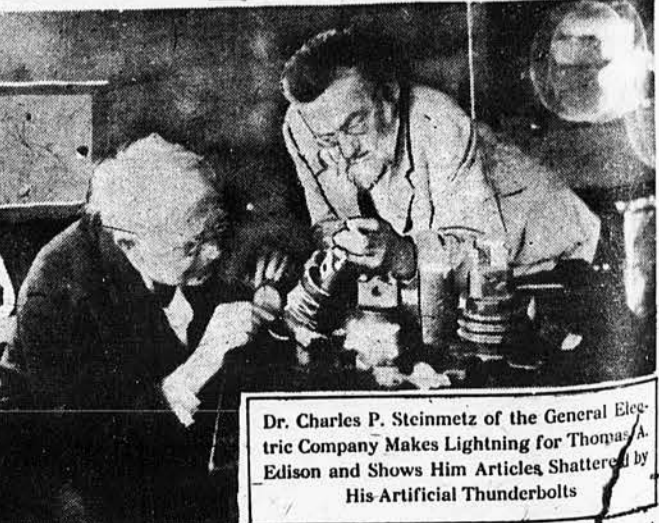
Andrew Bonar Law, Scotch Conservative Party Statesman, Whom King George Has Requested to Form a New Cabinet for Great Britain



Wilhelm Hohenzollern, Junior, Erstwhile German Crown Prince, Forging Horseshoes, His New Hobby



Gene Buck, Author of a Dozen Ziegfeld Follies Shows and 17 Midnight Frolics, is Shown Here with His Wife, His Son, Gene, Jr., and the Family Pet, an All-Black Police Dog; Mrs. Buck Formerly was the Leading Lady of the Montgomery and Stone Show for Eight Seasons



Dr. Charles P. Steinmetz of the General Electric Company Makes Lightning for Thomas A. Edison and Shows Him Articles Shattered by His Artificial Thunderbolts

Wheat Crazy, But Recovered

Morton Brothers of Decatur County are Getting Ahead Faster Since They Began To Diversify and Took Purebred Hogs and Cattle Into Partnership

By J. C. Burleton,

MORE than eight years ago Morton Brothers of Decatur county began growing Kansas Orange cane, a crop admirably suited to Western Kansas where rainfall is none too plentiful. They tried it out on all kinds of soil, good, bad and indifferent, and usually got a crop. On land that was too poor to grow anything else, Kansas Orange made good.

Cane is not a cash crop. To cash it Morton Brothers had to have livestock. As roughage for cattle, Vic Morton declares, Kansas Orange cane has been prolific of gains. Cattle like it so well that they clean up even the biggest stalks. There is practically no waste in feeding. For that reason the Mortons use corn for silage and feed the cane as it comes from the field.

Best results in the production of Kansas Orange cane have come when it was listed. This method of planting apparently enables the cane better to withstand dry, hot weather. When broadcasted it has not done so well.

Sudan Grass for Pasture

Morton urges thick planting. He uses a bushel of seed on 10 acres when listing and has gotten excellent crops. Sudan grass and Sweet clover are firmly established on this farm as pasture crops. Morton Brothers have been growing Sudan grass for five years, using it chiefly for pasture for hogs and calves. Experience indicates that Sudan grass will stand more pasturing than any other similar crop and that it will make about as good gains. It seems to be well adapted to this region, thriving under adverse conditions that frequently develop. Its value is increasing proportionately as livestock in the county multiplies.

On upland soil where it is difficult to grow alfalfa, Sudan grass serves as an excellent substitute as pasture for swine. It, however, is not a soil builder.

Sweet clover also is well adapted to this section. It grows rapidly and

also thrives under adverse conditions. It is necessary to begin pasturing this crop while the plants are small, for if this is not done they are likely to become too coarse and woody to be relished by livestock.

Sweet clover has an important advantage in that it is available for pasture about six weeks earlier than Sudan grass, Mr. Morton says. Also it improves the soil on which it is grown by storing up nitrogen. Usually the second year it is permitted to get rank and is then turned under as a green manure crop. The coarse, heavy stems and the big roots, assist in loosening up the soil and keeping it in good condition, in addition to releasing valuable elements thru decay.

Ordinarily Morton Brothers plant Sudan grass in May. This year one field was sown in April and a fair stand was obtained. It was slow in getting a start but it did not kill out and it was available as pasture several weeks earlier than usual.

Barley is crowding wheat on this farm to some extent. Vic Morton, a member of the partnership, says more money can be made out of barley yield-

ing 30 bushels an acre than out of wheat making 15 bushels. Soaked barley is fed to hogs by many farmers.

"A few years ago we were all wheat crazy," said Vic Morton, "and planted big acreages. We thought we would get rich in a hurry-but we didn't. Now that we have learned better, and are beginning to diversify and grow livestock we are getting ahead faster. We have got to get away from the one crop idea or even the two crop idea, if we are to get ahead, and we must have livestock to help us. This system of farming is getting converts every year and eventually it will be the accepted thing in this section. We have made rapid progress along this line in the last three years."

Morton Brothers now grow about 160 acres of wheat a year; 100 acres of corn, from 80 to 100 acres of barley, 60 acres of cane and 15 acres of kafir. In addition to 160 acres of grass land, both Sudan grass and Sweet clover pastures are maintained. The farm contains 500 acres.

Wheat ground is listed and the ridges thrown in with a weed cutter. Before drilling the field often is harrowed.



Morton Brothers Have Grown Sudan Grass for Five Years, Chiefly as a Pasture Crop, and Have Found That It Pays Well

Vic Morton says it would pay farmers to pack wheat ground before planting as he is convinced that better yields would result.

Wheat and corn are rotated. Half the corn ground is planted to wheat and half of the wheat stubble ground goes into corn, every year. Very satisfactory results have been obtained under this system, Mr. Morton declares.

There are three pit silos on this farm, holding from 60 to 70 tons apiece. They were built in 1917. About \$40 worth of cement was required to plaster a pit and construct the 6-foot wall around the top.

Uses Corn for Silage

Corn is used for silage. Morton Brothers usually snap out part of the corn when the yield is good before cutting it for silage. It is harvested green so it is unnecessary to use water when it is put in the pits.

Wheat straw is scattered on the land and all manure produced is put on bottom soil.

Morton Brothers, V. J. and L. E., and their father, D. W. Morton, are livestock farmers. D. W. Morton has been raising Shorthorns for 15 years. Three years ago his sons went into partnership with him and are developing a breeding herd. They now have 30 head of registered cattle, including 16 breeding cows.

They are also building up a herd of purebred Chester White hogs. This year they have about 265 head, including 25 brood sows, 200 spring pigs and 40 June pigs. A start was made with registered swine two years ago.

V. J. Morton is very optimistic in regard to the hog business.

"I look for a big demand for breeding hogs this fall," he said. "The prospects for a big corn crop are excellent which will make feed abundant. I expect a good market for bred sows, as they probably will be scarce, and there will also be a good market for stock hogs. Interest in purebred livestock of all kinds is keen in this section."

A Fire Changed McDaniels's Mind

Now the Family is Making Good With Hogs, Cows, Chickens and Safe Crops and is Getting Maximum Satisfaction From Country Life

By Earle H. Whitman

EVERYTHING seemed to be going well with J. M. McDaniels. Business was good at his store, and there was no cloud to be seen in his financial sky. One night the fire alarm sounded and when the excitement was over the McDaniels store and stock of goods, representing practically his entire capital, were in ruins. Then it was that the minds of Mr. and Mrs. McDaniels turned to the farm, and they came back to Cloud county, where both had been born and reared.

Hard Work Tells the Story

Opportunity came in the shape of a 320-acre farm—not very fertile upland, to be sure—on which a long-term lease could be obtained. Mr. McDaniels realized the advantage of getting settled on a place for longer than the usual one-year rental, and the deal was closed. Now he and his family are putting in untiring efforts and getting results that are worth while.

One of the first problems on the farm was getting rid of cockleburrs. Just plain hard work—cultivation, hoeing and in the worst places plowing spring and fall—have won. A system of crop rotation is being worked out and all available manure is being put where it will do the most good. An interesting example of what may be accomplished by proper application of manure is cited by Mr. McDaniels.

"See that small patch of ground out there?" he asked. "That was in rye two years ago and I plowed it and sowed Sudan grass in the spring. I got one load of hay from it. A year

ago last spring I covered the patch with manure and again planted Sudan grass, getting a little more than a load when I harvested the crop. This last spring another application of manure was made. When I came to plant I had a small quantity of cane in the drill, so I put that in. Then I used up a like amount of kafir, and finished up in the center with millet."

Joe McDaniels, the boy of the family, has been a member of the Capper Pig Club for three years, starting in 1919 with a \$50 Duroc Jersey sow. During the last part of August this year he had more than 50 head of hogs, and fall litters still to be farrowed. All but three of the hogs on hand were direct descendants of his first club sow. Every year the hogs have given him a nice profit. Joe isn't just counting time until he can leave the farm

to get a job in town. Instead, he is going to take the vocational agriculture work in the Beloit High School this winter and prepare himself for better success on the farm.

Hog raising ability isn't limited to Joe and his father. Neva, the oldest of Mr. and Mrs. McDaniels's three girls, has a direct interest in the business. At a February Poland China sale in 1921 she bought a sow for \$126. Last spring it was decided in family council that keeping both Polands and Durocs on the same farm was not practicable, so Neva sold her blacks. After the purchase price and all expenses were deducted, her profit for the year from the two litters raised was more than \$300. Now she has a half interest in all of Joe's Durocs.

The value of dairying is appreciated by Mr. McDaniels. He hasn't an ela-

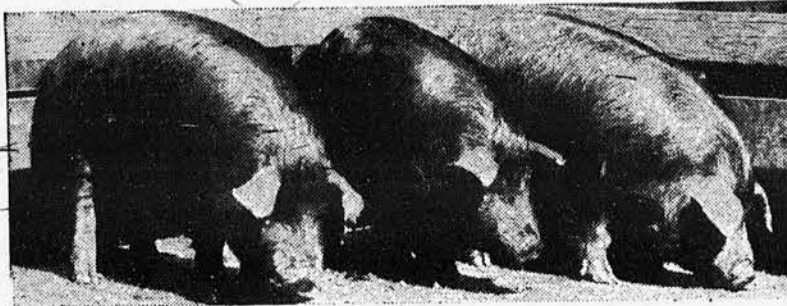
borate barn, but it is well arranged to take care of the 10 head of cows he now is milking. Most of the cows of the herd are high grade Holsteins—sixty-three-sixty-fourths, in fact—and Mr. McDaniels plans to have only Holsteins as soon as he can work out the other cows he has. A registered Holstein bull heads the herd. The heifer calves are saved to build up the herd, but the method of handling bull calves depends on conditions. Mr. McDaniels usually plans to get them on grain feed as early as possible, crowd them rapidly, and sell them at the first opportunity when the markets are favorable and good profits are assured.

Kafir His Main Feed

Mr. McDaniels firmly believes that too much wheat is the bane of agriculture in his section of the country. Kafir is his feed standby, although a good deal of corn is planted. He has made a specialty of kafir and has spent much time and study in finding the best methods of handling the crop.

After much experimenting, he believes that on the average a thick stand will make the most feed. "Thin kafir makes big heads and thick stalks, and when fed to livestock much of the stalk is wasted," declares Mr. McDaniels. "A thick stand means somewhat smaller heads, but more of them, and the stalks are so fine that practically everything is cleaned up at feeding time."

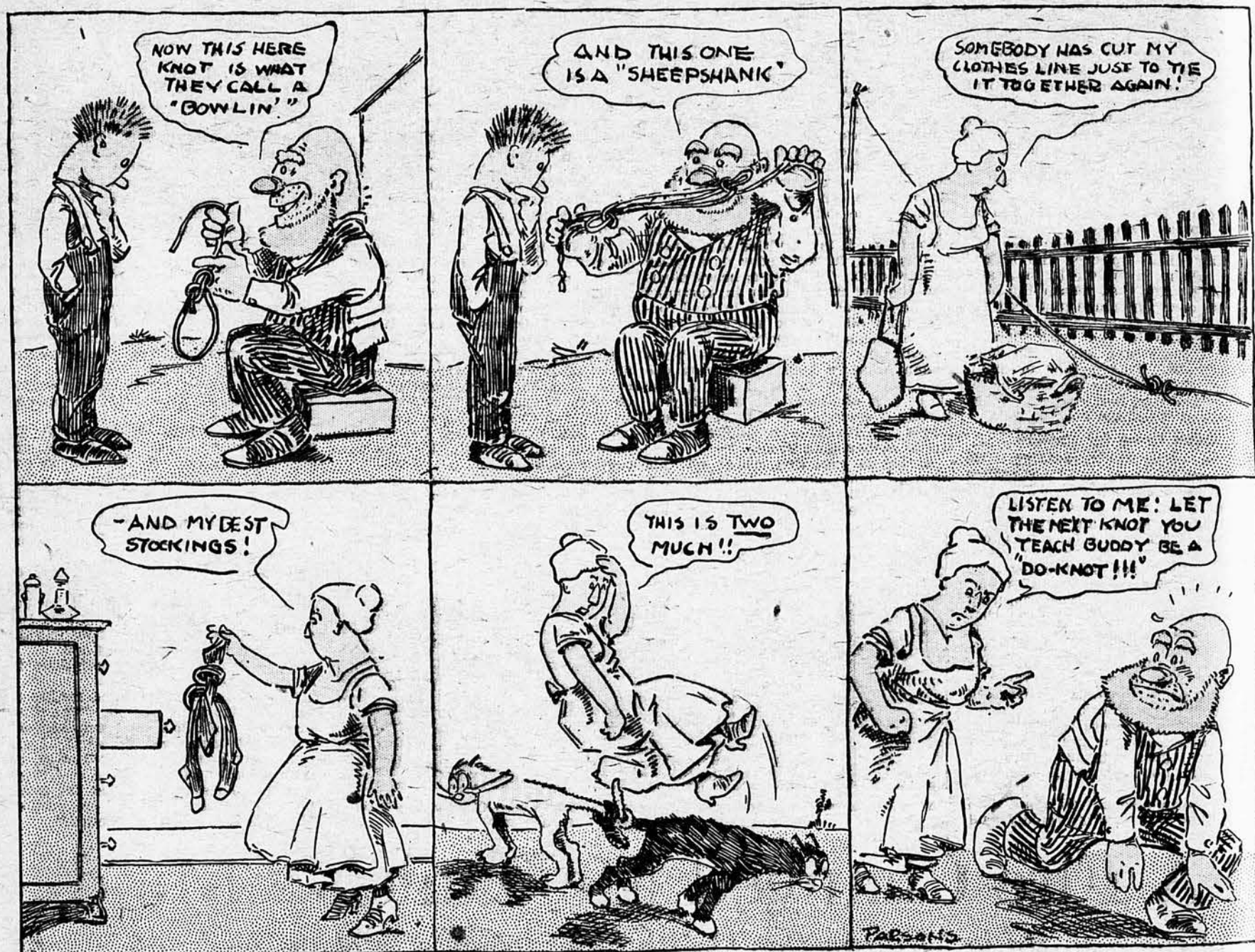
Because they believe in giving attention to every line that promises a profit, the McDaniels have a good flock of chickens, which add many a dollar to the year's final income.



Purebred Duroc Jerseys are Proving Profitable as "Middleman" in Selling Crops for G. M. McDaniels, and Their Feed is the Only Service Charge

The Adventures of the Hoovers

Handsome Harry Gives Buddy a Few Lessons in Tying Simple Knots, But Mrs. Hoover Suggested One That Did Not Prove Quite So Simple



The Wreckers—By Francis Lynde

HAVING completed the construction of the Oregon Midland Railroad, Graham Norcross and his secretary, Jimmie Dodds, start on a journey to Montreal, Canada. At Widner, Idaho, the train is delayed considerably and Norcross converts his Pullman berth into a business office. While busy with his papers and correspondence, Norcross becomes interested in the occupants of Section 5, a Mrs. Sheila Macrae and a young girl, Maisie Ann, her cousin.

Later in the day the two ladies with Mr. Norcross and his secretary Jimmie Dodds leave the train for a moment while the engine is taking water at a tank station. Before they realized what was happening the train started and all were left. After being marooned for an hour they were picked up by another train and taken to Portal City. At that place an important conference was held. John Chadwick, the Chicago wheat king, induced Norcross to accept the position of general manager of a railroad known as the Pioneer Short System.

Norcross immediately begins to purge the railroad system of its rotten management by discharging a host of useless employes.

This made many enemies for Norcross and led him into many difficulties. In the midst of these troubles Norcross suddenly disappears. Papers found in his desk seem to indicate that he had quit and gone away, but foul play was suspected. At the same time Jimmie Dodds, his secretary, has a

A Story of How Graham Norcross Developed the Pioneer Short Line Into an Honest and Efficient Railroad

(Copyright, Charles Scribner's Sons)

serious accident and is sent to the hospital. In the meantime a detective is employed who found out nothing worth speaking of. In a few days Jimmie Dodds recovered and joined in the search for his boss.

When it was discovered that one of the railroad's locomotives was missing, Jimmie and his friends concluded that Norcross had been kidnaped and was being held in captivity somewhere by his enemies for their own benefit.

News of Old 1016

I pretty nearly had him over the edge, but I couldn't push him the rest of the way to save my life.

"If there was the least little scrap-a reason even to imagine that Mr. Norcross had gone off on that stolen eight-wheeler, it would be different, Jimmie," he protested. "But there ain't; and you know doggone well there ain't. Let's go up-town and hunt up something to eat. You'll feel a heap clearer in your mind when you get a good square meal inside o' your clothes."

We left the shop offices together, and got shut out, crossing the yard, by a freight that was pulling in from the West. There was a yard crew shifting

on the other side of the incoming train, and rather than wait for the double obstruction to clear itself, we walked down the shop track, meaning to go around the lower end of things.

This detour took us past the round-house, and when we reached the turntable lead, the engine of the just arrived freight came backing down the skip-track. Seeing Kirgan, the engineer swung down from the step at the lead switch, leaving the hostler to "spot" the engine on the table. I knew the engineer by sight. His name was Gorcher, and he was a reformed 'cow-punch'—with a record for getting out of more tight places with a heavy train than any other man on the division.

"Here's lookin' at you, Mr. Kirgan," he said, with a sort of Happy Hooligan grin on his smutty face. "You been passin' the word, quiet, among the boys to keep an eye out f'r that Atlantic-type that got lost in the shuffle, ain't you? Well, I found her."

"What's that—where?" snapped Kirgan, in a tone that made a noise like the pop of a whip-lash.

"You know that old gravel pit that digs into the hill west of the old 'Y'

on the Timber Mountain grade? Well, she's there; plumb at the far end o' that gravel track, cold and dead."

"When did you see her?"
"Just now—comin' in. We had to cut and double, comin' up Timber Mountain hill. 'Stead o' pullin' all the way up to the 'Y' and losin' more time, I doubled in on that old gravel track. There she was, as big as a house."

"Crippled?" Kirgan rapped out.
"Not as we could see; just dead. She's got her nose shoved a piece into the gravel bank, but she ain't off the rail."

Kirgan nodded. "That counts one for you, Billy. Who else saw her?"
"Nobody but the boys on our train, I reckon."

"All right. Don't spread it. And get hold of the others and tell 'em not to spread it. Want to make a little overtime?"

"I ain't kickin' none."
"That's business. After you've had your supper, call up your fireman and report to me here at the round-house. We'll take a light engine and go down along and get that runaway."

This seemed to settle Kirgan's half of the puzzle. We hadn't taken the gravel track into our calculations simply because it wasn't marked on the map we had been studying; but that merely meant that the pit had been opened some time after the map had been made.

When Gorcher had gone into the

round-house to wash up and tell his fireman to report back, Kirgan and I crossed the yard and headed for town. I left the master-mechanic at the door of a Greek eat-shop that he patronized and went on up to the Bullard. There had been nothing more said about connecting the boss's disappearance with that of the stolen engine, and the idea seemed too ridiculous to hold on to, anyway. Mr. Norcross had said, in the letter to Mrs. Van Britt, that he was going to quit; and, so far as we knew—or didn't know, rather—he had done it and had taken his grips and gone to the midnight Mail.

Against this, of course, there was the Mail conductor's positive assertion that he hadn't carried the boss. But conductors are no more infallible than other people, and once in a blue moon in going thru a train they miss a passenger. I remembered the one thing that might have made the boss desperate. If somebody had slammed the Mrs. Sheila story at him there was reason enough for a blow-up.

Telegram From Mr. Chadwick

I was just getting around to my piece of canned pumpkin pie—which wasn't half as good as the kind Maisie Ann fed me out at the major's—when the kid from the dispatcher's office came into the grillroom, stretching his neck as if he were looking for somebody. When he got his eye on me he came across to my corner and handed me a telegram. It was from Mr. Chadwick, under a Chicago (date line, and was addressed "To the General Manager's Office," just like that. There were only nine words in it, but they were all strictly to the point: "What's gone wrong? Where is Mr. Norcross? Answer quick."

I saw in half a second at least a part of what had happened. Mr. Chadwick was back from his Canadian trip, and somebody—the New York people, perhaps—had wired him that a new general manager had been appointed for Pioneer Short Line. The old wheat king's quick shot at our office showed that he wasn't in the plot, and that, whatever else had become of him, Mr. Norcross hadn't as yet turned up in Chicago!

Go! but that brought on more thought—a whaling lot of it. I meant to find out, right away, if Mr. Van Britt had come back from the Cross Creek wreck. He was the man to answer Mr. Chadwick's wire. But an interruption butted in suddenly, just as I was signing the dinner check: The head waiter, who knew me from having seen me so often with the boss, came over to say that I was wanted at the telephone.

It was Mrs. Sheila on the wife and I could tell by the way her voice sounded that she was mightily excited.

"I've been calling you on every 'phone I could think of," was the way she began; and then: "Where is Mr. Van Britt?"

I told her about the wreck, and I was afraid he hadn't got back yet. "I heard something that sounded like a muffled and half-impatient, 'Oh, dear!'" and then she went on. "I have just had a phone message from Mr. Cantrell, the editor of the Mountaineer. He called the house to try to find Major Kendrick. He has heard something which may explain about Mr. Norcross. He said he didn't want to put it on the wire."

That was enough for me. "I'll go

right over to the Mountaineer office," I told her; and in just about two shakes of a dead lamb's tail, I was standing at Mr. Cantrell's elbow in his little den on the third floor of the newspaper building across the Avenue.

"Mrs. Macrae telephoned you?" he asked, pushing his bunch of copy paper aside.

"Yes; just a minute ago."

Branderby Had a Clue

"I'll give you what I have, and you may do what you please with it. One of our young men—Branderby—has a clue; a very slight one. He has discovered—in some way that he didn't care to explain over the 'phone—that there was a plot of some kind concocted in the back room of a dive on lower Nevada Avenue on the night Mr. Norcross disappeared. From what Branderby says, I take it that the plot was overheard, in part, at least, by some habitue of the place who was too drunk to get it entirely straight and intelligible. The plotters were four of Clananhan's men, and, as Branderby got it, they were planning to steal a locomotive. Do you know anything about that?"

"I do. The engine was stolen all right, that very night. Kirgan, our master-mechanic, has known it was gone, but he has been keeping quiet in hopes he'd be able to find the engine without making any public stir about it."

"The story, as it has been handed on to Branderby, is pretty badly muddled," the editor went on. "There was something in it about an attempt to wreck and rob the Fast Mail, and something else about sending a note to somebody at the Bullard—a note that 'would do the business,' was the way it was put."

"That note was sent to Mr. Norcross!" I broke in excitedly, taking a running jump at the guess.

"If you will wait until Branderby comes in, he may be able to give you more of the particulars," Cantrell was beginning to say; but good gosh!—I couldn't wait. I was scared stiff for fear I shouldn't be able to get to the round-house before Kirgan started out on that engine-rescuing trip.

"That's enough," I gasped; "I'm gone!" and I tumbled down the two flights of stairs and sprinted for the railroad yard, reaching the round-house not one half-second too soon. Kirgan was there, with Gorcher and two firemen. They had a light engine out on the track and were filling her with water.

It was Kirgan himself who gave me a hand up the steps to the high foot-plate. Gorcher was oiling around and the two firemen were up on the tender.

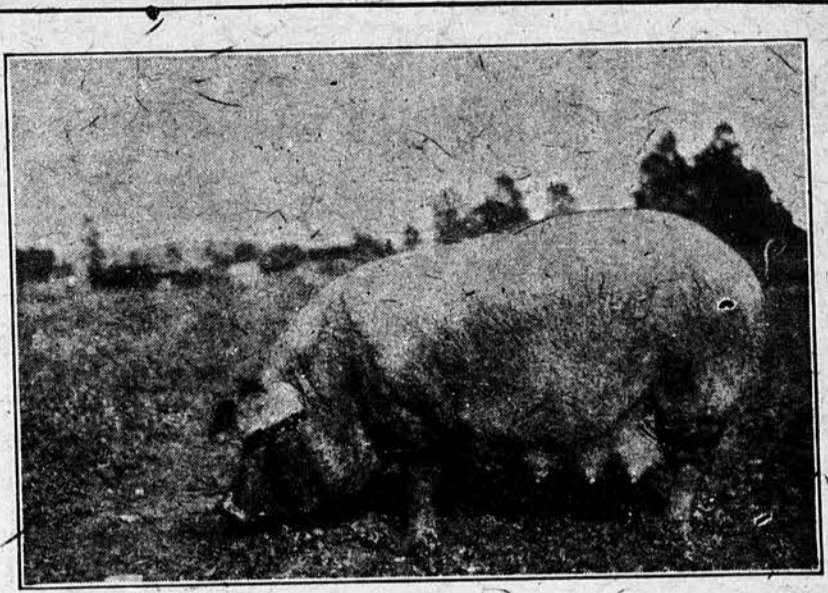
"They took Mr. Norcross with them on the Ten-Sixteen!" was all I could say and then I guess my late electric knock-out got in its work to pay for the quick sprint down from the newspaper office, for I keeled over into Kirgan's arms and sort of half fainted, it seemed.

A Close Call

Because, when I came to, right good again, Kirgan had me up on the fireman's box, with an arm around me to hold me there; Billy Gorcher was on the other side of the cab, niggling at the throttle; and the light engine was clicking it off about fifty miles an hour on the straight piece of track between Portal City and Arroyo.

Billy Gorcher did some swift wheel-

(Continued on Page 13)

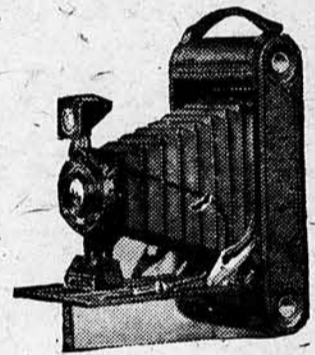


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Amount of Water in Concrete

BY FRANK A. MECKEL

THE correct ratio between the water and cement content of concrete is a most important item inasmuch as it determines the maximum strength of the concrete. A knowledge of how to determine this ratio is a matter of importance to anyone contemplating any concrete construction. The determination may be made thru what is known as a slump test.

For making this test it is only necessary to have a metal mold shaped after the frustum of a cone 4 inches in diameter at the top, 8 inches at the bottom and 12 inches high. Concrete is mixed thoroly and placed in this mold in three or four successive layers, every layer being carefully rammed with a blunt iron rod. The metal mold is then carefully lifted off the concrete. The slump or reduction in vertical height of the pile of concrete which results is an indication of the consistency of the mixture.

A normal mixture which has a maximum strength will slump about 1 inch. A mixture with 10 per cent less water will slump only about 1/2 inch and the decrease in strength of the concrete will be 30 per cent. If the water is increased 10 per cent above the normal mixture, the slump will increase to about 3 inches and the strength of the concrete decreased at least 15 per cent.

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Middle West Plains News

BY SAMUEL H. BROWNING

THE farmers of Colorado", says H. H. Smith of the Colorado State Agricultural College, "lose several million dollars every year by failing to make the meat that is actually used on the farm. Considering that the meat from five hogs on an average is consumed by every family in Colorado, it would mean the slaughtering each year in Colorado of approximately 1 million hogs. The Year Book of Colorado, shows that in 1921 only 67,302 hogs were actually slaughtered in Colorado. Where did the rest of the state's meat come from? We bought it from other states, possibly made from hogs which were raised in the corn belt states, or from hogs shipped out of Colorado."

Farmer Develops New Melon

Bert Gulett, a farmer living near Fort Collins, Colo., has qualified as a Larimer county Luther Burbank by developing a new muskmelon which he has named the Colorado Queen. The new melon is the product of seven years of experimenting, Mr. Gulett says.

He crossed the Honeydew with a small Polish melon, then crossed this product with the Greeley melon, and now, he says, the new product is growing true to type.

Colorado Cabbage Season Late

The cabbage season in Colorado has been much later than the 1921 season. To September 30 last year about 1,800 cars of the total seasonal movement of 2,550 cars had been shipped, whereas this year the shipments to the end of September had filled only 900 cars.

Big Yields From Summer Fallowing

A field of wheat on the farm of J. B. Jones of Cimarron, Kan., made 37 bushels to the acre when the rest of the land on the south side of the Arkansas in Gray county made about 12 bushels.

Mr. Jones lets the land lie idle one year in every four years, then plows it twice and disks or harrows it frequently to keep down the weeds and conserve the moisture, and finally sows it to wheat. He usually raises

a good crop and the stubble will be quite free from weeds so the next year he drills in the stubble without plowing. The next year he double disks and harrows and sows and the fourth year summer fallows again.

Gray county lies in the belt that gets less than 10 inches of rainfall in a year.

Wheat Variety Test

Wilbur White of Garfield conducted a variety test of wheat this year and the results are quite interesting. Black-bull leads the list in yield with 57.2 bushels to the acre. Kanred is next with 47.7 bushels, Kharkof is third with 45.9 bushels, and Turkey is last with 41.5 bushels. Mr. White is conducting another test this year and farmers near his farm should make a visit to these plots from time to time and note for themselves the growth and success of each variety.

Need to Store Moisture

This has been a very dry year for much of Colorado's irrigated and dry land region. It has been, therefore, a very good year to test out methods of growing crops, especially on dry land. The summer has shown conclusively that some form of efficient summer tillage to keep down undesired weed growth and also to accumulate more than one summer's moisture is essential to wheat production in Colorado.

Harvey County Poultry Show

The second annual poultry show and sale for Harvey county will be held December 9. The rules will be similar to last year. Parties having surplus cockerels may bring them to the Newton auditorium and trade or sell them up to 2 o'clock. At that time an auction will be held and the balance sold to the highest bidder. Only purebred birds may be offered.

In connection with the sale a show will be held. No cash prizes will be given and there will be no charges for entrance. Each exhibitor is required to furnish his own coops which should be not less than 24 inches high and easily opened.

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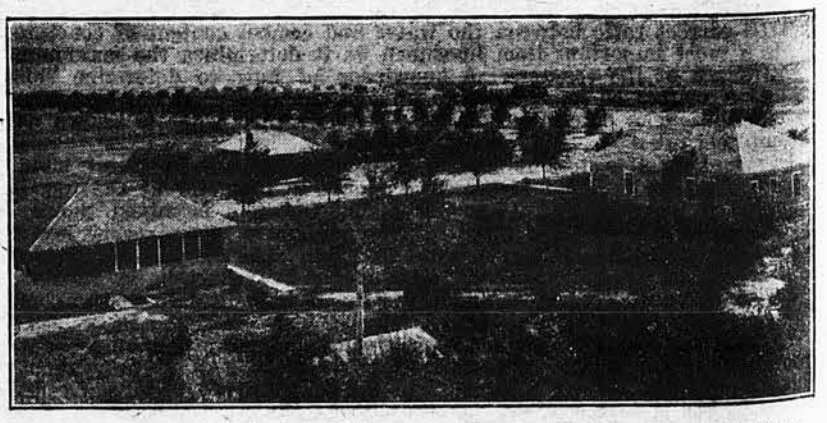
FREE WOOD SAWING ENCYCLOPEDIA

Beauty on the Uplands

THE Garden City Experiment Station is becoming a place of real beauty. Up on the high, dry uplands above Garden City, principles of soil management and irrigation farming are being worked out under F. A. Wagner, the superintendent, which will do much in the coming years to develop a more prosperous type of agriculture in Western Kansas.

There are trees, flowers, good lawns and real crops of truck. This shows what can be done by the intelligent use of water which the windmill will provide on almost all farms in that section. Crops are grown under both dry land and irrigation. The success with winter irrigation on the rather tight soil of which this place is composed has been especially noteworthy.

The station is getting into livestock farming more and more, especially dairying. Mr. Wagner believes there is a need for a tremendous development in livestock farming in Western Kansas. Especially good results have been obtained under dry land farming from Yellow Milo, Dawn and Sunrise kafir and Kansas Orange and Sumac sorghum. Feterita also has done well. The station people are of the opinion that much of the sorghum planted in Western Kansas has been sown too early; they recommend planting the last week in May or the first week in June, depending on the soil conditions. Their experience also indicates that more cultivation than ordinarily is given the sorghums in Western Kansas will pay well in increased yields.



A View of Part of the Grounds of the Garden City Station; This Has Become a Real Beauty Spot, With Trees, Grass and Flowers

Farm Organization Notes

BY RURAL CORRESPONDENTS

KANSAS has been divided into four sections for administrative purposes by the extension department of the Kansas State Agricultural College. A county-agent leader has been placed over every district to have jurisdiction over all the activities of the agents under him.

Leaders of the four districts, together with the number of counties under each, are as follows:

Northeast district, Karl Knaus, 17 counties.

Southeast district, George Salisbury, 18 counties.

Southwest district, A. L. Clapp, 14 counties.

Northwest district, F. W. Dawley, 11 counties.

Each leader will have general supervision of the work of the county agents in his district. He will look after all phases of work, such as finance, county agents, project reports and general policies and relation of specialists.

Farmers Demand Reduced Taxes

National and state financial legislation is likely to be one of the important subjects for deliberation at the coming annual session of the National Grange at Wichita, Kan., on November 15. A definite demand is likely to be made that state and federal tax budgets must be cut down to the farmers' ability to pay.

Some crystallization of sentiment on rural credit legislation is also expected at this, the most representative meeting of the year of American farmers. It is hardly likely that any rural credit plan will meet the approval of this organization which involves any increased use of tax-raised funds.

Central Kansas Stock Association

The Central Kansas Purebred Livestock Association has been organized in the several counties in the central part of the state. The organization was formed at Lincoln Center.

The organization will promote the livestock interests of that part of the state and spread the gospel of purebred sires and better livestock by educational plans, combination sales and other methods. The officers elected are all Lincoln county men and are as follows: Ed Larsen, president; O. M. Wright, vice president; C. A. Newell, secretary; H. Blase, treasurer.

Big Grange Excursion Planned

A big excursion is being organized by New England Grangers to attend the annual session of the National Grange, which is to be held at Wichita, Kan., November 15.

The excursion train will start from Boston, stopping at other New England points, New York, Philadelphia and Washington, and is expected to go west over the Chesapeake & Ohio thru Virginia, West Virginia and Ohio. Hundreds of Eastern members of the Grange are planning to attend the National Grange sessions.

New Honors for Aggie Man

Prof. L. E. Payne of the Kansas State Agricultural College department of poultry husbandry was elected unanimously as secretary and treasurer of the American Association of Instructors and Investigators of Poultry Husbandry at a recent meeting of the directors. The vacancy of this office was caused by the resignation of Dr. O. B. Kent of Cornell University, who recently left that institution to enter commercial work.

Nation's Fruit Men Organize

The Federated Fruit Growers was organized recently in Chicago by representatives of the co-operative fruit growers' organizations thruout the country in order to standardize fruit grades, improve the product and promote co-operative marketing so that the producers and the consumers, instead of the middlemen, will get the benefit of the fruit industry.

The formation of the Federated Fruit Growers is the outcome of the work of the Producers' National Fruit Marketing Committee, appointed sev-

eral months ago to investigate the problem of marketing the Nation's fruit crops. After detailed study of all available methods, it was unanimously decided that co-operative marketing was the only plan which would adequately protect both the farmer-producer and the consuming public.

Club Roundup in April

It is announced that the boys' and girls' club roundup week, which was to have been held at Manhattan, November 20-25, has been postponed until next April. Tentative dates have been set for April 23-28.

The November dates conflicted with the American Royal Livestock Show at Kansas City, Mo., according to R. W. Morrish, state club leader.

Wheat Growers' Association Busy

W. H. McGreevy, secretary of the National Wheat Growers' Association, reports that an aggressive campaign is being carried on to further the work of the association. Farmers everywhere, according to Mr. McGreevy,

feel that there is only one way for the grower to get a fair deal and that is by organizing and forming a great association which will control the wheat of all of the growers.

The present officers of the Wheat Growers' Association are as follows: W. F. McMichael, president, Cunningham, Kan.; Judge L. Gough, vice president, Hereford, Tex.; W. H. McGreevy, secretary-treasurer, Carmen, Okla., and Wichita, Kan.; and A. Slaughter organizer, Wakita, Okla.

Osage Organizes Holstein Club

The Osage County Holstein Association is planning to sponsor a Holstein heifer club, according to Louis H. Rochford, county agent. By means of such a club they hope to encourage the younger generation in getting a start in the dairy business. Osage county has a live Holstein Association which is making an effort to put Osage in the front rank as a dairy county.

Colorado Equity Exchange

During the year the Equity Exchange at Burlington, Colo., made an enviable record. The Burlington Equity has \$1,500 invested in the Equity Union Grain Company, \$1,000 invested in the Limon creamery, \$1,000 invested in the Jewel coal mine and \$300 in the Denver Equity.

There is no question about the loyalty of the Burlington exchange when

it comes to centralized buying and selling. These heavy investment accounts show that the directors and members are heartily in favor of centralized co-operation.

The Burlington Equity has a splendid place of business and is handling grain, implements, flour, coal and other lines of merchandise.

Elmo Farmers' Union

The Farmers' Union members at Elmo, Kan., have started a very interesting and instructive method of entertainment for the winter. They have a home lecture course. It will be composed of 10 numbers and according to the way the people at Elmo do things it is sure to be a success.

Grain Selling Agency Formed

Incorporation of the U. S. Grain Growers' Sales Company of Minneapolis, to handle grain for farmers of Minnesota, North and South Dakota and Montana, particularly those who have signed U. S. Grain Grower contracts, was announced at St. Paul recently.

Articles of incorporation give the company's capital stock at \$25,000, fully paid up. The U. S. Grain Growers, Inc., will hold a majority of the stock. The Grain Growers' members will control thru a board to be selected by them.



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Letters Fresh From the Field

THE Kansas Farmer and Mail and Breeze desires to have all of its readers make free use of this page to discuss any matter of general interest to farmers. Letters concerning work in dairying, raising and marketing poultry, feeding cattle and hogs, improvement of rural schools, the need of tax reforms, and other similar subjects are desired. Address all communications intended for this purpose to John W. Wilkinson, Farm Letter Department, Kansas Farmer and Mail and Breeze, Topeka, Kan.

Good Fruit in Colorado

The valley in which Palisade is located is small. It is nearly 3 miles wide and is almost one continuous orchard to Grand Junction 14 miles distant. The east end at Palisade is mostly in Elberta peaches, while the west end near Grand Junction is mostly in apples and pears.

Strictly speaking, this is a fruit country. While we grow alfalfa to a certain extent, fruit is our main crop and while we were hard hit by the loss of cars caused by the strike, our people are in good circumstances and we'll weather the storm. Our peach crop is estimated at 1,500 cars this year, but there was a loss of 400 or more cars of this fruit on account of lack of transportation facilities.

Palisade, Colo. J. A. Stover.

Raising Poultry Is Profitable

I began raising poultry with six Buff Orpingtons and three White Leghorn hens and a Buff Orpington cockerel. I raised to maturity that year 75 chickens, but of course some were mixed and I desired a pure breed. I sold \$36 worth and killed several fowls for table use. These were hatched from eggs my own hens laid and they hatched them, too. My Leghorns were of a poor egg strain and my Buffs were not pure enough to suit me, so I decided to sell all of them and get a pure breed.

I had then learned of a place that would pay me 2 and 3 cents a pound more for White and Buff varieties, so I chose Rose Comb Rhode Island Whites of a good egg strain. I bought a \$15 cockerel and paid \$5 apiece for four hens. These were very satisfac-

tory to me in regard to beauty, utility and weight and seemed to possess every quality I was looking for.

I raised 20 capons and 15 cockerels and 40 pullets. I had sold all my Buffs and had only the one breed with which to begin. Last year I sold 18 of my Rose Comb Rhode Island White capons at 35 cents a pound; some weighed 9 pounds and brought \$3.15. Some weighed 6 pounds and they brought \$2.10. I was getting the 3-cent premium on their color. The 18 brought \$53. I fed them a mash with milk for a month and it was surprising to see how much less food they consumed than their smaller brother cockerels.

These capons were from a June hatch and were about 9 months old. The cockerels of the same age consumed more food and were listed stags when I shipped them. They brought 12 cents less a pound and had the same care as the capons. The expense in handling poultry is small and the dividends are large for any one who tries to make the most of the business.

Bogue, Kan. Mrs. Cora Roberts.

Make Idle Lands Work

Our idle lands should give employment to millions of people in producing crops and storing up the wealth that exists here in our lands that we get nothing from and no effort is made to reap any returns, that we could have from properly directed efforts.

We gave millions of acres to railroads to build into the great West and we gave 100 million dollars to English companies to come here and build the Union Pacific. Did we lose anything in doing that? No. We just turned a barren waste into a very productive country and gave homes and employment to a vast empire.

We have scarcely touched the great resources of our country. Give our Western men money at a rate of interest equal to what we lend to industries of the East, or Europe and they will give the best security, backed by the most trusty people in the world and there will not be any talk of cancelling the debt, because they cannot pay, but every dollar will be paid with interest.

Goodland, Kan. J. B. Dyatt.

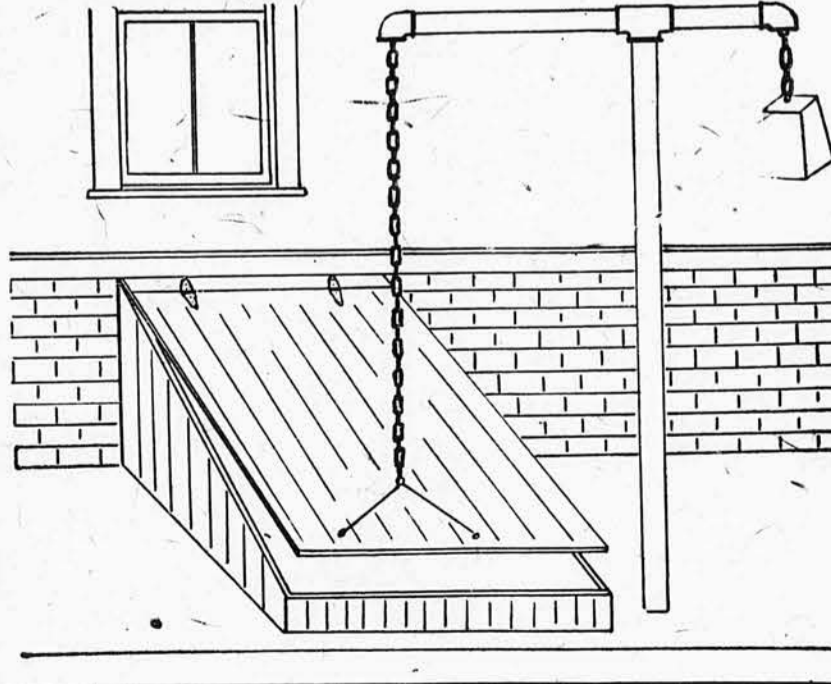
His Cellar Door is Automatic

BY RAY YARNELL

LIFTING a cellar door that opens at the end got to be an old story to J. O. Donner, Pratt county farmer. The door was heavy and had to be propped open with a stick. So Donner proceeded to make it automatic. At one side of the cellar door Donner set up a section of 2 inch pipe once used as a brace on a header. To the upper end he attached another section extending over the door and a shorter section opposite, forming a lop-sided T.

Near the bottom of the door an iron staple was attached. Running from the peak of this staple, an iron chain passed thru the horizontal section of the pipe and supported a weight, equal to the weight of the door, on the other end. The chain is well greased so it slides thru the pipe easily.

Now all Donner has to do to open the cellar door is to give it a little boost and the weight pulls it up as far as desired and holds it there. The door is closed by giving it a slight push downward. This is how it works.



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Best List, Ford Auto (with starter)	Value \$200.00
2nd " Indian Mo motorcycle	" 175.00
3rd " Victrola Phonograph	" 100.00
4th & 5th (each) Parker Hammerless Shot Gun	" 100.00
6th List, 30-30 Savage Rifle	" 75.00

150 Additional prizes, specially selected.

CONTEST OPEN TO ALL. Prizes awarded through committee of prominent bankers for lists producing best results in fur shipments this season. Send names of any trapper or fur shipper you know—regardless how few **ONE NAME** may win 1st prize for you. Similar additional names later, as you learn of them. Similar prizes to buyers and trappers selling most furs to us this season. We pay highest prices for furs and hold every shipment separate for shipper's approval of our offer. Write for particulars, enclosing names, TODAY.

Contest closes March 28th.
Duplicate prizes awarded in event of tie.

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T. J. BROWN FUR CO.
104 Brown Building, KANSAS CITY, MO.

The Wreckers

(Continued from Page 9)

rolling on the stretch of straight track where our "betterment" campaign had already begun to get in its good work. We had orders against a fast freight coming eastward at Banta, and we made the eighteen miles in a little over twenty minutes, shooting in on the siding at Banta just as the headlight of the freight was showing up in the western hills beyond the town.

At the "Y" siding we stopped—with-out going on to the gravel track where Gorcher had seen the lost 1016—and Kirgan and I got off with a lantern. This was because, on the way down, I had managed to tell the big master-mechanic about the Cantrell talk, tho I hadn't succeeded in making him believe that it accounted for Mr. Norcross's drop-out. Just the same he humored me by having Billy Gorcher stop, and now he was trying to make me take it sort of slow and easy as we stumbled out toward the stem of the "Y". That was Kirgan's way. He was as hard as nails with a gang of men, but he could be as soft-hearted as any woman when a fellow was all in. And he knew I wasn't half "at myself" yet, physically.

"Don't you get too much hope up, Jimmie," he was saying, as we humped along around the crooking track of the "Y". "We ain't goin' to find anything out yonder but a rusty loggin' track and that broken rail connection. You see, I've been here before, and I know."

When we reached the end of the "Y" there was the broken connection, just as he'd said. The old saw-mill track was still there, leading off in the dark up the gulch, but the two switch rails had been taken out and the switch itself was as rusty as if it hadn't been used in years.

"What you heard from Mr. Cantrell may have been all true enough," Kirgan said, while I stood swallowing hard and staring down at the broken rail connection, "only it didn't have anything to do with the Big Boss. Them thugs was probably plannin' to wreck the Mail, all right, and they came down here to do it. The Lord only knows why they didn't do it; praps there wasn't time enough, after they'd got the 'Sixteen in on the gravel track."

I only just about half heard what he was saying. He had the lantern, and its light fell squarely on a cross-tie a foot or two beyond where we were standing. It was the last tie in the empty string from which the two rails had been taken up to break the connection with the lighter saw-mill track steel, and what I was looking at was a fresh spike hole; fresh beyond all question because there was a clean new splinter of the wood sticking up beside it—a splinter that had been broken out when the spike was pulled.

Bridging the Broken Connection

I took the lantern from Kirgan in my one good hand, and he stood there waiting for me while I walked on out to the chopped-off end of the saw-mill track, examining the loose ties as I went along. There were fresh spike holes in some of the others; just one here and there. But that was enough. After I had knelt to hold the lantern close to the rails of the rusty timber track I knew my hunch was all right.

"Come here, Mart!" I called, and when he came, I showed him the new holes and new wheel-marks on the rusty rails of the timber track that proved as clear as daylight that an engine or a train had been over them away this side of the rains and the snows that had rusted them.

Kirgan didn't say a word—not to me. He just took one look at the rubbed rails and then yelled back to Gorcher to run out on the "Y." What followed went like clockwork. There were tools, a spike-puller and a driving maul, on the light engine's tender, and while the two firemen were throwing them off, Kirgan made a couple swift measurements with his pocket tape.

"These two, right here, boys," he ordered, indicating a pair of rails in the other leg of the "Y," and in less than no time the two rails were up and relaid to bridge the gap of the broken connection.

Gorcher moved the engine carefully over the temporary connection, with Kirgan watching to see that she didn't ditch herself. When the crossing was made we all climbed on, and Gorcher began to feel his way cautiously over the saw-mill track. Kirgan hadn't explained anything, but that didn't matter. We didn't know where we were going, but we were on our way.

We poked along into the black heart of the Timber range for five or six miles before the engine headlight showed us the remains of the old saw-mill camp in a little pocket-like valley from the sides of which all the mill timber had been cut. The camp had been long deserted. There were perhaps a dozen shacks of all sizes and shapes, and with a single exception they were all dilapidated and dismantled, some with the roofs falling in.

The one exception was the stout log building which probably had served as the mill-gang commissary and store. It stood a little back on the slope, and was on the opposite side of the creek from the mill site and sleeping-shacks. The ties at this end of the line were so rotten with age that our engine was grinding a good half of them to powder as she edged up, and a little below the switch that had formerly led in to the mill, Kirgan gave Gorcher the stop signal.

The Boss Was Alive

After we had piled off, there wasn't any question raised as to what we should do. Kirgan had taken a hammer from Gorcher's tool-box, and he was the one who led the way straight across the little creek and up the hill to the commissary. I had the lantern but it wasn't needed. From where the engine was standing, the headlight flooded the gulch basin with its electric beam, picking out every detail of the deserted saw-mill camp.

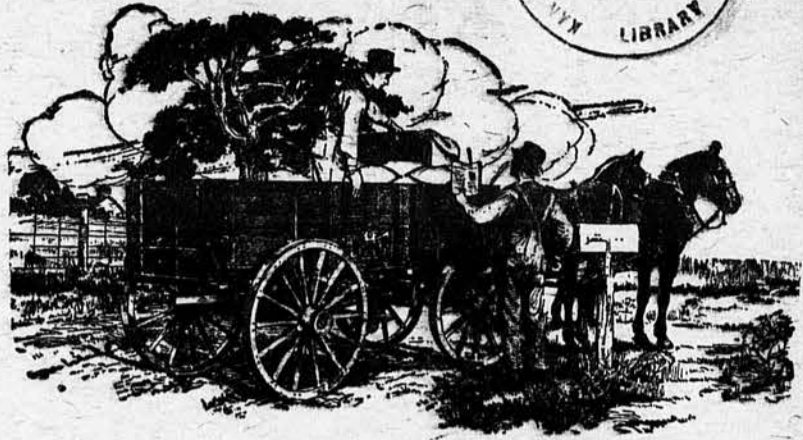
When we reached the log commissary we found the windows all boarded up and the door fastened with a strong hasp and a bright new brass padlock—the only new thing in sight. Kirgan swung his hammer just once and the lock went spinning off down the slope and fell with a splash into the creek. Then he pushed the door open with his foot, and shoved in; and for just one half-second I was afraid to follow—afraid of what we might find in that

Our Tractor Letter Contest

WE ARE all interested in methods by which the life of a farm machine or implement may be increased, and we wish to know of more specific cases. Tractors have been in use in this state long enough now so that there are many which have been working far beyond the average life of a tractor. Many of these are still working every day and will continue for some time to come.

We wish to receive letters from our power farmer readers telling us how they are using their tractors and power farming machinery and what they are able to do with them. Write us a letter, telling what kind of a tractor you use and how long you have used it. Tell us what this tractor has done and what the repair bill has been. Tell us to what cause or causes you attribute its success and what you think should be some of the things that any power farmer might do to increase the life and usefulness of his tractor.

We will give cash prizes of \$5, \$3 and \$2 for the three best letters in this contest. Send your letter, with a picture if possible, to the Farm Engineering Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan-



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FOR more than three-quarters of a century Weber Wagons have been serving American farmers. Their popularity has increased every year, due in no small measure to the famous Weber features which add extra years of wagon service.

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Weber Quality—The high quality of seasoned materials, and the careful construction of these wagons make them a decidedly economical investment. You are assured of satisfactory wagon service for many years when you buy the dependable Weber.

See this wagon at the McCormick-Deering dealer's store, or write us for detailed information.

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a big knee like this, but your horse may have a bunch or bruise on his ankle, hock, stifle, knee or throat.

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will clean it off without laying up the horse. No blister, no hair gone. Concentrated—only a few drops required at an application. \$2.50 per bottle delivered. Describe your case for special instructions, and Book 8 R free. ABSORBINE, JR., the antiseptic liniment for mankind, reduces Painful Swellings, Enlarged Glands, Wens, Bruises, Varicose Veins; allays Pain and Inflammation. Price \$1.25 a bottle at druggists or delivered. Liberal trial bottle postpaid for 10c.

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If you will send us the names and small addresses of 10 adult friends and 15 cents we will send you the Household for a whole year. This popular magazine now goes to over a million and a quarter subscribers each month. There are a number of fine features to the Household, but the two dominating ones are "Around the Family Table" and Senator Arthur Capper's Washington letters. These are worth much more than the small price of 15c. The 15c does not pay us but we want a half million names at once. THE HOUSEHOLD, Dept. 42, Topeka, Kansas



Pain?

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WHETHER it's a bruise, a cut, a burn, a sprain, a sore, rheumatism, stiffness, a sore throat, or a chest cold you'll find quick relief in this unequalled liniment. Furthermore it is absolutely safe and a perfect antiseptic. In fact we know you will be more than satisfied.

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Sold by druggists, or sent by parcel post on receipt of price \$1.50 per bottle. AS A VETERINARY REMEDY Gombault's Caustic Balsam has no equal. It supercedes all caustery and firing; and never leaves a scar or discolors the hair.

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Pleasant work. Good pay. We train you. Experts in charge. Intensive methods. Low tuition. Places to work your way. Radio free. Garage accounting free. Write for big catalog.



HUTCHINSON AUTO & TRACTOR SCHOOL HUTCHINSON, KANSAS

Advertisement for a lantern, featuring an illustration of the lantern and text: '10 Cents worth of common kerosene or coal oil will keep this Sunray lamp in operation for 30 hours. Produces 300 candle power of the purest, whitest and best light known to science. Nothing to wear; simple; safe; 15 Days' Trial FREE Lantern As a special introductory offer, we will give you a 300 Candle Power Sunray Lantern FREE with the first purchase of a Sunray Lamp. Lights up the yard or barn like a search light. Write today for full information and agency proposition. KNIGHT LIGHT CO. Dept. 2978 Chicago, Ill.

Advertisement for Blatchford's Calf Meal, featuring an illustration of a cow and text: 'Blatchford's CALF MEAL Write for chart No. C-29, "How to Feed Calves," giving important authoritative information for farmers. Sent you FREE. BLATCHFORD CALF MEAL CO. In business over 122 years Waukegan Ill.

gloomy looking log warehouse, with its blinded windows and locked door. I had my scare for nothing. While I was nerving myself and stumbling over the threshold behind Kirgan with the lantern, I heard the boss's voice, and it wasn't the voice of any dead man, not by a long shot! From what he said, and the way he was trimming it up with hot ones, it was evident he took us for some other crowd that he'd been cussing out before.

The light of the lantern showed us a long room, bare of furnishings, and dark and musty from having been shut up so tight. In the far end there were bunks built against the log wall. On what had once been the counter of the commissary there was a lot of canned stuff and a box of crackers that had been broken open, and on a bench by the door there was a bucket of water and a tin cup.

The boss was sitting up in one of the bunks, and he was still tearing off language at us when we closed in on him. He recognized Kirgan first, and then Gorcher. I guess he couldn't see me very well because I was holding the lantern. When he found out who we were, he stopped swearing and got up out of the bunk to put his hand on Mart Kirgan's shoulder. That was the only break he made to show that he was a man, like the rest of us. The next minute he was the Big Boss again, rapping out his orders as if he had just pushed his desk button to call us in.

"You've got an engine here, I suppose?" he snapped, at Kirgan. "Then we'll get out of this quick. What day of the week is it?"

I told him it was Friday, and by his asking that, I knew he must have been so roughly handled that he had lost count of time. The next order was shot at the two firemen.

"You boys kick that packing-box to pieces and then pull the straw out of that bunk and touch a match to it. We'll make sure that they'll never lock anybody else up in this damned dog-hole."

The two young huskies obeyed the order promptly. In half a minute the dry slab stuff that the bunks were built of was ablaze and the boss herded us to the door. In the open he stopped and looked around as if he had half a mind to burn the rest of the deserted lumber camp, but if he had any such notion he thought better of it, and a minute or so later we were all climbing into the cab of the waiting engine.

I had one last glimpse of the commissary as Gorcher released the air and the backing engine slid away around the first curve. It was sweating smoke thru the split-shingle roof, and the open door framed a square of lurid crimson. I guess the boss was right. "They," whoever they were, wouldn't ever lock anybody else up in that particular shack.

Back to the "Y"

We had to run so slowly down the old track to the "Y" that there was plenty of chance for the boss to talk, if he had wanted to. But apparently he didn't want to. He sat on the fireman's seat, with an arm back of me to hold me on, just as Kirgan had sat on the way up, and never opened his head except once to ask me what was the matter with my wrapped-up hand. When I told him he made no comment, and didn't speak again until we had stopped on the leg of the "Y"

to let Kirgan and his three helpers put the borrowed rails back into place. That left just the two of us in the cab, and I thought maybe he would tell me some of the particulars, but he didn't. Instead, he made me tell him.

"You say it's Friday," he began abruptly. "What's been going on since Monday night, Jimmie?"

I boiled it down for him into just as few words as possible; about the letter he had left for Mr. Van Britt, how everybody thought he had resigned, how Mrs. Sheila and the major were two of the few who weren't willing to believe it, how Mr. Chadwick had been out of reach, how the railroad outfit was flopping around like a chicken with its head chopped off, how President Dunton had appointed a new general manager who was expected now on any train, how Gorcher had discovered the lost 1016 on the old disused gravel-pit track a mile below us, and, to wind up with, I slipped him Mr. Chadwick's telegram which had come just as I was finishing my supper in the Bullard grill-room, and those two others that had come on the knock-out night, and which had been in my pocket ever since.

He heard me thru without saying a word, and when I gave him the telegrams he read them by the light of the gauge lamp—also without saying anything. But when the men had the "Y" rails replaced he took hold of things again with a jerk.

"Kirgan, you'll want to see to getting that dead engine out of the gravel pit yourself. Take the firemen and go to it. It's a short mile and you can walk it. Jimmie and I want to get back to Portal City in a hurry, and Gorcher will take us." And then to Gorcher: "We'll run to Banta ahead of Number Eighteen and get orders there. Move lively, Billy; time's precious."

The orders were carried out precisely as they were given. Kirgan took one of the huskies and tramped off in the darkness down the main line, and Gorcher, turning our engine on the "Y," headed back east. This time he wasn't so awfully careful of the curves and sags as he had been coming up, and we made Banta at a record clip. While he was in the Banta wire office, getting orders for Portal City, Mr. Norcross took the time-card out of its cage in the cab and fell to studying it by the light of the gauge lamp. Gorcher came back pretty soon with his clearance, which gave him the right to run to Arroyo as first section of Number Eighteen.

(TO BE CONTINUED.)

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.—Advertisement.

Kansas has produced many famous race horses. Robert McGregor, 2:17½; Myron McHenry, 2:15¼; Joe Patchep, 2:01¼, who was the sire of Dan Patch; and John R. Gentry, 2:00¼, were all born in Kansas.

Growing out of an organization formed in 1862, the Kansas Board of Agriculture is only one year under the age of the state itself.

A Livestock Lease Offers the Best Road to the Land of Profits

LIVESTOCK producers make larger profits in Kansas than do the grain growers, except in abnormal years. The larger returns of the stockmen have been especially evident in 1922. We are just at the start of real progress in this state in the development of an agriculture founded on livestock.

But nearly 50 per cent of the farmers of Kansas are tenants. It is more difficult for a tenant to develop livestock enterprises than for an owner.

A livestock share lease, however, is absolutely practicable. There are hundreds of successful ventures in Kansas which have proved that this is true. You can get a blank lease of this kind free, if you desire, from W. E. Grimes, professor of agricultural economics, Kansas State Agricultural College, Manhattan, Kan. He believes that the growth in livestock leasing is one of "the most worthy enterprises to be pushed at this time." And we agree with him. If you are either a tenant or an owner and are interested in livestock share leases you had better write to Professor Grimes for his contract. It is based on the successful experiences of hundreds of owners and tenants.



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HALL, HARTWELL & CO., Troy, N. Y. Makers of HALLMARK Athletic Underwear, MARK TWAIN and SLIDEWELL Collars.

Advertisement for HUSKUM FOR SORE HANDS, featuring an illustration of a hand being treated and text: 'USE HUSKUM FOR SORE HANDS Keeps your hands free from chapping and soreness at corn husking time and all year round. Don't run chances of inflammation or blood poisoning. HUSKUM HEALS cracks—removes soreness. The famous scientific remedy for sore hands. Thousands use Huskum the year round—not an experiment. Made for workers—not a "beauty cream." Where hands are chapped, bruised, cut, HUSKUM is the quickest, most effective, most soothing and healing lotion known. Stops inflammation and infection instantly. CENTRAL MFG. COMPANY 100 First St. Cedar Rapids, Iowa. Our Special Trial Offer Send 2c and name of druggist or hardware man for a big trial bottle of Huskum.'

Advertisement for a free catalog, featuring an illustration of a wheel and text: 'Free Catalog In colors explains how you can save money on Farm Truck or Road Wagons, also steel or wood wheels to fit any running gear. Send for it today. Electric Wheel Co. 30 Elm St., Quincy, Ill.'

Advertisement for the MORRISON HOTEL, featuring an illustration of the hotel building and text: '1000 Rooms Each With Bath Rates 44 rooms at \$2.50 174 rooms at \$3.00 292 rooms at \$3.50 295 rooms at \$4.00 249 rooms at \$5.00 and up Enjoy Your Stay in CHICAGO in the Heart of the Loop Convenient to all theaters, railway stations, the retail and wholesale districts, by living at the MORRISON HOTEL THE HOTEL OF PERFECT SERVICE Clark and Madison Sts. The Home of the Terrace Garden CHICAGO'S WONDER RESTAURANT'

Modern Farming in Kansas

BY HENRY K. APPERSON

THERE is likely to be more cattle than usual fed in Kansas this year, and less sheep. Such successful sheep feeders as A. L. Stockwell of Larned are inclined to hesitate at loading up very heavy with thin sheep at present prices. Many of them believe that there is more money in feeding cattle. Certainly there is a great deal of feed in the country to consume this year, and it is likely, no matter what kind of animals is fed, that they will go on the market later at more than ordinary weights.

Sorghums Planted Too Early?

F. A. Wagner, superintendent of the Garden City Experiment Station, believes that a large part of the sorghum acreage of Western Kansas is planted too early. He recommends planting the last week in May or the first week in June, depending on the soil conditions.

More Poultry in Reno

Sam J. Smith of Hutchinson, county agent of Reno county, has had excellent success with his poultry clubs this year. Several community poultry shows were held, which reflects the growing interest there in better farm flocks.

Soybeans Win Around Iola

There is a rapidly growing interest in soybeans in Allen county. The larger part of the acreage has been planted in the corn. The crop seems to have demonstrated an extraordinary ability, under the conditions encountered in Southeastern Kansas, to withstand drouth. Much of this mighty creditable showing has been due to James A. Milham of Iola, the Allen county farm agent, and the original "soybeans fan" of the state.

Growth in Pumping Irrigation

E. E. Frizell of Larned registers great satisfaction over the growing interest in pumping irrigation in Central and Western Kansas. He points especially to the excellent results in truck growing at Garden City, Dodge City and Larned as offering some indication of the future production of the Arkansas River Valley. George A. Knapp of Topeka, the state irrigation commissioner, says that his office is receiving a huge number of letters requesting information on irrigation.

A Real Truck Shipping Association

The Garden City Truck Growers' and Producers' Association, organized last June, has handled the truck produced in that district this year in a mighty satisfactory way. It is perhaps the most powerful force in the rapidly growing truck growing business in that section. J. A. Becraft of Garden City is president and H. E. Miller of Garden City is the shipping manager.

To Reduce the Wheat Acreage

Wheat growers in almost every county have reduced their acreage considerably. This is well. Kansas doubtless will always maintain its position of leadership in the growing of winter wheat, even if we devote perhaps 2 or 3 million acres that were in wheat this year to the growing of crops like alfalfa and the sorghums.

Institutes Valuable to Farmers

Important agricultural information, facts and experiences were obtained by Leavenworth farmers during October and early November, thru a series of 18 institutes held in various centers in the county. The institutes were arranged by the county farm bureau, working in co-operation with the Kansas State Agricultural College.

What About Corn in 1923?

A farmer writes to Kansas Farmer and Mail and Breeze asking for definite statistics indicating the probable demand for corn in 1923. Of course definite figures are not available that far in advance. Several important factors, however, indicate that the chances are that corn will be in good demand, that the price will be higher than at present. The extent of the

feeding of hogs and cattle this year will eat into the corn surplus rapidly. The United States Department of Agriculture reports that exports of corn during the first eight months of this year were 3 million bushels greater than the total exports in 1921. In addition, foodstuffs prepared from corn, equal to almost 2 million bushels, also have been exported this year.

Good Profits in Turkeys

Most of the turkey flocks in Kansas have done at least as well as usual this year. The prices probably will be fairly satisfactory in November and December. It would seem that an increase in the number of turkey flocks in Kansas would be well justified, as the competition is not very large. There are now about 3½ million turkeys in the United States; according to the last available data, there were 478,000 in Texas, 248,000 in Missouri, 192,000 in Oklahoma and 174,000 in California.

The price received for turkeys usually is considerably higher than that paid for any other kind of poultry, especially during the holidays. Last year the average wholesale price on the New York market for November and December was 39.1 cents a pound for live turkeys. At the same time the price paid for hens was 24.1 cents, and for geese 25.1 cents. Turkey prices have held up better than prices of other poultry during recent years. The value of the turkeys in the country last year was practically 100 per cent greater than in 1911, but the number was about the same.

Cold Weather Tips

BY FRANK A. MECKEL

IF YOUR home has been difficult to heat in the past, try some felt strips around the windows and under the doors. A surprising amount of heat is lost thru the admittance of cold air thru cracks. With coal prices high as they now are, every little saving will help.

Be sure that the first cold snap does not catch you without any solution to prevent freezing in the radiator of your car or tractor, or even in the cooling system of the small gas engine that pumps the water. There are a number of good solutions to be had, almost any of which will answer. The solution chosen must be adapted to the type of cooling system for which it is intended. Alcohol will not do for an open hopper cooling system.

If the plumbing system in your home is not equipped with a drain cock at the lowest point in the plumbing, this installation should be made soon, for it may be necessary to turn off the water, and if pipes are allowed to remain full of water during freezing weather, trouble is likely to follow. Now is a good time to consider the purchase or making of some sort of stock water tank heater. The cattle will put on more economical gains if the water is kept at a temperature considerably above freezing, and there will be no ice to clear off the tank every morning. Dairy cows especially should have their water heated.

We suggest that if the furnace needs any repairs, they be ordered at once so that the household does not wake up some frosty morning without any means of keeping warm.

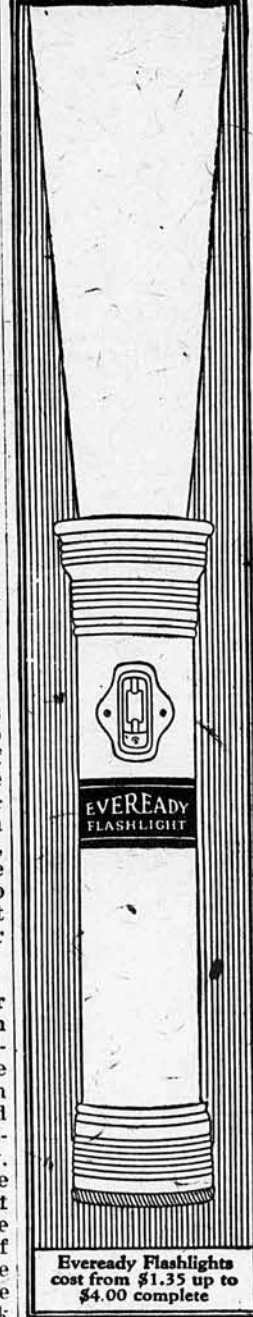
It might be well to have some high test gasoline in a can in the garage now. It may save a trip to town with the team later on when the engine wont start. If high test cannot be purchased, a little ether mixed with gasoline will answer very well for starting engines in cold weather. It must be used with care, however.

Ever stop to think how much more enjoyable those long winter nights would be if you had electric lights in your home? The cost of a plant is an investment that one will never regret.



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Jayhawker's Farm Notes
By Harley Hatch

A **SHOWER** of approximately 1/2 inch which fell here recently kept wheat in good growing condition. Wheat, on this soil, will not need much moisture from October until next March and the plant is more likely to go thru the winter in good condition in a medium dry soil than in one too wet. Wheat sowing was later in this part of the state than last year. Many feared that too early sowing would make too much growth and bring on the conditions which obtained this year when there was an overgrowth of straw in nearly every field. From present appearances we believe the sowing this fall was put off a little too long. The weather has not pushed growth very much and many fields are, in this last week in October, showing but a faint tinge of green. Last year we took our cattle from pasture on October 23 and turned them at once on our early sown wheat. This year our early sown wheat will come far from providing pasture and we are not expecting any feed at all from it this fall.

Making Feed Racks

We put in two days this week making feed racks in the cattle yards. There are four yards and that meant four racks. We made them of large hedge posts with neck rails made of native lumber. The neck rails are the only part the cattle try heavily and they should be made of hard wood 2 inches thick. The rest of the racks are made of rough pine boards 6 inches wide. Each rack will hold two days' feeding and we have made them so they can be filled without driving in the yard, which should prove a great convenience when there is but one man to do the feeding.

We plan to feed differently this winter from what we have been doing in the past; formerly we fed twice a day, morning and night, but this winter we will do all the feeding in the morning. We can do this because we will have so much hay to feed. We plan to give a feed of fodder in the morning and then to fill up the rack with hay; this should last them until the next morning. If we had no hay and fed all fodder, as we have been doing the past few years, we would have to feed twice a day.

Livestock Prices Fairly Good

This has been another good week, financially, for the farmers of Coffey county. The prices of cattle and hogs are holding up well. Packers threaten lower hog prices but the time is here when the break usually comes and it seems hard to break them.

Cattle good enough for killers sell readily off grass for \$5 a hundred locally; thin stock cattle do not sell well as they come in competition with the flood of thin stuff from the dry Southwest. But the encouraging feature has been in grain prices instead of those of livestock. Our neighbors have been hauling wheat the last two days to a farmers' elevator at Lamont, a lit-

tle town 8 miles from here, where \$1.05 a bushel was being paid for the ordinary run of wheat. The market will readily stand this price but most market points are not paying it because they have their elevators full and cars in which to ship are like angels' visits—few and far between.

New corn is in good demand at Burlington at 70 cents a bushel; there is no question but what this county will have to ship in corn and that means Kansas City price plus freight and shipping expenses. Corn is a fair crop here but the acreage was not large enough; next year there will be a larger corn acreage and less wheat.

A Faithful Horse Gone

This week there died on this farm a black mare, 23 years old. For 18 years she has given us of her best, always being ready to do just what you demanded of her as nearly as she could understand. In all the long years she has been with us we never knew her to do a mean thing; so gentle was she that a child could handle her even in her younger days and we never saw her try to injure any other animal, no matter what it was. For 18 years we worked together in the field so you will not wonder that we feel her loss as we would that of an old friend.

Many tell us that it does not pay to keep a horse until it is old; that it should be disposed of before it shows his age. That may possibly be true in a financial way but even that we question. The advocates of passing along horses urge us to sell them by the time they are 8 years old but it has always seemed to me that a horse was doing his best when from 8 to 15 years old. But no matter about that; if we have a horse which gives us as good service as any of our horses have done in the last 20 years, we are going to keep him and see that he has good care so long as he may live. This may not pay in a financial way but it pays in a way that suits us all right.

Invest Safely and Profitably

In these days when every dollar counts and when so many "investment" schemes are directed at the farmer, the problem of investing surplus funds is really important. I believe that I have solved that problem for the readers of Kansas Farmer & Mail & Breeze. This investment is backed by 28 years of success in a business which has grown to be one of the strongest concerns in the Midwest, and in fact, the largest business of its kind in the world. Further conservative expansion and additional equipment are the motives for obtaining additional capital at this time. Amounts of \$100 or more are solicited. The rate of interest is 7 per cent payable semi-annually with the privilege of withdrawing any or all of the investment at any time upon 30 days' notice. I can unqualifiedly recommend this investment and believe it as safe as a government bond. A letter to me will bring you promptly further information. Arthur Capper, Topeka, Kan.

America's Wealth in Corn

C **ONSUMED** either directly or in the form of meat and other animal products, corn is the principal source of the Nation's food supply. Of approximately 6 1/2 million farms in the United States, nearly 5 million produce corn. Nearly 100 million acres of farm land is devoted to the production of this single crop, which in recent years has reached more than 3 billion bushels. During the World War the value of the crop reached more than 3 billion dollars, or one-eighth of the present national debt. The 1920 crop, the largest ever produced, had a value of \$2,150,000,000; the 1921 crop \$1,303,000,000.

Not less than 40 per cent of the total crop is fed to swine on farms, 20 per cent is fed to horses and mules, and 15 per cent to cattle. Only 10 per cent is used direct for human food, but 85 per cent is used thru the consumption of meat and meat products. Corn is the basis of the Nation's livestock industry. The United States produces about three-fourths of the corn crop of the world. There are no large competing countries, but corn is an important crop in Argentina, Brazil, Mexico, and some of the Southern European countries, tho not yet in serious competition with the United States product. Less than half of the corn land in the corn belt is allotted to corn in any given season, and more than 50 per cent of the crop land is occupied by small grains and hay.

Early Fall
Money Saving Clubbing Offers

Capper's Weekly	Club 100 all for Household	\$1.60
Kansas Farmer and Mail & Breeze	Club 101 all for Gentlewoman	\$1.10
Kansas Farmer and Mail & Breeze	Club 102 all for Woman's World	\$1.30
Kansas Farmer and Mail & Breeze	Club 103 all for McCall's	\$1.40
Kansas Farmer and Mail & Breeze	Club 104 all for American Woman	\$1.75
Kansas Farmer and Mail & Breeze	Club 105 all for American Woman	\$1.50
Kansas Farmer and Mail & Breeze	Club 106 all for Pathfinder (Weekly)	\$1.25
Kansas Farmer and Mail & Breeze	Club 107 all for Household	\$1.60
Kansas Farmer and Mail & Breeze	Club 108 all for Pictorial Review	\$1.75
Kansas Farmer and Mail & Breeze	Club 109 all for Today's Housewife	\$1.50
Kansas Farmer and Mail & Breeze	Club 110 all for Modern Priscilla	\$2.20
Kansas Farmer and Mail & Breeze	Club 111 all for Christian Herald	\$2.10
Kansas Farmer and Mail & Breeze	Club 112 all for Pathfinder	\$1.75
Kansas Farmer and Mail & Breeze	Club 113 all for American Boy	\$2.35
Kansas Farmer and Mail & Breeze	Club 114 all for Collier's	\$2.60
Kansas Farmer and Mail & Breeze	Club 115 all for Three-a-Week World	\$1.30
Kansas Farmer and Mail & Breeze	Club 116 all for Bryan's Commoner	\$1.30
Kansas Farmer and Mail & Breeze	Club 117 all for Am. Poultry Advocate	\$1.25
Kansas Farmer and Mail & Breeze	Club 118 all for Youth's Companion	\$2.85
Kansas Farmer and Mail & Breeze	Club 119 all for Woman's Home Comp.	\$1.80
Kansas Farmer and Mail & Breeze	Club 120 all for Boys' Magazine	\$1.45
Kansas Farmer and Mail & Breeze	Club 121 all for American Magazine	\$2.60
Kansas Farmer and Mail & Breeze	Club 122 all for Bryan's Commoner	\$2.00
Kansas Farmer and Mail & Breeze	Club 123 all for People's Popular Mo.	\$1.60
Kansas Farmer and Mail & Breeze	Club 124 all for Good Stories	\$1.95
Kansas Farmer and Mail & Breeze	Club 125 all for Woman's World	\$1.55
Kansas Farmer and Mail & Breeze	Club 126 all for American Woman	\$2.65
Kansas Farmer and Mail & Breeze	Club 127 all for Am. Poultry Advocate	\$1.40
Kansas Farmer and Mail & Breeze	Club 128 all for People's Popular Mo.	\$1.90
Kansas Farmer and Mail & Breeze	Club 129 all for McCall's	\$1.85
Kansas Farmer and Mail & Breeze	Club 130 all for Household	\$1.35

Offers Good for 15 Days Only
NOTE—If you should happen not to find your favorite magazines in these clubs, make up a special club of your own and write us for our special price. We can save you money on any combination of Kansas Farmer and Mail & Breeze and any two or more other magazines you want.

Kansas Farmer and Mail & Breeze, Topeka, Kansas

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

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Capper Pig Club News

Club Members Won as High as Grand Champion

BY RAYMOND H. GILKESON
Assistant Club Manager

PRIZES from Grand Champion on down were won this year by Capper Pig Club members who showed their hogs at the various fairs. Such a record as this is worthy of notice by the most prominent breeders in the state, and I am sure a great many folks who are not in the club work will be glad to read about the success of the winners this year at the fairs. Perhaps some prizes have been omitted, but if so they will be given in some later story.

Two Fairs Net \$46

Taking the winners in order according to their county we have Corbin Hazen of Brown. "I won second and third futurity gilt, fourth on futurity litter, first in Brown County Pig Club and second and third on best gilt, receiving a total of \$37," writes Corbin. "This was at the Brown County Fair. I took my pigs to the Nemaha County Fair and won third, fourth and fifth on best gilt, receiving \$9."

Four Winners in Ellis

Ellis county boasts of four club members who won. Everett J. Eaton showed his contest sow and gilts at the Hays Golden Belt Fair, winning first and second on club sow under 1 year; first on club pen; first and second on sow under 1 year in swine department; first on boar under one year in swine department; and first on pen in swine department, receiving \$31. The three Baker brothers entered at the Hays Golden Belt Fair and won five firsts, two seconds and one third. Everett won four firsts and two seconds. Fred won a \$75 scholarship to the Kansas State Agricultural College, and Oliver won a trip to Manhattan for Achievement week.

Finney and Jewell Represented

Glen Jarboe of Finney county writes, "I took four of my pigs to the Holcomb fair and won one first and two seconds, and received \$9." From Jewell county comes the good news that Ronald Warren showed at the Jewell County Fall Festival and won third premium on litter of four, receiving \$12. In the Kiowa County Fair Homer Coper won second and third on his pigs.

Good Work in Marshall and Mitchell

At the Marshall County Stock Show Clifford Schneider entered six pigs and won: Second on senior boar pig, \$2; third on senior sow, \$1; and second on young herd, \$4. Seven dollars isn't the only part that Clifford likes, because he got some experience worth much more than that amount, and he advertised his hogs by winning with them. Imagine the thrills that chased up and down the spinal columns of these boys who are winners. Mitchell county should be proud of Joseph McDaniel's record. He took his herd boar and won first. Showed four gilts and got first and second on two of them. First on boar over 6 months and under 12. Won third on each of four animals any age get of same sow, and second on four animals any age get of one boar. In his county club contest he won first, second, third and fifth. In all he won \$49 and 12 blue ribbons. Shouldn't Mitchell county be proud of him?

Morris Brings Prizes Home

Of course, you expect to hear from Morris county next, and you shall. Floyd Bosch won \$37 in the county fair. At the same fair Lauren and Lester Rumsey made a good record. "We exhibited six head," writes Lauren. "One was a senior sow which won second, a junior boar won second in the open class, and another one took third. Made first and second in the Spotted Poland China Futurity show. I exhibited four gilts from my contest litter and won second in the open class for litter, first in the Futurity and second in the pig club show. Also won second and third on junior sow." Lawrence Rumbeck entered six pigs.

In open class his junior boar won first and junior gilt second. In litter of four he took first. The gilts took first and second and the boars took first and second alone. All together this netted Lawrence \$32. Along comes good news from Lowell Smith. He entered four pigs and won third on litter of four, \$3; third on boar pig, \$2; sixth in futurity show, \$8; ninth and tenth in best gilts shown, \$7. Aside from that he won \$8 for taking first place in stock judging contest and helped to win \$5 because Capper Pig Club No. 2, in Morris county, took third place in teams represented at the fair. Add all his winnings together and you'll say yourself that \$30 is mighty fine.

Let Republic Tell You

Now we'll see what Republic county did. Warren Segerhammar steps right up to tell us he won third on sow in open class at the North Central Kansas Free Fair, which brought him \$6. Also, he won fourth on boar in open class, \$5. Callin Dodge chimes in to the tune of \$20 for showing four pigs at the county fair. Clyde Bailey entered his sow and four of his pigs in the promotion show and won sixth place. In the boys' and girls' department he entered his sow and six pigs, winning first. Total cash winnings amount to \$22, which would come in handy to any of us.

Grand Champion in Russell

It was left for Lyal C. Trapp of Russell county to get in the Grand Champion class. He entered four pigs and took six prizes. Grand Champion over all, and champion over the Poland Chinas. Three firsts and one second. That is the thing to tell any boy who gets the idea that he "can't" do things worth while. Lloyd Stockwell of Scott county entered his pigs in the county fair and took first for best boar and best sow pigs.

Father and Son Win

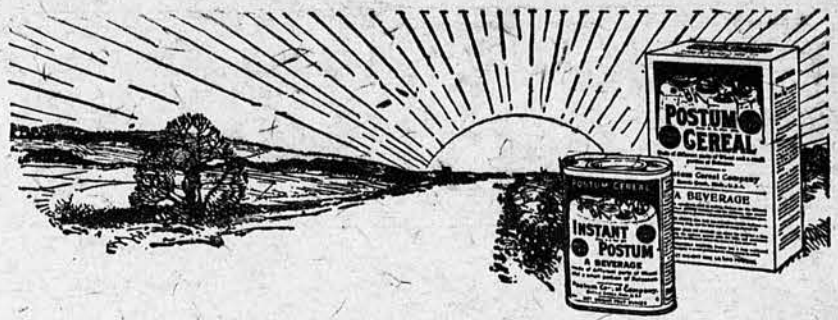
We'll end our prize talk by telling you that Herbert Wagner and his father in Sumner county took first on boar over 1 year, champion over all age boars, first junior boar pig, first on aged sow, first on sow 6 months to 1 year old, third on litter of four and third on junior sow pig. James Russell Ash entered pigs for the first time in the Sumner County Fair and won fourth on futurity litter of four pigs, fourth on junior boar pig, fourth on junior sow pig in the futurity class and third on the same gilt in the open class. Joseph Crow stepped over the line to the Blackwell Fair and brought back just \$56.

Members Growing into Business

These are the winnings that have been reported up to date, and you may be sure every boy in this list is deserving of the prizes won. That is the kind of boys that the Capper Pig Club is made up of, and I'm sure hundreds of other boys will wish to get in for the contest of 1923. The new club will open in December so watch for the announcement. It was impossible for many of the club members to show this year, but you'll find all of them have the same high-grade stock. In the list of Capper Pig Club members are to be found the names of the future leading breeders of the state, and perhaps of all the states.

Best Stock Reasonably Priced

The illustrated catalog containing the seventh annual offering of purebred hogs and standardbred poultry raised by members of the Capper Pig and Poultry Clubs now is ready for distribution. Take advantage of this opportunity to buy the very best stock at the most reasonable price. Stock is guaranteed purebred and is the pick of the contest litters and flocks that were entered in the Capper Club work during 1922. Write immediately to Earle H. Whitman, Capper Building, Topeka, Kan., for a copy of the catalog.



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Wouldn't it be well for you to avoid the harm which so many have found in coffee and tea, and protect health while pleasing taste, with wholesome, satisfying Postum?

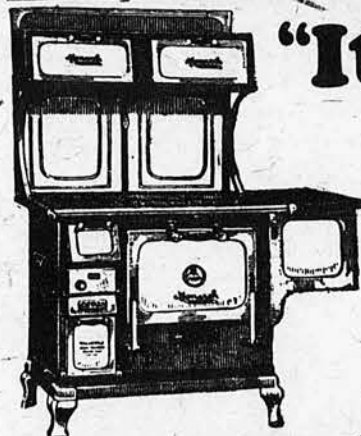
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Postum comes in two forms: Instant Postum (in tins) prepared instantly in the cup by the addition of boiling water. Postum Cereal (in packages) for those who prefer to make the drink while the meal is being prepared; made by boiling fully 20 minutes. The two forms are equally delicious; and the cost is only about 1/4c per cup.

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Please send free and postpaid the Asbestos Holder-Mat offered here. I am answering the questions asked below.

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What kind of stove have you now in use in your kitchen?

How old is it? _____

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—EDITOR—

Just Be the Best

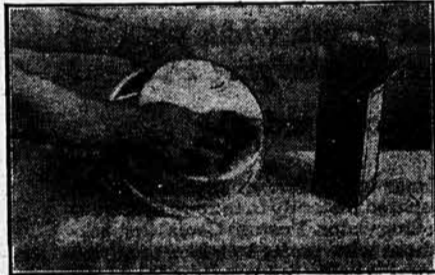
If you can't be a pine on the top of the hill
Be a scrub in the valley—but be
The best little scrub by the side of the rill;
Be a bush if you can't be a tree.
If you can't be a bush, be a bit of the grass.
Some highway some happier make.
If you can't be a muskie, then just be a bass—
But the liveliest bass in the lake!

We can't all be captains, we've got to be crew,
There's something for all of us here,
There's big work to do and there's lesser to do.
And the task we must do is the near.
If you can't be a highway, then just be a trail.
If you can't be the sun be a star;
It isn't by size that you win or you fall—
Be the best of whatever you are!
—American Lumberman.

Mark of Well Groomed Kitchen

Of all household duties, few, if any, are held in greater disfavor than scrubbing pots and pans. Yet the well groomed kitchen is one in which the cooking utensils are immaculate when the dish washing process is completed.

The task of keeping cookery equipment in a good condition is made easy by the use of steel wool, fine steel



filings, which cut the dirt from the surface of aluminum, enameled ware, iron, steel and glass utensils. The finer grades of this material should be used to avoid scratching the surfaces, but the coarser ones may be used successfully to remove the obstinate stains from linoleum.

Course Is Still Popular

Nearly 4,000 mothers have taken the correspondence course for expectant mothers, offered by the Kansas State Board of Health. The division of child hygiene has prepared a course of 12 lessons, each one treating the fundamental facts in preparing for motherhood.

Every week for 12 weeks a lesson will be mailed free to any Kansas mother. Persons living outside the state will be charged 25 cents for the course. At the end of the course every one receives a copy of the Kansas Mothers' Manual. This book is a summary of the lessons, and contains instructions in the proper care of infants and children up to school age.

Address Division of Child Hygiene, State Board of Health, Topeka, Kan., and ask for the correspondence course for expectant mothers.

Armistice Day Entertainment

Has your women's club or your ladies' aid society ever entertained the ex-service men on Armistice Day? We did it last year for a group of federal board men in a small college, and the evening was so successful that I would like to pass the idea along.

We issued invitations for a stunt night at the Y. M. C. A. canteen; this was to be in the basement of one of the churches for the evening in question. We were fortunate, as you may be, in having a girl who had served with the Y. M. C. A. in France to help us plan the blue costumes and the starched little white caps of the workers, and to give the affair other realistic little touches.

While our guests were coming in, we kept a group around the piano singing. That broke the ice for everyone. We sang the rollicking war songs that are so much easier to sing now than they were when theirs was a present message; we sang time honored "Juanita" and its contemporaries; we even sang the latest bits of jazz. Our

stunt program was not a long one. It began and ended with music by a local quartet; it had a farcical tight-rope walking episode, a French folk dance by some children, and the tiny playlet "Pyramus and Thisbe," from Midsummer Night's Dream.

The humor and appeal of Shakespeare are perennial. We made our own costumes, simple sack-like smocks over bloomers for the most part. Only Wall and the lion blossomed forth with an individuality which convulsed their observers.

The tight rope walker and her clown are really worth copying. We stretched a rope solemnly across the front of the stage on the floor. Then to the accompaniment of gay music, a young miss with vividly black eyes and

hair, wearing a rose petal dress of red crepe paper, came out and, with the most perfect seriousness performed upon the rope.

She walked back and forth, balancing a parasol; she carried out a chair, set its back legs carefully upon the rope, then climbed to its seat, bowing and kissing her hands to the audience; she waltzed sedately from one end to the other. She was followed by a perfectly immense clown with a doll's parasol. He imitated her every trick, falling clumsily about the stage with a loyal disregard for his own comfort.

At the conclusion of the program, we turned to the end of the canteen where the refreshments were served. Behind a long counter stood a row of girls in blue and white uniforms. They

passed coffee and ice cream over to the passing line. Plates of sandwiches and cake stood within reach of all.

Thru placards everywhere our guests were urged to "Take One," to "Have Another Cup," but warned to "Conserve Sugar," and "One Dessert, Please." About the room were further reminiscences of the overseas but in "Have You Written Home Today?" "Bring Your Mending to the Mothers' Corner," and "Ici on Parle Anglais."
Vera Meacham.

Apples Stuffed With Prunes

Altho plain baked apples are enjoyed, varying them from time to time prolongs their popularity. The addition of spiced prunes is a pleasant change.

Core the apples, removing some of the flesh, but do not pare. Stuff them with prunes prepared in this way: Soak the prunes overnight and in the morning stew them until tender. Add a little sugar, 2 or 3 cloves and a few small pieces of stick cinnamon. When the prunes are tender and have absorbed all the water in which they cooked, remove the stones and chop in tiny pieces.
Mrs. Martha Curtis.

Cut Up Stories Entertain

Make several cut up stories for the children who are old enough to read. Paste the stories onto cardboard and cut into paragraphs numbering the paragraphs consecutively. Or, better still, cut your story into paragraphs before pasting, then cut the cardboard. Put each story into a separate box or use rubber bands to divide each story into a separate package if several are to be put into one box.

The children, and sometimes the grown-ups, will enjoy passing out these stories and reading them aloud. The cut-up stories will help to "white away the rainy day."

Mrs. George S. Maxson.

Women's Service Corner

Our Service Corner is conducted for the purpose of helping our readers solve their puzzling problems. The editor is glad to answer your questions concerning house-keeping, homemaking, entertaining, cooking, sewing, beauty, and so on. Send a self-addressed, stamped envelope to the Women's Service Corner, Kansas Farmer and Mail and Breeze, and a personal reply will be given.

Hand Lotion

Please tell me some simple method of preventing hands from chapping.—T. A.

After your work is done wash your hands in tepid, preferably soft water, soap them with a good vegetable oil soap and rub them with cornmeal. Then rinse them with tepid water and dry thoroly. Follow this with an application of hand lotion made of one-half glycerin and one-half camphor.

Ammonia As a Cleaner

I would like to know how to take mud stain off woolen garments.—Mrs. F. D.

Let the mud dry on and then brush it off with a stiff brush. Dip a piece of linen into weak ammonia and rub until the spot disappears. Also the stain may be sponged with raw potato water.

Storing Linens

I am making up a hope chest but I may not use the things for several years. How can I prevent their becoming yellow?—B. B.

Store the things in a cedar chest if possible. If a trunk is to be used line it with soft muslin which has been dipped in strong bluing water and dried. Do not store any starched fabric. Wrap white silk articles in blue tissue paper. A cake of pure white wax placed in the box with the wrapped silk will help keep it white. However, if the fabrics are to be stored several years I would suggest that you take them out at least once a year, wash them and give them a good sun bath.

Happy Thoughts for Gray Days

INTRODUCTION BY RACHEL ANN NEISWENDER

IF YOU should suddenly be denied the use of your legs, your arms and your eyes, what would you do? Most of us would sink so far into the depths of despair that we would be lost forever. We would think that the person who suggested that for us life still held some sunshine was merely adding insult to injury. And then, suppose on top of all these other afflictions, your jaws would become set. Truly, we might feel that "the burden that was laid upon us was heavier than we could bear."

I know a young woman who has not walked one step for 11 years, who has been confined to her bed for eight years, and who has been sightless for six years. Her jaws are set and she can take no food but liquid. Yet she is far from being in the depths of despair. This young woman, who is Irene Judy of Garnett, Kan., is happy, confident in the goodness of God, and moreover she is helping, by her pen, to instill into the hearts of men and women and children some of her faith and gladness.

Irene Judy is 27 years old. When a child of 10 she fell from a hammock and it is believed that this fall led to her invalidism. Until she was 10, Irene was an unusually happy, healthy child, and somehow she stored up during these few perfect childhood years happiness enough to last her a lifetime.

At 11 she had to quit school. At 15 she had to give up walking entirely, but was able to sit up until eight years ago and since that time she has been confined to her bed all the time with the exception of about an hour a day when her father lifts her up and gives her a rest. Most of her education was gained thru her mother reading to her. Altho she has tried at various times to study at home, she is unable to stand the nervous strain.

Three years ago the greatest joy of her life came to Irene—she discovered that she had the gift of writing. At first she wrote only poems for children, then she wrote stories for them and later on she began to write poems that appealed to adults. Now she says that some day she is going to write adult fiction.

The following is the first of a series of Miss Judy's articles which will appear on the Farm Home Page under the head of "Happy Thoughts for Gray Days." These articles are inspiring and they are going to help all of us, especially since we know about the courageous girl who writes them. Not only will they help those who are handicapped in some way, but more especially will they help those who have good health and the luxuries and comforts of life, and still are unhappy—blind to their blessings.

If you enjoy Miss Judy's articles, drop her a little note and tell her so. Address Irene Judy, Garnett, Kan.

The Winter Comes

"It's going to be a hard winter," folks are predicting. They declare coal will be very scarce and foodstuffs extremely high—all because of the strike.

I will admit that the railroad situation is serious, but I believe things will turn out all right, just as did the peaches mother canned this fall. She had worried about peaches all summer. The home-grown ones were not fit for canning, and our merchants said the Colorado fruit, which we usually get, could not be shipped this fall unless the strike was settled. Of course, it was not settled, neither did mother quit worrying, and then came two carloads of Colorado peaches—big, delicious, pink-cheeked ones, the finest we ever had. Our jars are full now; all the anxiety was for nothing. And I am going to hope everything will turn out just as well this winter.

I have never been hungry because no food was in the house, nor cold because no fuel could be secured, so why should I expect to be this winter? If I become doubtful about these things, I shall search my mind for the cheerful assurance found in Matthew VI, 25 and 26. Surely if my Heavenly Father so feeds even the birds and directs their flight to a warmer habitation every autumn, I, who am much greater in His sight than they, need have no fear the winter comes.—Irene Judy.





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It makes a most effective spray for fruit trees. It also forms the most active element of a sheep dip. LEWIS' LYE, used according to our simple directions, will protect the health of poultry and live stock. These and many other uses are fully described in our booklet—

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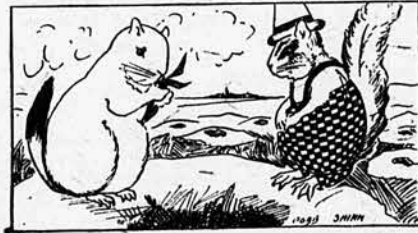


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For Our Young Readers

Does a Prairie Dog Burrow Down to Water?

Chitter, the little chipmunk, was very thirsty. He was not used to traveling across the great plains. Chitter had always lived along the edge of the forest where the bubbling brook was always close when he wished a drink. At last he spied a prairie dog village, and as he trotted along a little faster he said to himself, "I am sure I can get a drink at this little village because I often have heard



folks say that a prairie dog burrows down to the water level, as that is the only way he can get a drink out of these plains."

"Hello, Yip Yip," called Chitter as he came up to the first dog he met in the village, "could I get a drink at your house?"

"Sorry," replied Yip Yip, "but I haven't a drop of water at my house and don't know of any for miles around."

"Where do you get your drinking water, then?" asked Chitter.

"Why, there is a chemical action that takes place in a prairie dog's stomach, which turns the starchy foods he eats into water, and for that reason a prairie dog can live without water for many days," replied Yip Yip.

"So there is not a word of truth in that prairie dog well legend?" asked Chitter.

"No," replied Yip Yip, "I can't say

that there is, but if you are very, very thirsty eat some of that grass over there, and perhaps it will satisfy your thirst until you are able to find water."

—Cobb X. Shinn.

To Keep You Guessing

If you like riddles you may send us one or two of your favorite ones for publication here. You may have fun reading these aloud to the family, withholding the answers; and seeing how many can guess them:

If your uncle's sister is not your aunt, what relation is she to you? Your mother.

What is it that never asks any questions but requires so many answers? The door bell.

When does a farmer act rudely toward his corn? When he pulls its ears.

What bird is rude? A mocking bird. When is a pickle not a pickle? When it is a cucumber.

What country makes you feel like an autumn morning? Chili.

What state makes the most noise? Illinois.

What country is found on the sideboard? China.

We Went Off Into the Creek

I am 11 years old and in the seventh grade. My sister has a pony named Sam. We ride him 2½ miles to school.

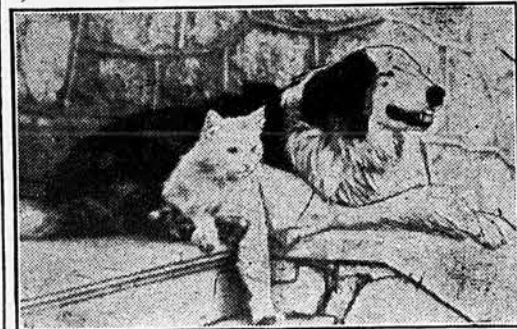
He won't let any one catch him but my sister or me. Whenever papa wants him he has to send us after him. Once my sister and I rode

him down to water. We had a stick and made him run down hill. He went so fast we went off into the



"Pals" is the Popular Name for This Picture

If you read the suggestions for naming this picture given below you will see that every one of them is a good one. But since so many boys and girls thought that "Pals" should be the name, it seems that "Pals" it ought to be. And that really is a good name for it, don't you think? Below are the names of the boys and girls suggesting titles and their suggestions.



"PALS"

Harold Hemphill: A Happy Pair; Hugh Kelsay: Friendly Enemies; Goldie Hamilton: The Cat and Dog Make Good Friends; Louise Marmon: True Comrades; Joy and Frank Sanders: Playmates and Chums; Mellard Williams: Playmates; Eunice Livesey: The Collie Dog and the Angora Cat, or Contentment; Elizabeth Karleskint: True Friends; Juanita Playmates; Margaret Newcomb: Just Pals; Elizabeth Koenigeman: Playmates; Luella Dietrick: Chums; Ralph Dietrick: Playmates; Sophia Fischer: The Agreement Between Two Friends; Clarence Dietrick: Pals; Wilma Young: Buddies, or Four-Footed Friends; Katherine Lane: Pals; Garland Lille: True Friends; Alec McCormick: Pals, or Chums, or Playmates; Chester Moore: Confidential Pals; Pearl Trego: Sympathy; Edith dora Hudson: Kind Thoughts; Mildred Nairn: Pals; Alfred Opitz: Companions; Edith Lange: Pals; Willis Castle: Pals; Margaret Drum: Old Pals; Glen Nye: Farm Companions; Edna Chester: Pals; Lydia Herogenus: The Pet Dog and Cat are Good Friends; Darlene Hundertmark: Expecting Their Little Boy; Master Home from School; Kenneth Woolf: Companions, or Associates; Bessie Baughman: Friendly Enemies; Isabelle Meng: Faithful Pals; Alice Everett: Pals; Edna Pomrenke: Friendly Enemies; or Contentment; Ina Adams: Pals; Irene Beagle: Pals; Marjorie Stockham: Old Pals, or Tired but Happy, or Recreation; Bessie Elmore: Chummy, or Pals; Threasa Copeland: True Companions, or Kitty's Guardian; Minnie Noordhoek: Pals; Donald Johnson: Friendly Enemies; Ann Lee Combs: Contentment; Bernadette Perrine: Friends; Erma Beach: Friendly Companions; Irma Zurmely: Playmates; Opal Hudson: Kindness; Mildred Gibson: Playmates; Pearl Thompson: Peaceful Friends; Bernice Wooddell: Contentment; Lois McCarral: A Happy Dog and Cat; Claude Lewis: Staunch Friends; Bernice Utting: The Peaceful Playmates; Clifford Scripter: Playmates; Florence Visser: Taking a Few Minutes' Rest; Viola Pohlman: The Pets; Ray Zimmer: Friendship; Arlene Umlammer: Peace; Margaret Schwarm: School Days are Lonesome Days for the Pets; Adrienne Harper: Pals; Fred Schwarm: Strangers Remodeled; Joseph Fenerboro: A Loving Pair; Jack Harrison: Contentment; Josephine LaVelle: Happy Puss and Rover; Willie Funakoski: The Peaceful Pals

Boys' and Girls' Auto FREE

Here's a Real Auto With a 5-Horse-Power Engine
This classy racer will do anything a full-sized car will do because it is built like a real automobile. It will even go where a big car can't go. For it has a narrow tread so you can drive anywhere—thru forest—up lanes—anywhere you could ride a bicycle. Yet you need not take the dust from anyone.

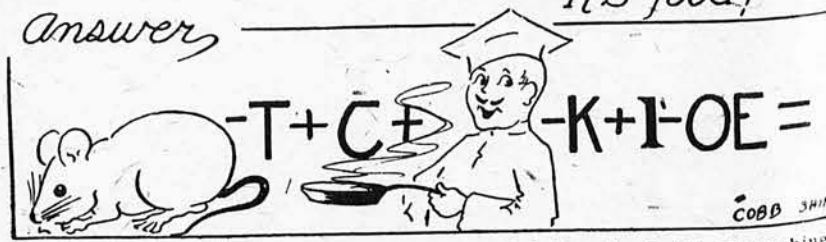
SEND NO MONEY
Just Your Name
Don't lay down magazine until you have mailed me your name and address. By doing this you will get full information by return mail telling exactly how you can get this wonderful boys' and girls' auto without it costing you one cent. Send today—quickly. Be the first in your neighborhood to have one.

This Classy Car Can Be Yours
Just look at the happy faces in this picture. Don't they look like they were ready for a real time, perhaps off on an errand for Mother or a jaunt to the postoffice? Wouldn't you like to be with them? You can own a Culver Racer if you send me your name and follow my instructions. When I tell you this auto is to be given free—I mean free—it won't cost you one cent of your own money.

DON'T SEND A CENT
All you need to do now is to rush me your name and address quick. A post card will do. Hurry if you want a free auto.

BILLY BRUCE, Mgr., Dept. 403, Topeka, Kansas

What animal has the habit of washing its food?



When you have found what animal it is which has the habit of washing its food send your answer to the Puzzle Editor, The Kansas Farmer and Mail and Breeze, Topeka, Kan. There will be a package of postcards each for the first 10 boys or girls answering correctly.

He is 17 years old, but he can run as fast as any other horse. Severy, Kan. Helen Simmons.

When the Snake Got Fooled

One night as a snake was prowling about our chicken house it spied a china egg. Thinking it had a good meal here it swallowed the egg and crept under the woodpile to sleep. But it died.



Ethel Trump. Colorado Springs, Colo.

An Odd Series of Figures

A German mathematician after careful study of the so-called magical properties of certain numbers declared some time ago that the most

caught hold of a leaf and swung all his weight on it, breaking the stem off close to the stock.

"There! Hang your thimble on that!"

No sooner had Charlie obeyed than a drop of milk fell into the thimble. "See!" exclaimed Peter.

"See what?" came a voice from behind the Teenie Weenies, which proved to be none other than that of wise Sammy Spool.

"Why, I was just showing Charlie Clothespin where he could get all the milk he wished for nothing," replied Peter.

"That's not milk. Taste it."

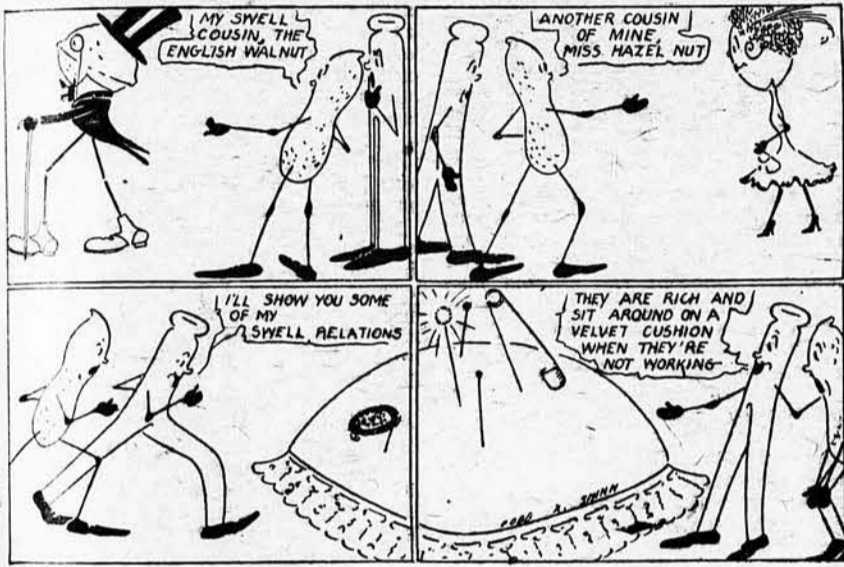
Peter reached up and took the thimble down and took a big mouthful of the milky substance, but you should have seen him spit it out.

"Jiminie Fishhooks! That tastes like acid. Oh-h, how bitter!"

"What did I tell you?" said Sammy.

"That is called milk weed, but it is not

The Teenie Weenies Introduce Their Fine Relatives



remarkable series of figures he encountered was 12,345,679. The accompanying table shows what surprising rotations of the same figures result when this number is multiplied by nine and by multiples of nine:

The Teenie Weenies Again

"Where are you going?" asked Peter Peanut. "Mother sent me down to the barnyard to see if I could get a thimble

A Brain Tester

Can you arrange these letters so as to form the name of a book much read by boys? EIOOOUBCNRRSS.

full of milk when Farmer Jones is thru milking," replied Charlie Clothespin.

"What is the use of going way down there for milk when you can get all you want right over here by the fence?"

"You will have to show me."

"All right; come along." So over by the fence went the two Teenie Weenies to a tall, stately weed. Peter Peanut ran and jumped up and

milk at all. It's only a special juice which protects the plant from its enemies. Goats and sheep and other grazing stock will not eat it because of its bitter taste. If you notice, the



milk has already dried on the place where you broke off the leaf, making a rubber-like patch over the wound, thus protecting it until it heals from the many insects that feed upon the milkweed plant.—Cobb X. Shinn.

The Quiz Corner Winners

Here are the names of the last Quiz Corner winners: Ellis Creitz, Ethel Heacock, Letha Parker, Thelma Washington, Yirgil Meyer, Anna Greenwood, Matthew Jones, Loda Noell, Opal Payne and Gertrude Warren. Watch for more Quiz Corner questions soon.

Watch for the winner in the "Where Would You Go" letters soon; also results of "How Smart Are You?"

It isn't easy to take advice—but it pays.

Farm Home Week at K. S. A. C.

FARM and Home week will be held at Kansas State Agricultural College, February 5 to February 10, 1923. Features of the program announced to date are a judging contest for the amateur championship of Kansas and a horseshoe pitching tournament open to all veteran pitchers in the state.

The department short courses and the general assemblies at which well known agriculturists speak, will be held as in former years. L. C. Williams, extension horticulturist, is in charge of programs and arrangements. Mr. Williams headed the registration committee last year and this fall had charge of the agricultural college educational exhibits at the three big state fairs.

1847 ROGERS BROS. SILVER PLATE. Advertisement for silverware featuring a large illustration of a salad fork and a scene of a woman at a table.

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Health in the Family

Rheumatism Requires Treatment by a Physician

BY DR. CHARLES H. LERRIGO

ONE of our subscribers writes that she has been a sufferer from rheumatism for more than a year. It started in her shoulders and has spread to her knees, hands, and fingers. Her sleep is disturbed at night because of the aching. She would like a bathing liniment that would relieve the distress. Fortunately we are no longer limited to the prescription of liniments for the relief of those suffering with the disease so long known as rheumatism.

We have learned that this complaint always has a focus of poisoning somewhere behind it and that the way to cure it is to clear up this focus. It may be found in different parts of the body. Quite often it is at the roots of decayed teeth, and it not infrequently happens that teeth showing no special signs of decay when subjected to the searching power of the X-Ray show unsuspected abscesses and are discovered to be at the bottom of the trouble.

The tonsils come next as the most probable seat of trouble. It is not their size that counts but their condition as to disease. If both teeth and tonsils are innocent the trouble may yet be found in some of the sinuses of the head or in an old, diseased appendix or infected gall bladder. Generally it takes a very skillful physician, making a very searching examination to locate the exact trouble but once it is found the removal of the focus of infection will clear the trouble up and nothing else will.

It is a mistake to think that diseased teeth account for all the rheumatic and arthritic pains of which people complain. Many persons, acting on this theory have had good teeth removed and have been disappointed in the absence of beneficial result. There are many sources of infection quite apart from the teeth. The poisonous agent is the collection of pus and this will be true wherever it may be located. It is absolutely imperative that it be removed for not only does it give rise to distressing aches and pains but it has a bad effect on the whole system and is especially dangerous because it attacks the heart.

Pets for Small Children

If a person keeps a cat or dog and there are small children in the family is there any danger that the animals will suck the breath of children and perhaps kill them?
RUTH S. B.

I think there is no danger whatever. However, there are certain things that need care in such a case. It is quite possible for a big cat to curl itself up on the face of a young child and cause death by suffocation. I have personal knowledge of such an occurrence. Furthermore domestic pets may carry infectious disease to young children and this is probably the greatest danger of all. I do not say that no pets should be given a child, but certainly they need watching.

Dangers of Childbirth

Would there be much danger in childbirth for a woman 42 years old who has not previously borne children?
A. M.

I once attended a woman 44 years old who had been a school teacher in single blessedness until one year before that time and whose life for several months was made very miserable because of her dread of the coming of her child. She got thru with remarkably little trouble, and it was all over in about 2 hours. This does not prove anything for any other woman but my experience in general is that if a woman is of right physique she does not have a great deal more trouble in childbirth because she is past her first youth. Any good doctor can tell you what you have to expect.

Heart Has Leaky Valve

I have been refused life insurance because of a leaky heart. I thought I was in good health. Is there any way I can get any insurance and what should I do for my heart?
H. C.

Go to a first class doctor and ask him to examine you; find out your exact condition and advise you just what work you may do and what you should leave alone. Follow this advice and you will live as long as if the leak

did not exist. You will not be able to get a full term life policy but if you are in good condition aside from the leak any good insurance company will sell you a limited policy that will see you thru the most important part of your life.

Trapping the Muskrat

BY F. E. BRIMMER

Of all the furbearers that are trapped the lowly muskrat brings the most sure profit to the trapper. Where one may take a score of rats he may not be able to take more than one mink or a single raccoon, hence the season's catch of muskrats will figure higher than any other pelts. Besides this the fur of the muskrat is becoming more and more popular each year and, disguised as it is under many market names, it proves a big seller. The fur is glossy and filled with long overhairs when prime that make up into a very beautiful fur when the art of the fur dresser is practiced upon it.

Almost anywhere you find marshes, swamps, or watercourses you will find the muskrat, and his home is in every part of the United States. During the summer he stores up wild onions and other things to eat in the winter, often building stick houses like the beaver. He often lives in burrows in the bank.

Trap the muskrat with a steel trap that will grip high up on the leg, as he seems gifted in struggling until he gets away from a poorly constructed trap that gets him only as high as his upper foot. For bait there is nothing better than a sweet apple hanging on a stick and suspended over the trap. Many times the unbaited trap will get him just as well, if you put it in his numerous runways near the water or out on the logs at the water's edge where he gets in and out of the water.

Skin the muskrat by the cased method and do not try to save the tail, as it is worthless. Stretch the skin on a board 20 inches long by 10 inches wide with the fur side in. No skin will cure more quickly than the muskrat; a week is long enough to hang it in an attic or shed, when it will be ready to ship. Pull the skin off the stretching board without turning and ship with the fur side in. As the skin of the muskrat is comparatively tender care should be taken not to cut or tear the hide in pulling it from the animal.

Trap Near Home

BY GERALD E. FERRIS

Have you ever gone fishing and thought it was better fishing from the other bank, especially if you had no means of getting across the stream? No doubt you have in a sense felt the same way about trapping. As a matter of fact you know that fish swim to all parts of the stream and animals likewise roam over large areas at night.

The country boy, especially if he lives near a wooded tract or stream, has the advantage over his city cousin. The town and city boy, if they go to the outskirts of the city to the shades of the desired animals, usually will be successful in making bountiful catches. Traps set around chicken houses and other small buildings are sure to claim their share of the season's catch. These sets may be used by both the country and town boy. Good sets may always be found in ravines and along streams. Many dens are dug in pastures and meadows.

A person would be surprised to know the number of fur bearers that are to be found in the places mentioned, any of which may be near a farmer boy's home. Now what is the use of going a great distance from home to trap when trapping is really good around one's home? Going far from home requires valuable time and if the traps must be carried it will prove to be a great inconvenience to the trapper.

In the number of acres of improved land, Kansas with 30,600,760 acres is second only to Texas.

Good Poultry Houses Pay

Chicken Comfort Will Insure More Eggs

BY A. W. FOSTER

WE THOUGHT we were making money with chickens before," said Mrs. Clyde Ramsey of White Ridge Farm in Anderson county, "but goodness, we didn't know they'd pay as well as they have for the last seven months."

After the Ramseys bought their 80-acre farm, one of the first improvements they made was to build a model poultry house. It was built according to the recommendations of the American Poultry Association and houses 300 hens. The total cost of the house, exclusive of Mr. Ramsey's time spent assisting the carpenter was \$300 or \$1 a hen. It was completed and the hens moved in the first of November, 1921.

A Satisfactory Investment

"They have almost paid that dollar apiece already, in increased production," said Mr. Ramsey when asked if they were pleased with the investment. "Up to August 15, we have averaged, since January 1, just 99 eggs a day from 200 hens. Last year, without the house we averaged 40 eggs a day from 250 hens. Up to the middle of August we received an average of \$100 a month from our eggs, baby chicks and broilers."

"Last winter when our neighbors were getting from six to 10 eggs a day, we were getting more than 100 every evening. We were told that we were overworking our hens and that we would get no eggs this spring. From the way they are still laying you can guess that our hens didn't lay down on the job this spring as predicted. Last year was the first year we have practiced any form of selective breeding, and in a few more years we hope to have a first class flock of producers."

"Last year our pullets in the new house averaged 130 eggs apiece when a year old. Formerly we figured that 80 eggs at that age was good."

Perfect Ventilation Essential

When asked about the winter care of their hens, Mrs. Ramsey said, "We keep the flock shut up all winter except on the very warmest days when the ground is dry. We did not lose a hen last winter and I believe our good fortune was due mainly to the housing they had. The main thing in the prevention of disease is proper housing, and plenty of light, ventilation and cleanliness that go with it. In the winter we keep about 8 inches of straw litter on the floor and change it every four to six weeks."

Both Mr. and Mrs. Ramsey are well pleased with the results they are obtaining from the better housing of their chickens. "We believe that proper housing is one of the chief factors of success in poultry keeping for profit, and with our increased production and freedom from disease we feel that our investment was well worth while," they said at the close of my interview with them.

Milk for Chickens

J. H. FRANSEN

Milk is an excellent feed for all the chickens on the farm, those for market and the growing chicks, as well as the layers. Skim milk and buttermilk contain the protein element in larger quantities than the grains and green feeds usually fed to chickens—an element that is needed to make the hens lay and the chicks grow rapidly.

To get the best results from skim milk, it should be fed sour, not rancid, in an open vessel which can be scoured easily and cleansed. Sour milk is more beneficial to digestion than sweet milk. Sour buttermilk is especially beneficial because of its tonic effect. This is due in large measure to the lactic acid which acts on the digestive tract as a cleanser, a destroyer of harmful bacteria, and a stimulant aiding in the digestion and assimilation of all other feeds. Many farmers report that feeding sour buttermilk has practically done away with bowel trouble in their chicks. Buttermilk is also an aid in disease prevention. It has been found that sour buttermilk plays an important part in helping to check the spread of the bacillary white diarrhea and in cutting down the death rate.

The remarkable value of sour milk in the ration fed to layers has been found in a series of experiments conducted by the Indiana Experiment Station at Purdue. The addition of sour milk to a ration composed of corn, wheat and oats increased the egg production of every pullet from 32 to 135 eggs a year.

Milk fattened poultry are in demand on the market, and usually sell at a premium. Skim milk, buttermilk, semi-solids or buttermilk powder in the ration will sweeten the flesh and make it more tender, juicy and palatable.

The modern method of fattening chickens for the market is to confine them in crates and to feed them a mixture of cornmeal, shorts, low grade flour and skim milk or buttermilk. This is mixed to the consistency of a thick batter and fed twice daily. Keeping the fowls on this ration for a few days makes a wonderful change in the flavor and quality of the meat. The practice of fattening poultry on ground feeds and milk for a few days before selling is often found to be profitable because of the better prices that can be demanded for milk fattened poultry.

Skim milk and buttermilk in any form are very desirable feeds, not only for poultry, but for hogs, and should be used whenever available.

Of the total population of Kansas, 1,151,293 persons, or 65.1 per cent, live in rural communities.

Sorghums, Sure Money Crops

We still have a few copies of Sorghums, Sure Money Crops, by T. A. Borman, on hand. This is a book of 310 pages, well bound in cloth, and would make an excellent addition to the library on your farm. It takes up a discussion of the sorghums from the Kansas viewpoint, and it is written in Kansas language. It will show you how to get higher yields, better feeding results and larger profits from these crops. The price is \$1 postpaid; address Book Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.

Despite the rapid development of gasoline motors since 1905, horses have more than held their own.

Sudan will carry more livestock to the acre than any other pasture grass grown in Kansas.

Win \$5,000

\$10,000 Bank Guarantee
Producers and Consumers Bank
PHILADELPHIA, PA.



Sam Ross Did!

19 year old Samie Ross, Hackensack, N. J., who won \$5,000 in a former Reefe Contest.

To the Public:

E. J. Reefer has deposited \$10,000 in this bank to be used in awarding all the prizes in the "C" letter contest.

This Bank guarantees that no part of this \$10,000 will be used for any purpose until all the prizes have been paid by E. J. Reefer.

Very truly yours,
PRODUCERS AND CONSUMERS BANK
by Ben J. B. Bowman, Treasurer.



Mrs. Young Got \$5,000

Mrs. B. R. Young, of Girard, Pa., another winner of a \$5,000 Reefe Contest Prize.



LARGE PICTURE SENT ON REQUEST FREE

\$10,000 in Prizes!

	If no order is sent	If a \$1 order is sent	If a \$2 order is sent	If a \$5 order is sent
1st prizes	\$50	\$250	\$600	\$5000
2nd prizes	35	100	250	1250
3rd prizes	30	60	125	500
4th prizes	25	50	75	375
5th prizes	15	35	50	250
6th to 10th prizes, each	10	25	40	100

Every prize in every column will be awarded.
40 prizes in all, totaling \$10,000 will be paid.

OBSERVE THESE RULES:

- 1—Any one excepting our employees and their relatives may enter this contest. There is no entrance fee of any kind.
- 6—For each wrong word a percentage will be deducted from the total number of correct words.
- 2—All word lists must be received through the mail by E. J. Reefer, 9th & Spruce Sts., Philadelphia, Pa. and envelopes must be postmarked by post office closing time, February 15, 1923.
- 7—Two or more people may co-operate in answering the puzzle. However, only one prize will be given to any one household or any one group.
- 3—Contestants who have sent lists or orders before February 15th will be qualified for the higher prizes provided orders are received through the mail, postmarked on or before February 28th.
- 8—You must use only one side of paper. You must number each page and object in a consecutive rotation. Your full name and address must be written on each page in the upper right hand corner. An enlarged picture will be furnished free upon request.
- 4—Only English words will be counted. Obsolete, hyphenated or compound words will not be counted. Only the singular or plural of a word may be used, but both singular and plural will not count. Each article or object can be given only one name. Single words made up of two separate words or objects, such as teaspoon, teapot, or teatime will not count. Webster's International Dictionary will be the final authority. Where several synonyms are equally applicable to an object shown in the picture, a person submitting any one of such synonyms will be given credit for one word only.
- 9—The final decision will be made by three judges entirely independent of and having no connection whatever with the E. J. Reefer Company. They will judge the answers submitted and award the prizes at the end of the contest. Each participant entering this contest agrees to accept the decision of the judges as final and conclusive, without argument or question. All answers will receive full consideration, whether or not merchandise is purchased. At the close of the contest, when all lists have been graded, the lists winning first prize and correct list determined by the judges and the names of the prize winners will be published and a copy of such list and prize winners' names and addresses will be sent upon request to any participant who sends us a self-addressed, stamped envelope.
- 10—An additional prize of not over \$600 for promptness, as specified above, will be awarded.
- 5—The largest list of words which correctly name visible objects beginning with the letter "C" will receive first prize, and so on down the list of prizes. The winning list will be made up from among the words submitted by the contestants, and not controlled by any predetermined list of words selected by the judges as being the "correct" or "master" list.
- 11—In case of ties for any prize offered, each tying contestant will receive full amount of the prize so tied for.

\$600 Extra for Promptness

Your word list may be mailed any time up to Feb. 15, but for every day before Feb. 15 that your order is received, a special prize of \$10 for each day (not exceeding \$600) will be added if you win the \$5000 prize. Send order today and word list later.

Win All You Can!

Be sure to send your orders for \$5 worth of Washing Tablets or "More Eggs" Tonic if you wish to qualify your list of words for the \$5,000 first prize and the other prizes in the 4th column of the prize list. Don't delay sending in your order. Get the extra prize for promptness. Send your order today.

Goods You Get

Either one of these products may be ordered to qualify in this contest, but combination orders will not be accepted.

"More Eggs"

A Wonderful Poultry Tonic

A scientific poultry tonic, used by half million poultry raisers with great success to increase egg production during Fall and Winter. A highly concentrated preparation. Makes rich, red blood. Helps the digestive apparatus. Sharpens the appetite and helps prepare for healthy egg production. Does not contain one particle of bran, or grit, or any filler. 100% concentrate. Contains every ingredient my vast experience tells me is needed to make a remarkable poultry tonic.

Two \$1.00 packages. Prepaid . . .	\$1	Five \$1.00 packages. Prepaid . . .	\$2	Economy size, or 20 — \$1.00 packages. Prepaid . . .	\$5
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Washing Tablets

Take all the back-breaking work out of washday. One tablet to a tub of water. Soak clothes and rinse. So simple and easy! Wash dirtiest clothes with only 15 minutes work.

Family size.	\$1	Economy size, prepaid	\$2	Jumbo size, same as 7 large \$1 packages.	\$5
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Start NOW!

Send in your order today. Think of the extra prize money for promptness! Qualify for the biggest prizes. \$50 or \$6000 — which do you want?

FREE

Everyone, sending for a large size picture will receive, fully prepaid, a sample package of a world famous, exquisitely scented, high priced Complexion Powder. Send for it today.

E. J. Reefer, Dept. 4668

9th and Spruce Streets Philadelphia, Pa.

No goods bought during this contest are subject to exchange, refund or approval. No C. O. D.

Wheat Sowing Now Finished

Farmers are Busy Husking and Cribbing Corn

BY JOHN W. WILKINSON



Kansas Farmers Believe in Power Farming and Last Year Increased the Number of Their Tractors to 21,715; in 1915 They Had Only 2,403 Machines

KANSAS farmers and stockmen are rejoicing over the pleasant weather that prevailed thruout the state during the month of October, as it cut down expenses on the farm in many ways. Pastures thus far have been good and have helped to eliminate feed bills. Much of the early sown wheat in Eastern Kansas has made a good start and will be available for grazing purposes when the regular pastures begin to fall.

But very little rain has fallen in the state during the last 10 days and more moisture is needed for wheat, alfalfa and other fall crops.

In the last weekly report of the Kansas State Board of Agriculture, J. C. Mohler, secretary of the board, says: "While rain would be welcome over all of the state, in the eastern and central sections the soil is in good condition for tilth and growing crops. In the western section, where no rain has fallen recently, growing crops are not as well off, but they are doing as well as could be expected under the unfavorable conditions that have prevailed.

Seeding Practically Completed

"Practically all the wheat is sown, and in only a few scattered localities is seeding still in progress. Allen county reports that 80 per cent of last year's acreage has been seeded this year. In the eastern section of the state, outside of Labette county, which reports a poor stand, the wheat seems to be in good condition. Some weevily wheat was planted in the southeast section. In the central section of the state, Sedgwick and Reno counties report the ground too dry, but the remainder of the correspondents in this section say the wheat is coming out to even stands. In the western section the wheat is coming up in fair order despite the dry weather and grasshoppers. Heavy dews in the western section have aided the wheat materially.

"Corn husking is well under way over the whole state. Atchison county will have a yield of from 20 to 40 bushels. More heavy frosts will benefit the corn. The grain sorghums are in the shock, and there is some threshing going on in Western Kansas.

"The fourth cutting of alfalfa has been harvested, and some Butler county farmers were fortunate enough to have a fair fifth cutting. Alfalfa is selling at from \$13 to \$14 a ton at Garden City, or from \$5 to \$6 less a ton than the Kansas City price."

Apple picking is about finished, but most of the growers are dissatisfied with the prices offered and are planning to hold their fruit for a short time in order to market the crop to better advantage. Car shortage is causing much grief to many farmers who have been anxious to ship their fruit, wheat and surplus corn.

Car Shortage Causes Distress

If the Kansas grain could be moved to markets much of the trouble thru existing "frozen" credits would be relieved and many banks now facing serious trouble could re-establish credits. While the grain car shortage was not directly responsible for closing of any of the banks which quit business recently, it is thought to have at least been a large contributing factor. At present the banking department is working with the Kansas Public Utilities Commission in an effort to provide more grain cars. Grain in many parts of Kansas has been piled on the ground on account of a lack of proper storage facilities, and if much wet weather should come a large amount of it may be seriously damaged if not entirely ruined.

Harvesting reports now coming in show that sorgo or cane seed production was greatly reduced in most places on account of the dry weather, and only a few sections report an increase. From the standpoint of amber and orange sorgo seed production the only important sections indicating a slight increase in acreage were Northwestern and Southeastern Kansas and Western Nebraska. Other sections indicated decreases ranging 10 per cent to 35 per cent. The acreage in Southwestern Kansas was reported to be about 77 per cent and the acre yield about 85 per cent of last year. Reductions in acre yield also were reported for Western Nebraska, Northeastern Kansas, and Western Oklahoma.

Farm conditions it is thought will now begin to show improvement as the strikes have been settled and as more cars have been promised and financial relief has been assured. One favorable factor is already noticeable in that farm wages are becoming lower

and this will lessen the labor expense.

The average rate of wages of male farm labor for the entire United States October 1 was \$28.97 a month with board, according to the first of a regular series of quarterly reports from 1,300 county crop reporters to the United States Department of Agriculture. The average rate for the year 1921 was \$30.14. By the month without board, the average October 1 was \$41.58, compared with \$43.32, the average for 1921. Day wages with board October 1 were \$1.57, compared with \$1.68 last year, and day wages without board were \$2.08, compared with \$2.18 in 1921.

Kansas farmers, however, have been trying to bridge over some of their labor problems by an increased use of power farming machinery. A recent report of the Kansas State Board of Agriculture shows that Kansas farmers now have 21,715 tractors as compared with 19,347 for 1921 which is an increase of 12.2 per cent. In 1915 there were only 2,403 tractors in use in Kansas and the number has been steadily increasing ever since.

County Farm Conditions

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

Anderson—The weather is too dry for wheat, which acreage is much smaller this year. There will be a good many cattle fed in this winter as there is such a difference in the price of stock and corn fed cattle. Because of the shortage of spring pigs, fewer hogs will be fattened. Everything seems to be on an up-grade to what it was a year ago. Rural market report: Corn, 75c; wheat, \$1; butterfat, 40c.—J. W. Hendrix.

Barton—A local shower last week caused a drop in the temperature. Wheat is coming up where there was sufficient moisture. Farmers who waited for a rain to germinate their seed are now sowing their wheat. Business is dull. Apples, which sell for a lower price than last year, soon will be picked. No public sales have been held recently. Stock is in satisfactory condition. Rural market report: Wheat, \$1; corn, 55c; shorts, \$1.40; oats, 47c; bran, \$18; potatoes, \$1 to \$1.25; apples, \$1.50 to \$2; butter, 35c; eggs, 28c.—A. E. Greenwald.

Brown—Corn husking has begun. The yield is below expectations as it will be only half to two-thirds as large as last year's crop. Wheat looks to be in splendid condition. The weather this fall is fine. Rural market report: Wheat, \$1.02; corn, 58c; cream, 33c; eggs, 30c; hens, 17c; springs, 15c.—A. C. Dannenberg.

Cherokee—Our first killing frost appeared October 18. Weather has been warm and farmers are almost thru seeding wheat. Some fields are up, presenting a good stand. All of the fodder crops have not been out. Rural market report: Corn, 60c; wheat, \$1; butterfat, 39c; eggs, 30c.—L. Smyres.

Cloud—Grasshoppers have damaged the early sown wheat to the extent that some farmers are contemplating re-sowing. We have had sufficient moisture since October 13 to give late sown wheat a good start and it is showing up in excellent shape. Potatoes, which are mostly dug and stored, were a fair crop. Young year's crop is smaller. There is some demand for feeding cattle. Corn is light and sells for 50c. Huskers are asking 5 cents for husking. Chickens are doing better lately and eggs bring 28c a dozen.—W. H. Plumly.

Coffey—Ideal weather prevails. Part of the county got a good shower recently but more rain is needed to sprout the late sown wheat and provide stock water. Wheat sowing is finished and the acreage is less than last year. Elevators are filled to capacity and cars are hard to get. More cattle and hogs are being fed this year. Potatoes are being shipped in for \$1 a bushel and cabbage for 2 1/2c a pound.—A. T. Stewart.

Elk—The killing frost which we recently had is causing some farmers to move their cattle from summer pastures. Early sown wheat is showing up green. The acreage sown for next year's crop is smaller. The last cutting of alfalfa was light. Some corn is now being cribbed. Public sales are numerous and prices received are unsatisfactory. Stock shipping is greatly retarded by the failure of railroads to furnish the cars.—D. W. Lockhart.

Douglas—Wheat looks fine, as we have had plenty of moisture and just enough

frost to make it stool well. The acreage is about the same as last year. Alfalfa is being sown where potatoes were grown this spring. Some potatoes remain to be dug. Corn is not as good a crop as it was last year. Hogs and cattle are being extensively fed. Roughness is plentiful and pastures are good. Rural market report: Wheat, \$1; old corn, 85c; new corn, 55c; oats, 35c; cattle, \$10 to \$10.50; hogs, \$8 to \$9; hens, 18c; broilers, 20c; butter, 43c; eggs, 35c.—Mrs. O. L. Cox.

Hamilton—We have had no rain for 75 days and the ground is very dry. Wheat is not coming up and if it would rain and the ground wouldn't freeze more wheat would be sown. As yet there has been but one freeze and the weather is ideal. Farmers and stockmen will have plenty of feed unless the winter is exceptionally hard. All kinds of livestock are in splendid condition. Milk cows and large roan mares bring good prices at public sales. More hogs and cattle are being fed than were fed last year. Rural market report: Broom corn, \$1 to \$2.25 a ton; wheat, 90c to \$1.10; kafir, \$1.45 cwt.; cream, 32c; eggs, 30c; butter, 40c; hens, 18c; frays, 25c; hogs, \$7.—W. H. Brown.

Harvey—We have had several frosts and some slight freezes. A good soaking rain is needed for the wheat that is up. The last cutting of alfalfa did not amount to much. Corn, which is being husked, is yielding from 20 to 30 bushels. Rural market report: Wheat, \$1; oats, 50c; eggs, 28c; butter, 35c; potatoes, 90c; apples, \$1.50.—H. W. Prouty.

Haskell—We have had no rain of any consequence since last July. Pastures are very poor. So far a wheat acreage about half the size sown last year has been planted but more would be drilled if rain would come soon. Many farmers are reporting the early wheat being eaten by a worm. But few cattle are being fed. About the usual number of hogs are being fattened. There is not much sale for horses and cattle. Rural market report: Wheat, 95c; corn, 56c; eggs, 30c; butterfat, 32c.—F. A. Sovereign and H. E. Tegarden.

Hodgeman—The unusually dry fall has prevented the wheat from showing any growth. The sorghum crops are excellent. Many cattle will be fed this winter. There is no wheat pasture yet. The wheat acreage is less this year than last. Car shortage is holding up the marketing of wheat. Very few public sales are being held. All horses are cheap. Rural market report: Wheat, 90c; corn, 55c; kafir, 80c; barley, 40c; butterfat, 31c; hogs, \$7.—Lisson Reed.

Jewell—Corn, which is being husked, is yielding from 10 to 20 bushels an acre. Feeders are paying from 35c to 40c for corn. The ground is very dry and some of the early sown wheat is dying. A few farmers are re-sowing their wheat. Hogs are the only things that sell for what they are worth at public sales. Rural market report: Wheat, 94c; oats, 25c; barley, 40c; hogs, \$8; cream, 34c; eggs, 30c.—U. S. Godding.

Kearny—The wheat acreage has been increased in this county but owing to the drought it is not in very good condition. The amount of livestock to be fattened will be small. Butterfat is worth 32c.—Cecil Long.

Lane—Most of the wheat has been marketed and the elevators are full with no cars to ship their grain. We have had a killing frost but no rain. Stock is still doing well on pastures altho the grass is getting short. Rural market report: Wheat, 95c; butterfat, 32c; eggs, 26c; corn, 66c.—S. F. Dickinson.

Lyon—The weather and roads are fine. Wheat is in splendid condition. The acreage is about three-fourths as large as last year. Many fields of alfalfa are being sown. Farmers are buying more cattle and hogs to feed. Orchards are being planted. All livestock is in excellent order. Rural market report: Wheat, 98c, for test 58c; corn, 70c; eggs, 33c; butter, 30c.—E. R. Griffith.

Marion—Wheat sowing is nearly finished and the wheat acreage has been decreased. Many hogs especially, and cattle are being fed. Roughness is plentiful. There is good demand for milk cows.—G. H. Dyck.

Nemaha—We are having remarkably fine weather for corn husking. Owing to the dry fall the wheat acreage will be about half as large as last year. Much wheat that has been sown has not yet sprouted. Feeders are being shipped in and more feeding will be done this year than has been done in several years.—A. M. McCord.

Neosho and Wilson—Kafir, which was the best paying crop this year, has about all been cut. Wheat is up and in splendid condition. The corn that has been husked is of a poor quality. Many hogs and some fat cattle are being shipped to market. The ground is too dry to fall plow. Rural market report: Corn, 62c; oats, 35c; butter, 35c; eggs, 34c; kafir, 85c; flax, \$1.90; hay, \$6 to \$8; apples, \$1.25 to \$1.50; potatoes, \$1. There is no sale for horses.—Adolph Anderson.

Norton—Altho the condition of the wheat is unsatisfactory, because we have had no rain since August 4, the acreage is about the same as last year. Twenty per cent more hogs and cattle are being fed this year

than last. Corn shucking has begun. The yield will be uneven but the prospects for a fair price are excellent. A rain before the 15th of November will be very beneficial to the wheat.—Sam Teaford.

Osage—The weather is fine but farmers are too busy with other work to do any fall plowing. Wheat is looking fine but 25 per cent less was sown than last year because of the low price and chinch bugs. More sales than usual are being held and cattle, especially dairy cows, and hogs bring satisfactory prices. Owing to the scarcity and the high price of corn, but few steers will be fed. Corn has been higher here all summer than it was in Kansas City. Rural market report: Corn, 70c to 85c; cream, 35c; eggs, 28c.—H. L. Ferris.

Reno—The weather has been ideal and we recently had a soaking rain which was needed badly for the sprouting grain. Most of the drilling has been finished. All kinds of livestock are in splendid condition. A few farmers are busy putting up hay. The products we have to sell bring very low prices while those we must buy are sky-high. Wheat is \$1 a bushel but the elevators have received no cars to ship it.—D. Engelhart.

Stafford—Recent light showers have fallen over the county in general. Wheat sowing is finished and some fields are being pastured, while others aren't up. A large crowd attended the Stafford Stock Show, indicating more interest in livestock. Rural market report: Wheat, \$1; corn, 50c to 60c; cream, 32c; eggs, 32c; butter, 30c. Apples are plentiful but their sale is slow.—H. A. Kachelman.

Wabunsee—We are having splendid fall weather. Wheat is looking fine. The wheat acreage sown this fall was decreased about one-fourth. Many hogs and cattle are being fed this fall. Cribbing of corn has begun. The kernels have been made light by the bugs. The kafir crop was satisfactory. Rural market report: Wheat, 98c; corn, 50c; eggs, 30c.—G. W. Hartner.

Washington—A much needed rain fell October 13. Wheat is coming up but will need more moisture. Farmers are busy husking corn and doing other odd jobs in preparation for winter. Rural market report: Wheat, \$1.05; corn, 57c; butterfat, 35c; eggs, 31c; hens, 16c; springs, 15c; potatoes, 85c.—Ralph B. Cole.

Wichita—The weather the last three weeks has been fine for farmers putting up feed. Corn husking has begun. Corn is making about 15 bushels an acre. Many hogs will be fed this season. Cattle are in excellent condition for winter. All the wheat has been drilled but a good rain is needed to put it in the best of order. Rural market report: Apples, \$1 to \$1.50; potatoes, 95c to \$1; wheat, 95c; good barley, 40c.—E. W. White.

Woodson—The weather has been cool and windy accompanied with several heavy frosts. Some wheat is yet being sown while other fields are nice and green. Kafir is nearly all in the shock. Pastures are still in satisfactory condition and livestock is doing well. The Irish potato crop was a failure this year. Feed is plentiful. Very few public sales are being held. Hogs are scarce.—E. F. Opperman.

Colorado Crop Report

Colorado this year has approximately 5,713,651 acres under cultivation, according to assessors' reports, as compared with 5,357,784 acres last year. This is an increase of more than 6 per cent.

The number of farms reporting this year is 54,667 as compared with 52,245 last year. The actual increase in farms being operated is smaller than these figures indicate, since reports are more complete this year than last.

The average number of acres under cultivation a farm is 104.52 acres as compared with 101.99 acres in 1920. The steady increase in the average number of acres cultivated on each farm in the state is due to the large increase in the number of non-irrigated farms being operated, all of which are larger in size and have larger acreages under cultivation than the irrigated farms. Many Eastern Colorado farms have 1,000 acres or more apiece under cultivation this year.

Some idea of local conditions of the crops and the farm situation in Colorado may be gathered from the following county crop reports from special correspondents of this paper:

Otero—Delivery of sugar beets is at its height. All melons except a few Honeydews have been marketed. Practically all seed cucumbers have been threshed and the seed is now being washed and dried for the market. Feeders are getting their cattle into feed lots and securing hay and beet pulp.—J. A. Heatwole.

Morgan—In Northeastern Colorado no county has made a better record in agricultural systems help to water our crops and help to make us less dependent on the weather man. However, the crops under dry farming are equal to those of any other part of Colorado. Car shortage is our worst drawback.—F. M. C.

Weld—The crops under irrigation are good. The hot weather during the summer injured the apple crop somewhat, but there will be a large yield of peaches and pears. Early fruit is ready to ship.—George Rand.

Salt a Luxury in Mexico

Common refined salt is such a luxury in Mexico that only a very small proportion of the people can afford it, says Consul General C. I. Dawson of Mexico City in a statement received by the United States Department of Commerce. The poorer classes, constituting approximately 80 per cent of the population, use a native salt which is very coarse and unrefined. The people buy this grade of salt and grind it in their own homes.

Milk Producers Meet Soon

Dairymen Go To Springfield, Mass., November 9-10

BY J. H. FRANSDEN

THE sixth annual meeting of the National Milk Producers' Federation will be held in Springfield, Mass., November 9 to November 10. This announcement was made by Charles W. Holman, executive secretary, following action of the Milk Producers' Federation's Executive Committee meeting in Chicago. Mr. Holman stated that the Springfield meeting promises to be the banner meeting in the history of the Federation. A program of interest, both to producers and consumers, is being prepared. Among the subjects which will be considered are: Ways and means of cutting the cost of milk distribution; wider markets for milk products; transportation questions, such as the motor truck versus the railway in hauling milk; the effect of the tariff on the dairy industry; and the campaign to rid the country of "oiled" milk. This latter will be one of the features of the convention. Not only will the Voigt bill be discussed, but plans will be set in motion for the passage of uniform state laws in every

Dairy Statistics, the United States comes exactly in the middle, with five higher and five lower, Sweden and Denmark being at the top of the list. The lowest is Italy, with a consumption of only 4 gallons of whole milk per capita a year; and next comes Great Britain with 22 gallons, or about half as much as our own country.

Milk Substitutes for Calves

A correspondent writes: "I have an opportunity to buy some Holstein calves at a very reasonable price. We are getting a very small amount of milk at the present time. Can you suggest a feed that would take the place of milk?"

Whole milk is the natural feed for young calves, and contains the elements necessary for their maintenance and growth. In successful calf raising, it is considered best to feed whole milk for at least three weeks. One pound of milk daily for every 8 pounds of live weight of the calf is sufficient. There are on the market a number of preparations which are termed milk substitutes. They are usually made up in the form of meals which are to be mixed with hot water and then diluted with milk or water before feeding. Such feeds are very satisfactory substitutes for grain, but they cannot entirely take the place of milk. Some calf meals, however, contain powdered milk, and thus carry some of the growth promoting factors. As a rule, calf meal should not be fed until the calf is able to eat some grain, which will be at the age of about 3 weeks. At that time, calf meal may be fed in addition to other feeds.

There are a number of very good calf meals on the market, nearly all of which are giving good results when fed as directed. A calf meal which is recommended by the Purdue Experiment Station may be prepared by mixing equal parts by weight of linseed oilmeal, hominy meal, red dog flour and blood meal. The meal is fed in the form of a gruel, which is mixed with milk. To make the gruel, pour hot water over the meal, while stirring vigorously, and then permit the mixture to stand a few hours before feeding. An amount of gruel equivalent to from 3 to 4 ounces of the dry meal may be fed when the animal is from 3 to 4 weeks old, and the amount gradually increased until 1 pound of meal is being fed when 60 days old.

Grain is usually a cheaper food than whole milk; hence calves should be taught to eat grain at as early an age as possible. A small quantity may be sifted into the bucket or placed in the calf's mouth immediately after feeding milk and the calf thus encouraged to eat. Calves less than a month old will eat grain more readily if it is finely ground, but older calves usually prefer coarse feeds such as whole oats and cracked corn. Suitable grain mixtures are ground corn 10 parts by weight, oats 50 parts, wheat bran 30 parts, and linseed oilmeal 30 parts, or the above feeds mixed in equal parts by weight.

Counting only 1 bushel to the acre, the amount of wheat needed to seed the Kansas acreage for the crop of 1922 was 12,290,858 bushels, which is more than the whole wheat crop in any one of 29 of the 48 states.

Free Dairy Service

Have you any dairy problems which are causing you trouble? Would you like any information on breeding, feeding, housing or general care? Perhaps you desire some information on dairy records, or in regard to some of the leaders in the dairy world. If so address J. H. Frandsen, Dairy Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan. This service is free.

Important dairy and industrial state to protect the public from this growing menace.

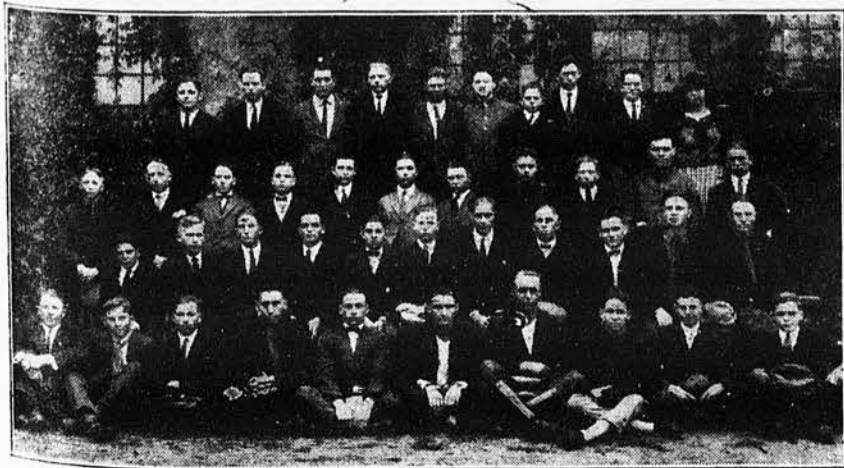
A matter of particular interest to many will be the session devoted to pooling. Within the past years co-operative milk marketing has undergone a notable evolution. Several of the most important milk producers' associations have completely reorganized themselves on the basis of pooling the price received by farmers for their milk. Under the pooling plan every farmer will receive the same price for his milk as every other farmer within a given district, subject only to differentials such as distance from town, grade and country.

Consumption of Dairy Products

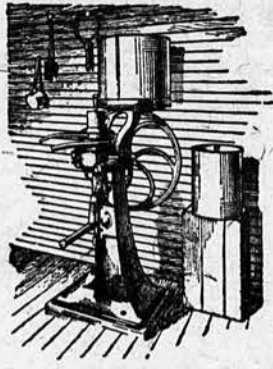
The United States is one of the largest milk, butter, and cheese producing nations in the world, according to the United States Department of Agriculture, altho it is not one of the largest exporting countries in any one of these three products, nor are Americans great eaters of dairy products.

Sweden, which has only one-eighth of our population, and only one-fourteenth of our cows, uses 69 gallons of whole milk per capita; and Denmark, with about three-fourths as many cows, uses 68 gallons; while the United States uses only 43 gallons.

Not all countries use so much as Sweden and Denmark. Of 11 countries whose per capita consumption of whole milk is given in the new Handbook of



Junior Dairy Cattle Judges from 14 States Composed of Winning Teams at State Fairs Who Competed for Honors at the National Dairy Show Recently



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The old De Laval Cream Separator shown above is owned by Mr. Geo. D. Caney of Richfield Springs, N. Y. It has been used every day for over twenty years and is still doing good work.

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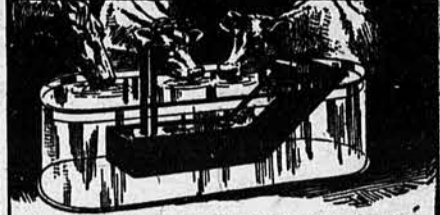
Prize winners in each state will be announced in due course.

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Can You Solve This Puzzle?

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What is the name of this doll? Fill in the blank spaces above and complete the doll's name. It's easy. When you have filled in the blank spaces write Aunt Alice and tell her what the name of this doll is, and she will tell you how you can get one of these big dolls, over 15 inches tall, with real wavy hair, rosy lips and big, wide-awake blue eyes. It is not a cloth doll to be stuffed, but a real doll, wearing a beautiful Bibermer Dress neatly trimmed, with white collar and cuffs, a pair of white socks and shiny black slippers. It is a doll that any little girl would enjoy making dresses for. Be the first one in your neighborhood to get one of these lovely dolls. Any girl who has received a Capper Doll will tell you how beautiful they are.

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Business and Markets



By John W. Samuels

DURING the war our problem was to speed up production of farm crops and practically all manufactured products to meet the increased demands put upon us by foreign nations who were spending their energies in war. Now conditions have changed and it is evident to every one that a readjustment must be made without delay.

The farmer today according to Dr. Henry C. Taylor, Chief of the United States Bureau of Economics is not confronted with the problem of speeding up to increase production, but on the contrary his problem is that of reducing expenses and adjusting his production to a market which is not taking his crops at a price that enables him to buy the things he needs.

"In recent months," says Doctor Taylor, "the increased cost of transferring farm products from one part of the country to another and the increased cost of shipping manufactured products to the farming district has greatly discouraged commercial agriculture. A year ago we believed that either farm prices would rise or the cost of transportation and the prices of manufactured products would fall so that the farmer's purchasing power would be re-established. This has not come to pass, and the farmers must give serious thought to the question of adjusting production to the changed demands of the market. Farmers should produce more for home use, and produce less for the market, produce better quality, and market only high quality products."

Business Improvement Seen

However, considerable optimism is reflected in the recent report of the Tenth Federal Reserve District Bank and a general condition of improvement is shown. Expansion in industrial and trade activity and a slight rally in prices of farm products marked the end of the third quarter of 1922 and the beginning of the fourth quarter in the Tenth Federal Reserve District.

Resumption of coal mining operations in September at a rate closely approximating the highest peaks of former years has greatly stimulated other lines of production and business. However, the car shortage, which has dominated the situation in the Southwest during the summer and autumn, is still a retarding factor, due to pressure for coal distribution and an apparent lack of equipment to enable the railroads to handle the vastly increased freight traffic offered.

Peaks For the New Year

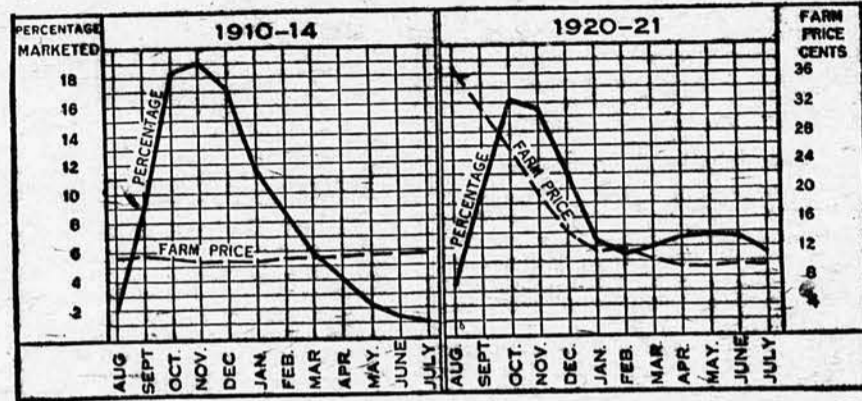
Just what progress has been made recently toward a great revival of industrial and trade activity may be judged by the reports of the financial activities of the banks in the Tenth Federal Bank District. Taking the showing made by 79 selected member banks as a sample of the activities of all banks in the district, it is evident that continued increases in recent weeks have brought the totals of several principal resources and liability items to new peaks for the year—in certain instances the highest of record. To illustrate, the statements of these 79 selected member banks to the Federal Reserve Bank as of October 4, 1922, disclosed new records as follows: Loans and discounts, total \$427,711,000; the largest total reported in any week since December 14, 1921.

Gross Deposits Highest Ever

Investments, total \$147,474,000; a new peak for records extending back thru 1922 and 1921. Combined loans and discounts, and investments, total \$575,185,000; the highest of record. Reserve balances, total \$40,874,000; exceeded only twice (September 6 and June 21, 1922) since January 7, 1921 when they were \$49,931,000. Gross deposits, total \$576,294,000; the highest of record.

Eastern Financiers Optimistic

The National Bank of Commerce of New York City in its November Monthly Review says:



Average Monthly Prices of Cotton a Pound from 1910 to 1914 and from 1920 to 1921. The Active Movement of Cotton Strengthens Other Markets

"Business is better, and there is a growing undertone of confidence which approaches optimism. Physical evidence is loadings of revenue freight now near their record levels.

"Considering the country as a whole, retail and wholesale trade probably are better than a year ago, but conditions vary a good deal in the different localities.

In the cotton states, where the crop is moving rapidly, notable improvement has taken place. Trade is also showing marked activity in the industrial towns and cities of the East and the upper Mississippi Valley, as a result of full employment at rising wages, but there is much doubt as to how good demand will be in those regions where trade is primarily dependent on conditions in the grain-growing and livestock industries."

Livestock Prices Slump

Stockmen this week however were disgruntled by the turn the market took. Excessive supplies were dumped on all terminal points this week. The soaring cattle market was checked when all the Western shipping centers were deluged with beef steers. The bear drive on hogs was resumed again with vengeance and if receipts continue at the present rate packers will have their own way with little opposition.

Livestock prices at Kansas City this week came in for a general decline, except fat sheep, and calves, and they held steady. No prime cattle arrived, and they too would have brought steady prices had any been available. Other classes of cattle ruled 15 to 40 cents, lower, the most decline being in steers warmed up on grain from grass, and the medium classes of stockers and feeders. Hogs fell below the 9-cent level and recorded a new low point since January. Fat lambs declined 25 cents from the highest level of last week.

Receipts this week were 83,280 cattle, 19,300 calves, 47,575 hogs and 39,190 sheep as compared with 76,450 cattle, 25,075 calves, 51,060 hogs, and 44,300 sheep as compared with 61,800 cattle, 19,300 calves, 39,550 hogs, and 32,785 sheep a year ago.

Beef Cattle Reported Steady

Only a small per cent of the cattle received this week showed any amount of grain fat, and they sold readily at steady prices. About a half dozen loads sold at \$10.65 to \$11.40. Full fed steers, showing prime finish were entirely lacking, and they would have sold up to the \$13.25 top established last week had they been available. A large number of steers that had been warmed up from grass fat brought \$8.25 to \$10.50, while straight grass fat steers sold up to \$9.50. Medium half fat steers at \$5.50 to \$6.50 predominated, and sold lower than last week. "Canner" cows declined 25 to 50 cents, and fat cows and heifers 25 cents. Choice light weight veal calves were steady, and the heavier grades 25 to 50 cents lower.

Strictly choice stockers, feeders and stock calves held steady. All other kinds were lower. The common classes were slow sale. Most of the thin cattle came from the Southwest. Some of them were from drouth sections.

With another 10 cent decline, the hog market underwent a general break during the week that took quotations well under the 9-cent level and to the lowest position since January. The break was expected, but it did not develop the proportions many persons had looked for and it is not unlikely that the 8-cent quotation will be maintained up to early December. The top price was \$3.50 and bulk of sales went at \$2.25 to \$2.45.

Lamb prices broke 25 cents in the last few days, tho the general market maintained a healthy tone. On the close choice to prime Western lambs are quoted at \$14 to \$14.25, and natives \$13.50 to \$13.85. Fat sheep ruled higher, ewes sold up to \$6.75, wethers \$8 and yearlings \$11.

Horses and Mules Quiet

Trade in horses and mules remained quiet. There was a good outlet for the better kinds, but the plainer classes were hard to sell.

The following quotations on horses are given in Kansas City this week: Drafters, weighing 1,500 to 1,700 pounds, \$100 to \$140 apiece; fair to good drafters, \$80 to \$100; good chunks, \$60 to \$125; medium chunks, \$50 to \$85; fancy drivers, \$100 to \$175; good to medium drivers, \$65 to \$100; extra to good Southerners, \$75 to \$100.

The following prices are quoted on good work mules, 4 to 7 years old: Mules, 13½ to 14 hands high, \$40 to \$85; 14 to 14½ hands, \$65 to \$85; 15 to 15½ hands, \$85 to \$125; 15½ to 16 hands, \$100 to \$140; extra big mules, \$125 to \$150.

Hides and Wool Unchanged

But little change is reported in prices of hides and wool at Kansas City. The following quotations are reported this week:

No. 1 hides, 13½c; No. 2 hides, 12½c; side brands, 10 to 11c; bull hides, 10 to 10½c; green glue, 5 to 6c; dry flint, 15 to 17c; horse hides, \$3.50 to \$5 apiece; pony hides, \$1.25 to \$2.50 apiece.

The following quotations are given on wool:

Kansas, Oklahoma and Nebraska bright medium wool, 28c a pound; dark medium, 25c; light fine, 30 to 32c; heavy fine, 20 to 25c; Colorado, New Mexico, Utah and Texas light fine good staple, 30 to 35c.

Dairy and Poultry Products

Dairy and poultry products this week show substantial advances. Creamery butter and butterfat also are higher and additional advances are expected. The following quotations are given at Kansas City this week on dairy products:

Butter—Creamery, extra in cartons, 44 to 45c a pound; packing butter, 25c; butterfat, 40c.

Cheese—Longhorn, 27¼c a pound; Limburger, 21c; Daisies, 23c; Flats, 28¼c; Prints, 27¼c; Brick, 27c; imported Roquefort, 54c; imported Swiss 49c; domestic Swiss, 26 to 38c.

The following sales of poultry and poultry products are reported at Kansas City:

Live Poultry—Hens, weighing 4 pounds or more, 18c; those weighing less than 4 pounds, 12c; broilers, 20c;

spring, 14 to 15c; roosters, 9c; turkeys, 30c; old toms, 25c; geese, 13c; ducks, 18c.

Eggs—Firsts, 33c a dozen; seconds, 24c; selected case lots, 44c; storage, 32 to 34c.

Grain Prices Stage a Rally

Grain prices under the influence of an increased export demand, reduced receipts, and unfavorable crop reports about the condition of the new wheat crop staged a comeback and a rally of considerable strength followed. Car shortage hampered the free movement of grain and this also tended to make prices advance.

December wheat advanced 3¼ to 4¼ cents; May wheat, 1 cent to 1½ cents; and July wheat ¼ to 1 cent. Corn futures reacted with wheat, December corn gained from 1 cent to 1½ cents. Gains for later months ranged from ½ to ¾ cent.

The following quotations on grain futures are given at Kansas City: December wheat, \$1.07½; May wheat, \$1.06½; July wheat, 95½c; December corn, 64½c; May corn, 65c; July corn, 65c.

Late Cash Quotations

The car shortage has somewhat curtailed the shipment of wheat and receipts have been somewhat restricted. Demand is fair and prices remain unchanged. The following sales are reported:

No. 1 dark hard wheat, \$1.18 to \$1.23; No. 2 dark hard, \$1.17 to \$1.23; No. 4 dark hard, \$1.15 to \$1.21.

No. 1 hard wheat, \$1.16 to \$1.21; No. 2 hard, \$1.15 to \$1.21; No. 5 hard, \$1 to \$1.13. No. 2 yellow hard, \$1.14; No. 3 yellow hard, \$1.13; No. 5 yellow hard, \$1.05 to \$1.09. No. 1 red wheat, \$1.20 to \$1.21; No. 2 red, \$1.18 to \$1.19; No. 3 red, \$1.20 to \$1.21; No. 2 red, \$1.18 to \$1.19; No. 3 red, \$1.12 to \$1.18; No. 4 red, \$1.04 to \$1.07; No. 5 red, \$1.06. No. 3 mixed wheat, \$1.11 to \$1.14; No. 4 mixed, \$1.08 to \$1.15; No. 5 mixed, \$1.07 to \$1.08.

Corn and Other Cereals

Corn this week is quoted unchanged to 1¼ cents lower. Oats are unchanged while kafir and milo are down 3 to 5 cents.

The following sales are reported at Kansas City:

No. 2 white corn, 73c a bushel; No. 3 white, 72½c; No. 4 white, 72c; No. 2 yellow corn, 74½c; No. 3 yellow 74c; No. 4 yellow, 73½c; No. 2 mixed corn, 72½c; No. 3 mixed, 72c; No. 4 mixed, 71½c.

No. 2 white oats, 46 to 46¼c; No. 3 white, 44½ to 45½c; No. 2 red oats, 55 to 60c; No. 3 red, 54 to 59c; No. 4 red, 40 to 50c.

No. 2 white kafir, \$1.67 to \$1.70; No. 3 white, \$1.65 to \$1.67; No. 4 white, \$1.64 to \$1.65; No. 2 milo, \$1.75; No. 3 milo, \$1.73 to \$1.74½; No. 4 milo, \$1.72.

Hay and Millfeeds

Hay prices remain practically unchanged at Kansas City. The following quotations are reported:

Extra selected dairy alfalfa hay, \$26 to \$27 a ton; choice alfalfa, \$24.50 to \$25.50; No. 1 alfalfa, \$23 to \$24; standard alfalfa, \$19.50 to \$22.50; No. 2 alfalfa, \$17 to \$19; No. 3 alfalfa, \$14.50 to \$16.50.

No. 1 prairie hay, \$14 to \$15.50; No. 2 prairie, \$13.50 to \$14.50; No. 3 prairie, \$10.50 to \$13; packing hay, \$8.50 to \$10.

No. 1 timothy hay, \$15 to \$16; standard timothy, \$13.50 to \$14.50; No. 2 timothy, \$12 to \$13; No. 3 timothy, \$9.50 to \$11.50.

Light mixed clover, \$14.50 to \$15.50; No. 1 mixed clover, \$12.50 to \$14; No. 2 mixed clover, \$9.50 to \$12.

Millfeeds are in stronger demand now on account of the dry weather that prevailed thruout the West and South during the greater part of October and prices are advancing. The following quotations are given in Kansas City:

Bran in sacks, \$1.10 to \$1.15 a

(Continued on Page 31)

Make Trapping Plans Now

Careful Study of Animal Habits is Necessary

BY A. R. HARDING

TRAPPERS who have little knowledge of fur bearers find it difficult to distinguish between dens used by rabbits and other animals. Rabbit hairs are short and of a grayish color. Skunk hairs are long, several inches if out of the tail, and usually black on one end and white on the other. Mink, 'coon and opossum do not show hair signs at dens to any great extent. Dung at one side of the den, showing wings of insects, is that of skunk; if showing seeds of pokeberry, persimmon and pawpaw, it may be the droppings of skunk, 'coon or opossum; that showing wads of fur and hair may be that of almost any fur bearer other than muskrat and beaver.

Droppings near dens is an excellent sign that fur animals are living near—perhaps in the closest den. If the den is in the open field, or no large woods near, the animal probably is skunk; if in the thickets or woods probably skunk or opossum; if along a stream perhaps mink or 'coon.

The No. 1 trap, of almost any make, will hold almost any of the small fur bearing animals, if properly fastened. A good fastening is to a brush, say an inch in diameter and several feet long, with numerous branches. The chain can be run thru the ring and looped above a branch or the staple driven near the large end. An animal when caught cannot get a solid pull—the brush will give—so is not so likely to get away as if the trap were fastened solidly.

A Stake Often a Mistake

Staking traps, driving a stake thru the ring, is one of the most common mistakes of beginners when trapping for land animals such as skunk and opossum. Traps thus fastened allow the animal a solid pull and in time are likely to get free.

Skunk and opossum are two very stupid animals and traps set without being covered often make catches. All traps, however should be covered, for there is no telling what animal may chance along and if the trap is properly set and covered a catch may be made. Foxes have been caught by skunk trappers as well as mink, raccoon and other fur animals.

The trap should be set just far enough in the den so that dogs will not get caught, and also out of the way of stock. Remove the earth so that the trap when carefully covered will be level with the balance of the surroundings. Place the fastening back as far as the length of the chain will permit. This is done so that when a catch is made it is not so likely to get into the den, but nine times in ten will pull the brush away. If the mouth of the den contains leaves, cover the trap with leaves; if containing grass, use grass. Do not get the covering too heavy—just enough to conceal the trap. In setting the trap, turn the spring slightly to one side, so that the animal will not step on the spring.

Dens that show hair and dropping signs, as a rule, are among the very best of sets. If the game is still living there, and the nights are favorable for its moving, chances are good for a catch. In many parts of the country

trappers do not use any bait or scent at such sets. In the Central and Southern parts of the country fur bearers usually find sufficient food, so sets blind—without bait—are very successful. In the North where food is harder to get, bait sets are in more general use.

In setting traps, as well as in looking at them after the set is made, care must be taken that as little disturbance as possible is made. If there is much disturbance, such as ground tracked up, leaves moved, entrance to the den partly blocked, the game may become suspicious. If the den is too large, it may be made smaller by pushing a stick or two into the earth just beyond where the trap is set. These sets are largely for land animals and away from water.

The Mink a Wanderer

There are several good sets for mink and 'coon in and near the water. If either mink or 'coon, or both, are using a small stream, a few feet wide, an excellent set can be made by driving stakes close together, leaving an opening of a few inches where the trap is set. The trap should be about No. 1½ of the long spring type and No. 2 of the Blake & Lamb or "jump" kind. Another likely place is under old roots and overhanging banks. Places where the banks are steep, with a few inches near the shore showing tracks, also are good. A rock, chunk or stakes so driven as to guide the game into the trap, add to the effectiveness of a catch.

Mink, especially the males, are great wanderers. They often travel miles in a night. Mink seek the outlets of tiles, and where tile ditches empty into streams are ideal places to catch this animal. The trap should be set in about 2 inches of water. It should be covered, but if the running water is so swift that this is impossible make the set anyway.

Dens along the bank of streams, lakes and ponds always are good chances for mink. Muskrat and other dens near water usually are explored by passing mink, and traps set at dens evidently abandoned make catches. The nature of the mink seems to be to explore all dens. I have known trappers, before the trapping season, to dig dens just at the water's edge and set there when furs became prime. These dens were only about 18 inches deep, yet they did the work. Other catches have been made around old drift piles. Bait here can be used to advantage. Fresh rabbit is very good. Make a pen about 16 inches deep and 6 wide, fasten bait at the back and set the trap at the entrance. The top should be covered over, as with some other sets.

The United States Census of 1920 says: "Kansas has 111,055 automobiles and 165,286 farms; Missouri 86,229 automobiles and 263,004 farms; and Oklahoma 52,063 automobiles and 191,988 farms."

Government reports show that this acreage is greater than all improved land in New Hampshire, Massachusetts, Connecticut, Delaware, Arizona or Nevada.

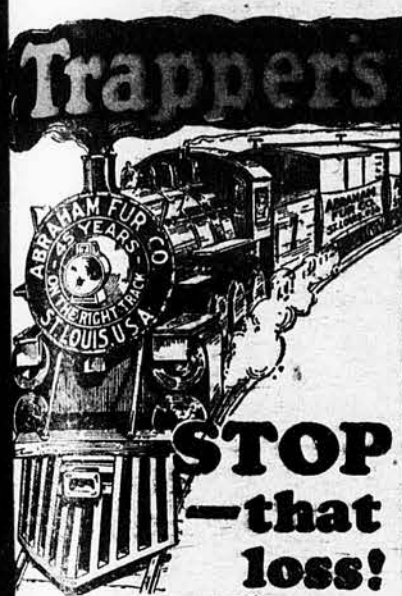
Farms Must Yield a Profit

IF AGRICULTURE does not yield a profit comparable to other pursuits, then agriculture will suffer a breakdown and the best young men will leave it for more attractive offers in the city. The ruination of great civilization came when agriculture failed to be lucrative and was neglected for enterprises more alluring, said Henry C. Wallace, secretary of agriculture, in an address recently at Wichita.

"We passed an emergency tariff to protect the farmer here from the big supply of wool, meat and grain which was stored in European countries.

"The bill, which Senator Capper sponsored, gives the secretary of agriculture power to investigate the packers, the stockyards and livestock commission merchants. We now have resident supervisors in all the large livestock markets of the country who have done much to prevent gouging of the farmer and who have made of the livestock centers a much better marketing place for his cattle.

"The Capper-Tincher bill also improves grain marketing conditions for the producer. It permits legitimate speculation in grain, but prevents market manipulation and a consequent reduction in prices without good economic reasons."



Several millions of dollars are lost by trappers and country fur buyers every fur season on account of improper handling and marketing of furs—these are costly errors and strike the pocket-books of every man and boy that handles furs.

The management of the Abraham Fur Company have made a close study of this problem and are ready to lay the result of this analysis before the trappers and fur buyers of North America, absolutely free of charge. Write today and it will be sent to you by return mail.

The House That Pays Most Money For Furs
Abraham
Wants Your Furs!

The greatest fur season in history is about to open. We have advance orders on our books for fresh furs that enables us to pay shippers Premium Price for immediate shipments.

Our returns for good blue pelts of all kinds will be a pleasant surprise to you.

We have closed out all last season's furs at tremendously high prices and are ready to replace them with your fresh stock on this same basis—Ship all you have AT ONCE.

Raccoon
WANTED NOW

We are especially in need of some fresh caught Raccoon and for these we will pay you an extra fancy price shipped promptly.

We have orders from our American Manufacturers for a large quantity of this article for immediate use and trappers and country buyers who can get their collection of Coon to us in time for this year's use are the ones who are going to get the benefit of the high prices our furrier trade are now willing to pay.

We are in the market for all kinds of furs at top market prices and are going to make an extra effort to see that all shippers get the best possible price for every skin shipped to us, in order to get you started right this season. In return for the extra prices we propose to pay you for your furs, we hope that you will tell your friends who handle furs about our good returns and in this way help us to increase our business in your section.

There can be no doubt about your success in the fur business if you will deal with the ABRAHAM FUR COMPANY and will write for and follow our instructions about how to handle furs successfully—this list of prices contains invaluable information for all handlers of furs and costs you nothing.

WRITE TODAY. Get our free advice on how to avoid losses in furs, have your name placed in our lists and get our free price lists and special fur reports regularly this entire season.

Our confidential fur reports to shippers are the best market information obtainable

ALL FREE—Write Today

Abraham Fur Co.
108 Abraham Building 45th Year St. Louis Missouri



You Save Money on Trappers Supplies

We operate a large Supply Department in conjunction with our Fur Business; this department is operated for the accommodation and convenience of our trapper friends and customers and not for profit. We issue a monthly Supply Price List and are constantly offering some fine bargains in trappers and hunters necessities.

Your name in our file means not only that you get our Fur Price Lists and Confidential Reports, but also our monthly Supply List. Write Today—it's all free.

The following table of supplies is published to give you an idea of some of the bargains we have to offer—our Supply List contains many more.



This High-Grade 13" STEEL TRAP each 13¢ \$1.49 per dozen

Abraham "Smoke-Pump" 95"

The greatest "smoke-em-out" device on the market—succeeds where others fail. The superior driving force of our Smoke Pump enables you to smoke animals out of the deepest dens and longest logs. Full details about how to use this Pump accompanies each order—formerly sold for over \$2.00. Special price now 85¢.

Abraham ANIMAL BAITS Per Bottle \$1 Postpaid

admittedly the most scientific baits ever compounded. Guaranteed to vastly increase your catch or Your Money Refunded—you take no chances in buying our baits. A different bait, especially attractive for each animal.

RIFLES—GUNS and REVOLVERS

- Hamilton Rifle No. 27-H.....\$ 2.25
- Stevens Little Scout No. 14½.... 4.25
- Stevens Crack Shot No. 2622..... 5.40
- Stevens Repeater No. 70..... 11.25
- Hamilton Repeater No. 39..... 9.00
- Double Barrel Shot Gun—Hammerless, 12, 16 and 20 gauge No. 2612 16.65
- Double Barrel Hammer, 12 gauge 11.00
- Single Barrel, Rebounding Hammer 7.85
- Double Action Revolver, 22 caliber 3.55
- Harrington & Richardson 32 and 38 cal. 6.90
- Special 2 Blade Hunters Knife.... 1.10
- Stag Handle Bowie Knife with Sheath 1.20

Julius Brand Rubber Boots, first quality, sizes 6 to 11, Hip, Sporting or Storm King, pair. Raincoat, guaranteed Storm and Waterproof. Sizes 36 to 42, a bargain..... \$2.95

Men's Double Breasted Corduroy Coats, Blank Lined, Military Collar, Set-in Pockets. Size 36 to 48..... \$4.75

Men's Sleeve Vest, drab moleskin, collar and wrist protected by woolen wristers, Sizes 36 to 48..... \$2.95

Men's wide wale Drab Corduroy Trousers, two side, two hip pockets. Sizes, waist 31 to 44, Length 31 to 34..... \$2.45

TRAPS Victor, Newhouse, Oneida Jump, Stop Thief, and Tree Traps at lowest prices.

All prices quoted are net to us and orders must contain remittance to cover articles wanted, plus enough to pay postage or parcel post charges, except Animal Baits which are quoted Postpaid.

Charges will average from 10c to 25c according to weight except Shot Guns on which charges are approximately 50c.

All stock offered is fresh new stock, direct from factory and guaranteed first class stock in every respect.

Send your ORDERS TODAY

Abraham Fur Co.
108 Abraham Building 45th Year St. Louis Missouri

FARMERS' CLASSIFIED ADVERTISING

Rate: 10 cents a word, each insertion, on orders for less than four insertions; four or more consecutive insertions the rate is 8 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. Minimum charge, ten words.

TABLE OF RATES					
Words	One time	Four times	Words	One time	Four times
10.....	\$1.00	\$3.20	26.....	\$2.60	\$8.32
11.....	1.10	3.52	27.....	2.70	8.64
12.....	1.20	3.84	28.....	2.80	8.96
13.....	1.30	4.16	29.....	2.90	9.28
14.....	1.40	4.48	30.....	3.00	9.60
15.....	1.50	4.80	31.....	3.10	9.92
16.....	1.60	5.12	32.....	3.20	10.24
17.....	1.70	5.44	33.....	3.30	10.56
18.....	1.80	5.76	34.....	3.40	10.88
19.....	1.90	6.08	35.....	3.50	11.20
20.....	2.00	6.40	36.....	3.60	11.52
21.....	2.10	6.72	37.....	3.70	11.84
22.....	2.20	7.04	38.....	3.80	12.16
23.....	2.30	7.36	39.....	3.90	12.48
24.....	2.40	7.68	40.....	4.00	12.80
25.....	2.50	8.00			

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 cannot 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 discontinued or changed 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

RELIABLE MEN WANTED BY OLD ESTABLISHED firm, to sell fruit trees and shrubbery. Liberal cash commission. Willis Nurseries, Ottawa, Kan.

\$5 TO \$15 DAILY EASY—INTRODUCING New Style Guaranteed Hosiery. Must wear or replaced free. No capital or experience required. Just show samples, write orders. Your pay in advance. We deliver and collect. Elegant outfit furnished—all colors and grades including silks, wool and heathers. Mac-O-Chee Mills Co., Desk 12911, Cincinnati, Ohio.

MALE HELP WANTED

WANTED—SINGLE MAN TO HELP FEED and care for large herd of Holsteins. Must be willing, energetic and fond of cows. Milking machines used. Wages \$40, board, room and washing. Apply James Johnstone, Route 3, Tonganoxie, Kan.

EDUCATIONAL

LAWRENCE BUSINESS COLLEGE, Lawrence, Kansas, trains its students for good paying positions. Write for catalog.

MEN-BOYS OVER 17. BECOME RAILWAY mail clerks. \$135 month. List positions free. Franklin Institute, Dept. L15, Rochester, N. Y.

EARN \$25 WEEKLY, SPARE TIME, WRITING for newspapers, magazines. Experience unnecessary, details free. Press Syndicate, 547, St. Louis, Mo.

FINLAY ENGINEERING COLLEGE, Kansas City, Mo. Mechanical, electrical, armature winding, auto elec. 6 weeks to 2 years. Write for catalog and courses by mail.

ALL MEN, WOMEN, BOYS, GIRLS OVER 17 willing to accept government positions \$135 (stationary or traveling) write Mr. Ozment, Dept. 167, St. Louis, Mo., immediately.

SERVICES OFFERED

PANEL PLEATING, HEMSTITCHING. Mrs. M. J. Merfer, 800 Topeka Blvd., Topeka, Kan.

BUSINESS OPPORTUNITIES

BATTERY SERVICE STATION; BUILDING, stock and equipment. Only shop in town. I would teach buyer if necessary. Ill health reason for selling. J. H. Williams, Wilson, Kan.

SELL US YOUR SPARE TIME: WE WANT a reliable man or woman in every community to work for us in their spare time. You will like our plan. Many people receive liberal checks from us each week. You can do the same. Write to the Circulation Manager, Capper Publications, Topeka, Kansas, and simply say, "Tell me how to turn my spare time into dollars."

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.

PUT YOUR BUSINESS BEFORE MORE than 1,150,000 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 60 cents per word, which will give you one insertion in each of the five sections, Capper's Farmer, Kansas Farmer and Mail and Breeze, Missouri Ruralist, Nebraska Farm Journal, and Oklahoma Farmer. Capper Farm Press, Topeka, Kansas.

"INVESTING FOR PROFIT" IS WORTH \$10 a copy to any man who intends to invest any money, however small, who has money invested unprofitably, or who can save \$5 or more per month, but who hasn't learned the art of investing for profit. It demonstrates the real earning power of money, the knowledge financiers hide from the masses. It reveals the enormous profits they make and shows how to make the same profits. It explains how stupendous fortunes are made and why they are made; how \$1,000 grows to \$22,000. To introduce our magazine, write us now, and we'll send it six months free. Address Investing for Profit, 20 W. Jackson Blvd., Dept B-50, Chicago.

WANT TO BUY

WANTED—NO. 9 JOHN DEERE CYLINDER shell or A1 Sandwich. F. A. Brewster, Lucerne, Kan.

WANTED—SUDAN, ALFALFA, CLOVER, Cane and other seed. The Barteldes Seed Co., Lawrence, Kan.

SEEDS WANTED—WE BUY CAR LOTS OR cash for alfalfa, clovers, cane, millet, Sudan. Send samples for bids. Ed F. Mangelsdorf & Bros., Wholesale Field Seeds, St. Louis, Mo.

SUDAN GRASS SEED WANTED. WE PAY cash for Sudan, milo, kafir, cane, alfalfa and all field seeds. Send samples and state quantities. Agricultural Seed Co., 1307 N. Main St., St. Louis, Mo.

WANTED TO BUY—CATALPA GROVE OR hedge, fence suitable for posts, or hedge posts. Give full particulars first letter, or no attention paid. Address Catalpa, Kansas Farmer, Topeka, Kansas.

BUILDING SUPPLIES

WHOLESALE PRICES LUMBER AND bale ties. Hall-McKee, Emporia, Kan.

TOBACCO

NATURAL LEAF TOBACCO, CHEWING. 5 pounds \$1.75; 10 pounds \$3.00. Smoking. 5 pounds \$1.25; 10 pounds \$2.00. Send no money. Pay when received. Tobacco Growers' Union, Paducah, Ky.

THREE-YEAR-OLD KENTUCKY LEAF tobacco. Pay only \$1.00 and postage when received for 3 lbs. chewing, or 4 lbs. smoking, or 7 lbs. No. 2 smoking. Kentucky Tobacco Assn., Hawesville, Ky.

HOMESPUN TOBACCO, CHEWING. 5 pounds \$1.75; 10 pounds \$3.00; 20 pounds \$5.00. Smoking. 5 pounds \$1.25; 10 pounds \$2.00; 20 pounds \$3.50. Send no money; pay when received. Co-operative Tobacco Growers, Paducah, Ky.

TO INTRODUCE OUR THREE-YEAR-OLD tobacco will sell 10 pounds "Regular Smoking" 95c. Best Weak Smoking \$1.45. Best Smoking \$2.25. Best Burley Smoking \$2.95. Medium Chewing \$1.95. Best Chewing \$3.25. 3 pounds Best Burley \$1.00. 100 Fine Cigars \$3.95. Pay when received. POUND sample prepaid 30c. Satisfaction guaranteed. Catalog free. Kentucky Tobacco Co., Owensboro, Ky.

FOR THE TABLE

5 POUNDS FULL CREAM CHEESE, \$1.35 postpaid. Roy C. Paul, Moran, Kan.

COLORADO SPLIT PINTO BEANS, COOK in hour and half. Especially suitable for soup or baking. \$2.90 buys 100 pounds. J. A. Jackson, Woodward, Okla.

WHOLE GRAIN NEW CROP TABLE rice. From mill to consumer. 100 pounds beautiful clean white rice in double sacks. freight prepaid, \$6.75. Safe arrival guaranteed. J. Ed. Cabiniss, Box 90, Katy, Tex.

HONEY

FINEST LIGHT, EXTRACTED HONEY, 60 lb. can \$6.50; two \$12.00 here. Amber strained, can \$6.50; two \$10.00. Frank H. Drexel & Sons, Beekeepers, Crawford, Colo.

SWEET POTATOES

SWEET POTATOES, FANCY YELLOW Jersey table stock, \$1.20 bushel basket. F. O. B. Wamego. Johnson Bros., Wamego, Kansas.

NURSERY STOCK

QUALITY NURSERY STOCK FOR FALL planting. Low prices on imported Holland bulbs. Write for catalogs containing valuable information to the planter. Wichita Nurseries & Seed House, Box F, Wichita, Kan.

FRUIT TREES GREATLY REDUCED prices. Direct to planters. No agents. Peaches, apples, pears, plums, cherries, grapes, berries, nuts, pecans, mulberries, ornamental trees, vines and shrubs. Free 4-page catalog. Tennessee Nursery Co., Box 131, Cleveland, Ohio.

SEEDS AND PLANTS

BEAUTIFUL WINTER FLOWERS, FRAGRANT, easily grown in house. Write Henry Jefferies, Ottawa, Kan.

PIANT NOW. RHUBARB \$1.00 DOZEN. Concord grapes \$1.00 dozen. Prepaid. Good plants. John L. Wilson, Elk City, Kan.

CRIMSON MAMMOTH RHUBARB, THE best variety. Plants for sale. Descriptive circular free. Henry Jefferies, Ottawa, Kan.

SWEET CLOVER SEED, WHITE, CLEAN, well matured. Order now. Ship when you wish. \$4.30 bushel. Haley & Thomas, Andover, Kan.

PATENT ATTORNEYS

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

INVENTORS WRITE FOR OUR ILLUSTRATED book and record of invention blank. Send model or sketch for our opinion of its patentable nature. Highest reference, prompt service. Reasonable terms. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

MILLIONS SPENT ANNUALLY FOR ideas! Hundreds now wanted. Patent yours and profit. Write today for free books—tell how to protect yourself, how to invent, ideas wanted, how we help you sell, etc. Patent Dept. 402, American Industries, Inc., Washington, D. C.

PATENTS, TRADE-MARKS, COPYRIGHTS. Write for full information as to procedure before submitting your idea. Prompt, skillful services at reasonable charges, by an attorney-at-law, registered to practice before the Patent Office, with fifteen years' experience. B. P. Fishburne, 381 McGill Bldg., Washington, D. C.

TYPEWRITERS

REBUILT TYPEWRITERS, ALL MAKES. Sold, rented, repaired, exchanged. Fire proof safes, Adding machines, Jos. C. Wilson & Co., Topeka, Kan.

MACHINERY FOR SALE

SECOND HAND TRACTORS—\$100 to \$350. S. B. Vaughan, Newton, Kan.

MAYTAG 4-ROLL HUSKER AND SHREDDER, in good condition. Priced to sell. D. A. Wenger, Canton, Kan.

FOR SALE: MCCORMICK FOUR-ROLL corn shredder, complete. Practically new. Priced to sell. Bart Cotter, Greeley, Kan.

ONE 15 HORSEPOWER DIRECT CURRENT motor, in first class shape. City changed from direct to alternating current is reason for selling. Priced to sell quick. Farmers Elevator, Spearville, Kan.

AUTO SUPPLIES

AUTOMOBILE MECHANICS, OWNERS, garages, repairmen, send for free copy America's Popular Motor Magazine. Contains helpful instructive information on overhauling, ignition wiring, carburetors, batteries, etc. Automobile Digest, 622 Butler Bldg., Cincinnati.

KODAK FINISHING

TRIAL ORDER—SEND 25c AND ROLL for 6 beautiful glossy prints or 9 reprints. Fast service. Day Night Studio, Sedalia, Mo.

DOGS AND PONIES

OLD ENGLISH SHEPHERD PUPPIES, natural heelers. Wm. Meseke, Alto Vista, Kan.

WANTED—50 WHITE ESQUIMO SPITZ pups every week. Also other breeds. Brockway, Baldwin, Kan.

PET STOCK

FERRETS TRAINED. J. J. SHINE, 417 N. Seneca, Wichita, Kan.

FERRETS FOR SALE. WRITE HERSCHEL Peck, Box 854, Des Moines, Iowa.

PUPPIES, CANARIES, PARROTS, GOLD fish. Catalog. K. C. Bird Store, Kansas City, Mo.

MISCELLANEOUS

ARTIFICIAL EYES, \$3. BOOKLET FREE. Denver Optic, 591 Barclay, Denver, Colo.

CONTAGIOUS ABORTION PREVENTED. R. Harold, 1006 Houston Street, Manhattan, Kan.

BLACK WALNUTS, HICKORYNUTS AND other nuts for sale. Prices reasonable. Write Henry Jefferies, Ottawa, Kan.

CATALPA POSTS, CAR LOTS, GRAPES one and two; well seasoned. H. B. O'father, 412 W. 2nd St., Wichita, Kan.

PHONOGRAPH RECORDS AND PLAYER. piano rolls exchanged. Trade old for new. Stamp brings catalog. Fuller, Wichita, Kan.

POULTRY

ANCONAS

PURE ANCONA COCKERELS. Mrs. A. F. LeChien, Melvern, Kan.

SHEPARD 331 ANCONA COCKERELS. All prices. Mattie Elliott, Milton, Kan.

ANCONA COCKERELS, GIES LAYING strain. \$2 to \$5. Mrs. Helen Lill, Mount Hope, Kan.

EXTRA GOOD ANCONA COCKERELS. State Fair winners. Bargain prices. State Miller, Meriden, Kan.

SHEPARD'S ROSE COMB AND 331 SINGLE Comb Ancona cockerels. Mrs. Bertina Shear, Everest, Kan.

500 ANCONA AND ENGLISH WHITE LEGHORN cockerels and pullets from \$1.00 up. Must have room for winter quarters. Satisfaction guaranteed or money refunded. Shem Yoder, Yoder, Kan.

ANDALUSIANS

QUALITY BLUE ANDALUSIAN COCKERELS, \$3.00; pullets \$2.00. A. A. Stewart, Inman, Kan. Route 1, Box 50.

BRAHMAS

PURE BRED LIGHT BRAHMA PULLETS and cockerels, \$1.50. Ferol Brooks, Clyde, Kan.

DUCKS

MAMMOTH PEKIN DUCKS; WHITE WANDOTTE cockerels. Catalog free. Mrs. A. J. Higgins, Effingham, Kan.

PURE MAMMOTH WHITE PEKIN AND Buff Orpington ducks and drakes. \$2.00. Frank Leonard, Emporia, Kan. Route 2.

GEESE

FORTY TOULOUSE GEES \$2.00 EACH. Ganders \$4.00. Buff Orpington drakes \$2.00. Fred J. Bernitter, St. Marys, Kan.

FARMERS' CLASSIFIED AD USE THIS FORM—IT SAVES DELAY

Mail This to
Kansas Farmer and Mail & Breeze
Topeka, Kansas

Rate: 10 cents a word on single insertion; 8 cents a word each week if ordered 4 or more consecutive weeks. Minimum charge is \$1.

Count initials or abbreviations as words

Fill This, Please!

Your Count of ad.....Words

No. times to run.....

Amount enclosed \$.....

Place under heading of.....

(Your Name) _____

(Town) _____

Route _____

(State) _____

NOTE: Count your name and address as part of advertisement.

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C. BUFF LEGHORNS. MRS. S. E. Critch, Florence, Kan.
1000 WHITE LEGHORN HENS, PULLETS. John Hass, Bettendorf, Iowa.
S. C. BUFF LEGHORN COCKERELS, \$1.00 each. Mrs. Dora Nelson, Woodston, Kan.
SINGLE COMB BUFF LEGHORN HENS \$1.00 per dozen. Mrs. L. E. Day, Paola, Kan.
SINGLE COMB BUFF LEGHORN COCKS, cockerels, \$1.00. Ida Hayden, Concordia, Kan.
FINE PURE BRED S. C. WHITE LEGHORN cockerels \$1.50 each. Katie Smith, Lebo, Kan.
BUFF LEGHORN HENS AND COCKERELS for quick sale \$10 dozen. N. A. Reed, Lyons, Kan.
SINGLE COMB DARK BROWN LEGHORN cockerels, \$1.00 each. Mrs. L. D. Smith, Burlington, Kan.
SINGLE COMB WHITE LEGHORN PULLETS, cockerels \$1.00. Write Nellie Freeman, DeSoto, Kan.
SINGLE COMB WHITE LEGHORN COCKERELS, \$1.50 each. Barron strain. O. L. Frey, Eldorado, Kan.
SINGLE COMB WHITE LEGHORN COCKERELS, \$1.00 to \$1.50. Mrs. Willard Bishop, Emporia, Kan., Route 5.
PERRIS LEGHORNS, HENS \$3.00 AND \$4.00 per dozen; cockerels \$1.50. Sarah E. Rollins, Gretna, Kan.
ROSH COMB LEGHORN COCKERELS, White Elephant strain, \$1.00 to \$3.00. Mrs. Phil Geller, Chapman, Kan.
BARRON STRAIN SINGLE COMB White Leghorn Cockerels, \$3.50 each. J. Taylor, Route 3, Burlingame, Kan.
BARRON STRAIN S. C. WHITE LEGHORN cockerels, March and April hatch. Price reasonable. S. C. Wedel, Canton, Kan.
SINGLE COMB BUFF LEGHORN COCKERELS, prize winning stock, \$1.25 each; \$2.00 per dozen. Geo. W. Hunt, Blue Rapids, Kan.
SINGLE COMB WHITE LEGHORN HENS. Two years old and of Wycoff and Oakdale breeding. \$1.00 each. Fisherdale Farms, Wilson, Kan.
IMPORTED ENGLISH BARRON S. C. White Leghorns. Trapped. Bred to record. 300 eggs. Pullet, cockerels. Bargains. Geo. Patterson, Richland, Kan.
SINGLE COMB DARK BROWN LEGHORN cockerels \$3.00. "Ever-Lay" strain. White Wyandotte cockerels \$2.00. Both expert culled. Mrs. Norman J. Gross, Russell, Kan.

MINORCAS

BLACK MINORCA, WHITE LEGHORN cockerels and hens. Claude Hamilton, Garrett, Kan.

ORPINGTONS

LARGE VIGOROUS BUFF ORPINGTON cockerels, \$2.00. Golda Leonard, Route 2, Emporia, Kan.

PLYMOUTH ROCKS

BARRED ROCK COCKERELS FROM CERTIFIED birds. Sylvan Miller, Humboldt, Kan.
BARRED ROCKS, VIGOROUS, BRED TO lay. Hens \$2.00; cockerels \$3.00. Mrs. J. J. Jones, Abilene, Kansas.
COCKERELS: THE E. W. THOMPSON strain, Imperial Ringlet Rocks true to type. E. E. Bowman, Strong, Kan.
FINE BARRED ROCK COCKERELS Better than ever, \$2.00 and up if taken soon. Wm. C. Mueller, Hanover, Kan., Route 4.
BARRED ROCK COCKERELS \$3.00; BRADLEY strain direct, expert culled. Satisfaction guaranteed. Mrs. Norman J. Gross, Russell, Kansas.

RHODE ISLANDS

WHITE COCKERELS \$1.50 EACH. Wilma Scheibe, Waterville, Kansas.
SINGLE COMB RHODE ISLAND RED cockerels, \$2.50. Mrs. J. J. Brunner, Onaga, Kan.
SINGLE COMB RHODE ISLAND COCKERELS, \$1.50 and \$3.00. Dark red. W. E. Richardson, Barnard, Kan., Box 128.
SINGLE COMB DARK RED, BIG BONED cockerels, from penned stock, \$1.50 to \$3.00. Mrs. Lizzie Anderson, Blue Mound, Kan.
JOHNSON'S S. C. REDS; 100 COCKERELS and pullets for sale. From penned matings; blue ribbon cocks as sires. Rich Red strain. J. C. Johnson, Mt. Hope, Kan.
S. C. REDS: SIRE FROM PIERCE'S FIVE generations. 300-egg hens. March and April hatched. \$3 and \$5. Satisfaction guaranteed. Mrs. Royal Henderson, Munden, Kan.

TURKEYS

WAMMOTH PURE BRED BRONZE TURKEYS. Goodbank strain. Hens \$3.00; toms \$5.00. Mrs. Martha Haynes, Grantville, Kan.
WAMMOTH BOURBON RED TURKEYS. Result fifteen years careful breeding. Satisfaction guaranteed. Reasonable prices. James M. Holland, Bellaire, Kan.

WYANDOTTES

CHOICE PURE BRED ROSE COMB BUFF Wyandotte cockerels; while they last \$2.00 each. Order early. Harvey Marlar, Madison, Kan.

SEVERAL VARIETIES

90 BREEDERS CHEAP; ALL VARIETIES. Chickens, Ducks, Geese, Turkeys and Pigeons. Address Becker Poultry Co., Ackworth, Iowa.

A new rotary spray pump weighing 50 pounds is expected to revolutionize orchard spraying. It is declared that the machine, running at normal speed, can deliver from 300 to 500 pounds pressure and will distribute from 20 to 35 gallons of material a minute.

The Real Estate Market Place
RATES
For Real Estate Advertising on This Page
45c a line per issue on 4 time orders.
50c a line per issue on 1 time orders.

Special Notice
All advertising copy discontinued or orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication.

KANSAS

SO. EAST KAN. FARMS \$35 acre up. Free list. A. M. Cole Land Co., Independence, Ks.

5 to 40 acre tracts. Send for information. The Magnolia State Land Co., Iola, Kan.

GOOD FARMS, 40'S UP, CHEAP. Now is the time to buy. Franklin Co. Inv. Co., Ottawa, Kansas.

80 ACRES IMPROVED. \$65 per acre. \$1,000 cash. 160 acres improved, \$67.50 per acre. \$1,000 cash. The Allen County Investment Co., Iola, Kansas.

BUY IN northeastern Kansas where corn, wheat and all tame grasses are sure. Send for farm list. Silas D. Warner, 727 1/2 Commercial St., Atchison, Kansas.

RANCH FOR SALE, N.W. Kansas on South Beaver. 1800 a. Timber, alfalfa and springs. All-ways together. For price and terms write D. C. Downing, R.F.D. No. 2, McDonald, Kan.

40 ACRES, adjoining small town, Franklin county. Improved. Special price. Write for description and November list. Mansfield Land Company, Ottawa, Kansas.

CHOICE BOTTOM FARM, 160 acres, 2 miles town. 155 acres in wheat, new 6-room house on main road. \$100 per acre. T. B. Godsey, Emporia, Kansas.

80 A. \$50 PER A., 120 A. \$75 per A., 160 A. \$60 per A., 160 A. \$75 per A. All good imp. farms, extra good terms. Spangler Land Co., Ottawa, Kan.

600-ACRE EASTERN KAN. \$50 A. 2 sets imp. 1 mi. town. Good roads. Near high school. Half cult. bal. blue stem pasture. Worth more. Write M. T. Spang, Fredonia, Kas.

160 A. IMP. FARM in Lyons county. Want to sell before Jan. 1. 11 mi. south Emporia., on main road to oil fields. 2 mi. W., 1/2 mi. S. Olpe. For particulars write Route 9, Box 28, Paola, Kansas.

80 ACRES, 7 miles of Ottawa, Kansas. 3 miles of LeLoup, all tillable, real good improvements, fine location. Price \$75 per acre. \$1500 cash, remainder 5 years time. Ottawa Realty Company, Ottawa, Kansas.

160 A., 2 1/2 mi. Lebo, Kan. Good smooth land, good imp., plenty water, 3/4 mi. school, 2 1/2 mi. high school, 40 A. bluegrass pasture, 25 A. timothy, clover. All can be plowed. Priced to sell. Mattie Grover, Lebo, Kan.

\$20 PER ACRE up crop payment plan. Wheat and irrigated lands near Garden City, big yields alfalfa, wheat and garden truck, fine schools. Lands covered by electric power. A. H. Warner & Son, Garden City, Kan.

GOOD STOCK FARM 240 A. 60 A. alfalfa, balance pasture. New house 5 rooms, bath, barn and outbuilds; 3 windmills. Hay, tools, 1/4 of 140 A. wheat included, \$60 per acre. E. W. Funk, Owner, Dighton, Lane Co., Kan.

750 ACRE beautiful level farm, adjoining town in Lane county, Kansas; it's one of the finest bodies of land in county; 2 story, 7 room house, 2 large barns, granaries, other outbuildings; nearly 400 acres fine wheat; abundance water; real snap, owner non-resident; \$45 per acre; attractive terms. Mansfield Land & Loan Company, 415 Bonfills Bldg., 10th & Walnut, Kansas City, Mo.

IMPROVED FARMS IN EASTERN KANSAS

320 A., 200 A. in cultivation.
160 A., 120 A. in cultivation.
160 A., 85 A. in cultivation.
147 A., all under cultivation.
80 A., 65 A. in cultivation.
80 A., 50 A. in wheat, balance pasture.
40 A., extra good improved.
10 A., close in town.
House and 2 lots town property.
Priced for quick sale. Write or see W. E. Craig, Halls Summit, Kansas

DOMESTIC DIFFICULTIES, SACRIFICE, QUICK SALE

190 acres, ideal corn, alfalfa, wheat, hog, potato, melon and dairy proposition. 100 acres first bottom; rich as Kaw Valley or Valley of the Nile. Balance smooth second bottom. A great producer. Good improvements and plenty of them. 3 1/2 miles from large town Wilson county. Two truck railways. Price \$85 per acre for quick action. This is your opportunity. ACT NOW TODAY. Chas. D. Seaton, Fredonia, Kansas.

ADDITIONAL CLASSIFIED

POULTRY PRODUCTS WANTED

WE PAY THE HIGHEST MARKET FOR poultry. Ship to Witchey & Co., Topeka. SHIP CHICKENS NOW. WRITE FOR ADVICE on turkeys, ducks, geese. "The Copes," Topeka.

PREMIUM PRICES PAID FOR SELECT market eggs and poultry. Get our quotations now. Premium Poultry Products Company, Topeka.

POULTRY SUPPLIES

PILOT BRAND OYSTER SHELLS—shipped in car lots to Hutchinson, and distributed on low freight rates. Largest and most complete line of poultry foods and supplies in Central Kansas. Write for special price list. The Young & Sons Merc. Co., Hutchinson, Kan.

Pay No Advance Fee
Don't give option or tie up real estate for any kind of contract without first knowing those you are dealing with are absolutely honorable, responsible and reliable.

KANSAS

NORTHEAST KAN. Bottom and upland farms. Melvin Ward, Holton, Jackson Co., Kansas.

WESTERN KANSAS land, cheap. Easy terms. Write Jas. H. Little, LaCrosse, Kan.

GRANT COUNTY QUARTER—\$2,600. Near station on new railroad. Choice, level land. No trades. Griffith & Baughman, Liberal or Satanta, Kansas.

320 ACRES, Scott County, Kansas; smooth black land, half cultivation; good improvements; well located; 100 wheat. Sacrifice, \$35.00 acre. Mansfield Investment & Realty Co., Hedley, Kansas.

ARKANSAS

\$600 FIRST PAYMENT gets 120-acre farm, 5 room house, spring, orchard. Price \$1800. Have other farms; list free. Mammoth Realty Company, Mammoth Spring, Ark.

IMPROVED 520-A. RICE FARM in Ark. rice belt, on pike, reasonable terms. Write for catalog of farms. American Bank of Commerce & Trust Co., Little Rock, Ark.

WOULD YOU BUY A HOME? With our liberal terms? Farms of all sizes for white people only. Write for our new list. Mills & Son, Booneville, Arkansas.

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 Doyel & Alsip, Mountainburg, Arkansas.

COLORADO

COLORADO FARM
70-acre farm, 35 acres in fine alfalfa; irrigated; 6 room dwelling, good barn, granary and garage; soft water; out cellar. Located 1/2 mile from market and paved highway and 2 1/2 miles from Teachers' College and training school in Greeley. It is a real home farm, as good as one could desire for a real home place; easy distance to good district school. Ideal place for home and to educate a family. For sale at \$15,000. Time on part if desired. Priced low. Another 73-acre farm located 1 mile from town of Milliken; good school close by; all irrigated; grade school 1 mile; all cultivated, level land. Owner lives east and will trade for something nearer home if suited. His sale price is \$18,000. Good improvements. Write to W. R. Adams, Greeley, Colo., Box 745.

CANADA

Irrigated Farms In Southern Alberta

In the famous Vauxhall District Bow River Irrigation Project. 200,000 acres irrigable. A specially fine tract of 5,000 acres all located within seven miles of the railroad station, now ready for water service, selling for a limited time at \$40.00 to \$65.00 per acre, with full water right. One-fifth cash down; balance in easy equal payments over 18 years, first installment due at least two years after date of initial payment. Investigate at once. Canada Land and Irrigation Co., Limited Medicine Hat, Alberta.

MISSOURI

LISTEN, 40 acre imp. farm \$1200. Good terms. Other farms. McGrath, Mountain View, Mo.

WRITE FOR FREE LIST of farms in Ozarks. Douglas Co. Abstract Co., Ava, Mo.

HIGHLY IMP. 200 A. 155 Cult. Fine location. Worth \$60; Price \$40. \$2,000 cash. W. D. Blankenship, Buffalo, Mo.

536 ACRES, stock and grain farm, half mile railroad town. \$37.50 acre. Terms. Address John Thatcher, Osceola, Missouri.

40 TO 320 ACRES in Henry Co., among one of the best counties in the state. Write or call. W. M. Stevens, Clinton, Henry Co., Mo.

MISSOURI \$5 down \$5 monthly buys 40 acres truck and poultry land near town Southern Missouri. Price \$200. Send for bargain list. Box 22, Kirkwood, Mo.

POOR MAN'S CHANCE—\$5 down, \$5 monthly buys forty acres grain, fruit, poultry land, some timber, near town, price \$200. Other bargains. Box 425-0, Carthage, Missouri.

OKLAHOMA

NORTHEAST OKLAHOMA farms at wonderful bargain prices. \$10 to \$60 per acre. E. G. Eby, Wagoner, Oklahoma.

160 ACRES located 22 miles Okla. City. Fine corn and alfalfa land. Fair improvements, running water, timber. Price \$15,000; easy terms. H. A. Hazard, owner, Edmond, Okla.

TEXAS

WRITE J. N. JOHNSON LAND CO., Daltart, Tex., for choice wheat and corn lands.

FOR SALE—Improved and unimp'd farms near Raymondville, county seat of new county of Willacy. Center famous dry farming section Rio Grande Valley and noted for earliest onions and cotton in United States, oranges, grape fruit, dairying and poultry. Prices and terms will satisfy you. Raymondville Trust Co., Raymondville, Texas.

FLORIDA

FOR FLORIDA LAND, wholesale, retail or exchange, write Interstate Development Co., Scarritt Bldg., Kansas City, Mo.

WASHINGTON

MUNICIPAL LANDS for sale by the district; no agents, no commission; interested only in getting home-builders on the project. Longest growing season in the Northwest. Gardens and fruits thrive; schools, highways and railroads the best; Junction Snake and Columbia Rivers. Write for terms and folder. Address Burbank Irrigation District No. 4, Burbank, Washington.

SALE OR EXCHANGE

TRADES—What have you? List free. Bersie Farm Agency, El Dorado, Kansas. FARM BARGAINS, Eastern Kansas, for sale or exchange. Sewell Land Co., Garnett, Kan.

FOR SALE OR TRADE—5-room modern bungalow, close in. Address, Owner, Box 161, Lindsborg, Kansas.

GOOD, SMALL, well improved Kansas dairy farm for sale or trade. J. M. Mason, 2274 Russell Ave., Kansas City, Kansas.

IMPROVED AND UNIMPROVED farms, with small payments. We sell and exchange no matter where. N. Smith, Quinter, Kan.

SALE OR TRADE: 160 a. well located, Ness Co., between Ransom and Arnold. Well imp. Plenty water. Robt. Roediger, Arnold, Kan.

LAND near San Benito, Texas to trade for Kan. land or income property. The Replogle Agency, Cottonwood Falls, Kan.

SELL OR TRADE YOUR FARM, merchandise or town property. Send us your price and description. We deal fast. The Business Booster Sales Co., Lawrence, Kansas.

GOOD 7-ROOM HOUSE in Topeka for farm. Modern 6-apartment, K. C. Mo., annual income \$4,000, for farm. Mansfield Land Mtg. Company, Topeka, Kansas.

HAVE 2 SEPARATE 80-ACRE FARMS Central Kansas; one 160 acres Western Kan. Want Oil Pull tractor on either place, 20-40 preferred. Box 152, Concordia, Kansas.

FOR SALE OR TRADE FOR KANSAS LAND, 50-barrel Flour Mill with all necessary machinery. D. W. Klusener, Dorrance, Kansas.

TRADES—TRADES—TRADES

Describe your property. Tell me what you want. Get my list. Prompt service. Reasonable commission. No deal, no pay. Trade quick with C. M. Kelley, the Land Man, Beaver City, Nebraska.

LAND—VARIOUS STATES

SELL YOUR PROPERTY QUICKLY for cash, no matter where located, particulars free. Real Estate Salesman Co., 415 Brownell, Lincoln, Neb.

SEND FOR FREE BOOK describing opportunities offered homeseekers and investors along the Great Northern Railway in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. E. C. Leedy, Dept. G, St. Paul, Minn.

PRODUCTIVE LANDS. Crop payment or easy terms, along the Northern Pacific Ry. in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. Free literature. Say what state interests you. H. W. Byerly, 61 Northern Pacific Bldg., St. Paul, Minn.

WEST ARKANSAS AND EAST OKLAHOMA along the Kansas City Southern Railway. A region of hill, valley, timber and prairie lands, clear running streams and springs of pure water, of prosperous towns, health resorts, churches and schools. It produces corn, wheat, oats, forage, cotton and great quantities of fruits, berries, cantaloupes, potatoes, commercial truck and poultry. Admirably adapted to the raising of pure bred live stock and a great dairy industry. For information, address Immigration Bureau, No. 404, K.C.S. Ry. Bldg., Kansas City, Mo.

REAL ESTATE WANTED

CASH YOUR PROPERTY quickly. Location immaterial. Particulars free. Universal Sales Agency, Box 43, N. Topeka, Kansas. FARMS WANTED: Give full description and cash price. Quick sales. Leaderbrand Sales Agency, B-30, Cimarron, Kansas.

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

I WANT FARMS and lands for cash buyers. Will deal with the owners only. E. A. McNow, 329 Wilkinson Bldg., Omaha, Neb.

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

FOR RENT

FINE STOCK FARM—Cherokee Co., Kan. 620 A. Good imp., water, market, soil. Possession now. E. H. Ware, Coeur d'Alene, Ida.

LOANS AND MORTGAGES

Farm Loans Kansas Oklahoma Low rate. Liberal terms. Prompt service. Humphrey Investment Co., Independence, Kansas.

Farm & Ranch Loans

Kansas and Oklahoma! Lowest Current Rate Quick Service. Liberal Option. Interest Annual or Semi-Annual. THE PIONEER MORTGAGE CO., TOPEKA, KANSAS.

DUROC JERSEY HOGS

Woody & Crowl's Boars-Gilts

40 Tops from Two Herds

Sale at the Roadside Farm, near town,

Barnard, Kan.

Thursday, Nov. 9

One of the best offerings of Duroc Jersey boars and gilts ever made in the state.

They are sired by High Giant and Climax Sensation, two wonderful sires of big, typy, classy individuals that are very popular.

The dams combine the blood of such famous sires as Orion Sensation, Col. Pathfinder, Preceptor, Great Wonder, Am, Disturber of Idlewild, Pathfinder's Royal, Preceptor, Valley Giant, Big Bone, etc.

For the sale catalog, address

Woody & Crowl
Barnard, Kan.

Will Myers, Auctioneer

If you can't come send your bids in our care to J. W. Johnson, fieldman, Mail and Breeze.

Combination Sale

Osage City, Kan.

Wednesday, Nov. 15

40 Duroc Jerseys—27 Shorthorns

40 tried sows and gilts bred and open; also 60 head stock hogs, 27 cows, heifers and bulls. Herd bull, "Orange Marshal," a Tomson Bros. bred bull. Come. Write for catalog.

J. W. Dews, Osage City, Kan.

Giant Sensation

"The Sire of Sires"

Write me about your herd and what it lacks. I believe I can assist you to make more money breeding Durocs.

W. H. RASMUSSEN, Box K, Norfolk, Neb.

Immured Duroc Spring Boars

We have picked 12 to ship out and will sell them at \$35 each while they last. Pathfinder, Sensation and Orion breeding. Crated light and fully guaranteed. Farm nine miles south of Fairbury on state line.

Johnson & Dimond, R. 4, Fairbury, Neb.

15 Boars Selects

These are real herd boars of intensely Orion breeding. They are priced to sell and satisfaction is guaranteed to every purchaser. Bred Sow Sale, February 5.

Leo. J. Healy, Hope, Kan., Dickinson Co.

Grandview Farm Durocs

March and April boars sired by King Pathfind and Sensation Giant, out of our good sows. Everything immunized and recorded. Write us your wants.

BOHLEN BROS., DOWNS, KAN.

15 Aug. Pigs Ready for Delivery Oct. 15 at \$12.50 each. Cholera immunized and guaranteed. Line bred Pathfinders, Overstake Bros., Atlanta, Kan.

SPRING BOARS AND GILTS Of best of Big Type breeding. Bloodlines Pathfinder Orion and Sensation. Price \$30 to \$35. Satisfaction guaranteed. R. C. WATSON & SONS, Altoona, Kan.

What's New in Livestock

BY OUR FIELDMEN AND REPORTERS

THE crop and market report of the U. S. Department of Agriculture for September, shows 30.4 per cent increase in horse receipts for September this year as compared to the same month last year. Horses received in 46 public stockyards in September totaled 41,327, an increase of 19,509 over September last year. This indicates a movement toward normal business conditions and a general increase in the use of horses commercially.

A New Beef Cattle Factor

A new factor has to be reckoned with by those interested in the production of beef cattle.

A few years ago almost every commercial center east of the Mississippi was a high cash market not only for the important grains but for many secondary items of agricultural production like straw, the lower grades, even, of hay and vegetable products of all sorts. There also was going on a widespread stocking of dairy farms in the region east of the Alleghenies.

This condition brought about a minimum consumption of farm feeds and pasturage in the production of beef. It did not mean relatively such a decrease in beef production as it related to a territory which does not lead in that industry. It, however, had to do with a change which now is considerably affecting the demand for stock cattle of the beef breeds.

It is the history of the past few years that in nearly all sections excepting those most accessible to established markets, even the best hay declined greatly in price, even compared with declines in grain prices. Lower grades of hay and stock could not have been marketed for enough to cover freight and handling.

Many items of farm production which used to command cash, were not worth gathering and rotted on the ground. An over zeal on the part of city farmers who bought lands and stocked them with dairy cattle reached the inevitable reaction and the present year dawned with vacant pastures and unconsumed stacks of forage all over the farming sections, particularly the rougher parts, of a dozen states which gradually had gotten almost wholly out of the beef production business.

The answer, of course, was cattle; cattle that could be handled at a minimum risk and with minimum labor cost; cattle that would turn good pasture and plain forage into a marketable product. In their effort to supply this need, land owners, their agents and also speculators have been scattered over the West the past summer picking up calves and she stuff for shipment east of the Mississippi; some of the cattle going as far back as Pennsylvania. This buying has been almost wholly of the highest grades available of the popular beef breeds to be found on the plains. The movement has been rather small as cattle movements go, but Texas, New Mexico, Colorado, Kansas and possibly the ranges to the North and North-

west have been visited by men who took home a carload or more each, a factor that will be felt during the coming season of trade in the classes of cattle affected. T. W. Morse.

School in Live Stock Marketing

Demonstrating how best to grade mixed lots of hogs, cattle and sheep on the first day with a comparison as to dressing per cent and market class with the identical animals in the packers' coolers the second day will be part of the practical features of the Joint Short Course of the Livestock Shipping Associations of Kansas, Missouri and Nebraska to be held at the Kansas City Stockyards Wednesday and Thursday, November 8 and 9.

Shipping association managers, directors and members in Kansas, Missouri and Nebraska will join hands with the extension services of the agricultural colleges of the three states in this annual meeting looking toward the betterment of livestock shipping methods at home, on the railroad and in the terminal market. According to Director A. J. Meyer of the Missouri Agricultural Service much interest has been shown in these courses in the past years with good attendance.

The course as planned by the associations and extension services for this year is an advance over any held before concentrating the first day on the problems of grading to obtain better market prices and to cut down the heavy shrinkage caused by sorting and weighing in small lots. The second day will be "Better Business Methods" day. Time and money saving features in handling the weigh tickets, invoice, pro-rating sheet and car summary records will be explained and discussed by experienced managers.

The manager who makes regular trips to the Kansas City market will find the additional expense of attending this school very light. Associations that are in position will find it worth while to pay the expense of their manager and one director rather than have them miss these meetings. If these short courses are to be continued the associations must make every effort to be represented and boost the cause of co-operative marketing.

Further information and complete programs may be obtained by writing John Sheay, Specialist in Marketing, Agricultural Extension Service, Columbia, Mo., or Roy Kiser, Extension Live Stock Specialist, Manhattan, Kan.

Otey's Durocs Sold Well

The W. W. Otey, Winfield, Kan., Duroc dispersion sale October 25, exceeded the expectations of the most sanguine as is always the case at an Otey sale. Sale averages were as follows: Sixteen sows, most of them bred, averaged \$121.25; 21 gilts averaged \$74.25. The 37 females averaged \$94.50; 21 spring boars averaged \$49.50, and the herd sire brought \$575.

The 59 head of Durocs averaged \$86.75. The top was Superior Sensa-

Herdsmen's Short Course

THE animal husbandry department of Kansas State Agricultural College has announced the second annual beef cattle herdsmen's short course during the Christmas holidays, beginning Wednesday, December 27, 1922, and closing Saturday, January 6, 1923.

The course will offer two weeks of intensive instruction to the breeders of purebred cattle, particularly the beginner, in selecting, breeding, feeding, fattening and showing beef cattle, as well as the more important facts in the history of the leading beef breeds.

All the work will be of a practical nature. Each part of the course will be handled by men who have had considerable work with some one or more of the leading cattle breeders in the country.

The time at which the course is scheduled will permit the entire department to devote its attention to this particular work. The regular college students will be on their Christmas vacation. In addition to the regular schedule of classes offered, there will be an address each evening by some prominent breeder or veterinarian on herd management problems. Application for enrollment must be made to Dr. C. W. McCampbell of the animal husbandry department of the college not later than December 15.

DUROC JERSEY HOGS

BOARS BOARS BOARS

Big husky spring boars sired by the Grand Champion Sensation Pilot, Sensation Giant, Royal Sensation. The dams of these boars are real sows. Boars immunized and priced to sell.

G. M. SHEPHERD, LYONS, KANSAS

Choice Purebred Duroc Spring Boars

Also twenty spring gilts for sale. All sired by Cherry Modlin 391275. Priced to sell.

E. G. ALLEN, 701 West 6 Ave., Topeka, Kan. Phone 5182W.

Waltmeyer Giant Boars

This breeding has won more prizes at Iowa State Fair last 12 years than any other and has made the farmer more money. We can sell you a better boar for less money. Immunized. Shipped on approval.

W. R. HUSTON, AMERICUS, KANSAS

Smith's Stock Farm

Don't forget that Smith has some fine spring and fall boars for sale, priced to move them.

J. J. SMITH, LAWRENCE, KANSAS

McClaskey's Duroc Gilts and Boars

Boars, all ages, open or bred gilts and fall pigs, immunized and registered. Popular breeding.

C. W. MCCLASKEY, Girard, Kan.

Larimore's Duroc Boars

Spring boars by Major Sensation Col. Valley Sensation, Great Wonder Giant, Invincible King, etc. Priced right.

J. F. Larimore & Sons, Grenola, Kan.

Wooddell's Spring Duroc Boars

Big stretchy spring boars by Major's Great Sensation, Scion's Wonder, Chief Surprise, etc., out of Pathfinder, Sensation, etc. dams. G. B. Wooddell, Winfield, Kansas.

Zink Stock Farms Durocs

Good spring boars by Great Sensation Wonder, Proud Pathfinder, and Ureka High Orion 2nd, out of Pathfinder and Victory Sensation 3rd, dams.

ZINK STOCK FARMS, TURON, KANSAS

McComas' Durocs

Boars, by Giant Orion Sensation 4th, Pathfind and Jack's Orion King A. Write today.

W. D. MCCOMAS, Box 455, Wichita, Kan.

Brauer Purebred Duroc Co.

If you want good, well bred spring gilts or boars from the most widely and favorably known Duroc herd in Colorado, write us your wants.

Gov. Oliver H. Shoup, Address J. W. Brauer, Red 1, Colorado Springs, Colorado.

Shipped on Approval

Duroc boars; immunized and guaranteed breeders; shipped to you before you pay for them.

F. C. CROCKER, Box B, FILLEY, NEB. Just over the Kansas State line.

Legal Tender Spring Boars

At \$25 till Nov. 10; also summer and fall pigs unrelated. Spring gilts. Priced to sell to farmers. Best of blood lines.

J. E. WELLER, HOLTON, KANSAS

Hoover's Catalog of Winter Sale

Spring boars and gilts priced reasonably. Write for catalog of winter sale of GOLDMASTER Durocs. Your name on our mailing list will mean much to you if interested in the best type of Durocs.

E. G. HOOVER, WICHITA, KANSAS

Feb. Boars by Commander

A few real herd boar prospects by the great sire and out of a Great Wonder's Grand dam. You can't beat this boar opportunity.

DR. C. H. BURDETT, CENTRALIA, KAN.

Big Type Duroc Boars

Real herd boars of choice selection from best Sensation, High Orion and Pathfinder breeding, \$30, \$35 for quick sale. Immunized.

J. A. REED & SON, LYONS, KANSAS

Boars by Champion Victory Sensation 3rd

They are real ones and well grown. Come and see them or write.

B. R. ANDERSON, McPherson, Kan.

VALLEY SPRING DUROCS

Boars all ages, bred sows and gilts. Popular breeding, immunized. Pedigrees. Terms of suit.

E. J. BLISS, BLOOMINGTON, KAN.

Durocs \$20 to \$30

Boars ready for service. Fall pigs, either sex, not related, by Hurdler Pathfinder and Valley Sensation.

E. C. MUNSELL, RUSSELL, KANSAS

MAY WE SEND YOU PHOTOGRAPHS OF BOARS

ready for service, shipped on approval, liberal terms. STANTS BROS., Hope, Kansas.

FALL AND SPRING DUROC BOARS

Extra fancy, popular breeding, big type, immunized and priced right. Your money's worth of four months back.

R. E. KEMPIN, CORNING, KANSAS

DUROCS \$20 to \$30. Good big growthy spring boars and gilts. Tall and long; new breeding immunized.

Frank Haynes, Grantville, Kan.

BOARS AND GILTS, Pathfinder and Sensation breeding. Write for descriptions. Pedigrees, photos and prices.

CONRAD KNIEF, Sublette, Wyo.

FOR SALE—Pig Club spring boars and gilts

Pathfinder, Orion Sensation breeding. Clarence Ruppel, Pres.; Victor Haury, Sec'y., Moundridge, Kan.

SHEEP AND GOATS

For Sale, Shropshire Rams, 2-yr-old, priced right. G. M. Fisher, Rt. 4, Wichita, Kan.

Registered Hampshire Ram For Sale. Wt. 200 lbs. Burr Fleming, Kalvesta, Kan.

SWISS MILCH GOATS, high grade stock milking from three to five quarts; also some pure bred. FRANK RAUCHFUSS, R. O., EDGEWATER, COLO.

tion by Great Sensation to J. A. Matthews, Pawhuska, Okla., for \$575. Top sow was by Pathfinder Chief 2nd at \$300 to C. F. Means, Pawhuska, Okla. Top spring gilt by Superior Sensation went for \$210 to L. L. Ready, Anthony, Kan. Top spring boar, litter mate to top gilt went for \$200 to J. A. Speck, Nortonville, Kan. Herd matrons by Pathfinder Chief 2nd were in greatest demand, several going at \$100 or considerably higher. Persons paying \$100 or above, additional to buyers already named, were: F. G. Railsbach, Langdon, Kan.; L. L. Rodman, Burden, Kan.; J. L. Duke, Skiatook, Okla.; J. P. Larimore & Sons, Grenola, Kan.; Wm. Fuks, Langdon, Kan. The offering went mostly to farmer buyers.

Calf Show at Polled Shorthorn Farm

A calf show will be held in connection with what is said to be the largest Polled Shorthorn sale in the Southwest this fall. The J. C. Banbury stock farms, at Glendale, near Pratt, hold the show Wednesday, November 8. The sale begins at 1 o'clock. In the morning a calf show will be held.

Cash prizes, amounting to \$110 will be offered in the calf show. There will be six prizes, in each class, divided as follows: First, \$15; second, \$12; third, \$10; fourth, \$8; fifth, \$6; and sixth, \$4. Show herds are barred from the show, and breeders are limited to two bulls and two heifers each.

Mr. Banbury has increased the seating capacity of his sale barn to 550. He will have a lunch served on the grounds, by the Ladies Aid society of the Glendale church.

Mr. Banbury started in the breeding business about 15 years ago, with the purchase of one heifer calf, for \$250. About 1907 Mr. Banbury was made fun of by his farmer friends. Yet he persisted and today that same calf, now in his herd, has produced stuff that has netted him more than \$4,000.

Horse and Mule Movement

The crop and market report of the United States Department of Agriculture for September, shows 89.4 per cent increase in horse receipts for September this year as compared to the same month last year. Horses received in 46 public stockyards in September totaled 41,327, an increase of 19,500 over September last year.

The total thus far for 1922 also shows an increase. The first nine months' total is ahead of last year's by 52,934 horses, or a general increase thru the year of 23.3 per cent.

Buying in the southern horse and mule markets has picked up considerably, reflecting the better tone of the cotton market. It has been noted in the past that within two weeks of a change in cotton prices, a change in the same direction takes place in the mule markets. The stockyards at Atlanta, Ga., Ft. Worth and San Antonio, Tex., at Memphis, Tenn., and at Montgomery, Ala., all show a healthy increase in horse and mule business over last year's record.

Stafford County Stock Show

At the third annual Stafford county stock and poultry show held at Stafford recently, a large number of exhibitors was present. More than \$1,000 in prize money was awarded to exhibitors of agricultural products, poultry and livestock. The show was well attended.

The Livestock Service of the Capper Farm Press

It 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 respective 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 animals, can obtain any required information about such livestock or about 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.
 T. T. Hunter, Southern Kansas.
 Stuart T. Morse, Oklahoma.
 Jesse B. Johnson, Southern Nebraska.
 R. A. McCartney, Northern Nebraska.
 G. Wayne Devine and Chas. L. Carter, Missouri.
 T. W. Morse, Director of Livestock Service
 Kansas Farmer and Mail and Breeze
 Topeka, Kansas

Now's the Time

The greatest opportunities for real building come in a business as it emerges from depression. Values are offered then which never otherwise are available at prices which those of moderate means can afford to pay.

The Glover Poland China Dispersion

holds preeminently such opportunities for many who never had hoped to own the great breeding values which there will be secured. You know the upturn in breeding stock is close, yet with conditions such that there is not a beginner; not a pig club boy but might reasonably count on securing some of these tops—

The World's Greatest Collection

The Best Poland Chinas Known

will be driven thru the auction ring in two days of steady selling; a stream of values the like of which no buyers ever before have had a chance to choose from and from which a blind man could pick prizes.

How often have you, who are getting started in the Poland China business or are maintaining only a moderate herd; how often have you figured on how you might

Put Some of the Best in Your Herd

You have studied Poland Chinas; the development of the breed and its show yard history. You know in how few hands the strictly top material has been concentrated during periods of great progress; how very few are the strains which turn out the individuals that

work practically all the improvement. Only the herds which have that kind really go forward.

Think What the Best May Mean to You

And never before have you had this real chance to secure it. Prompt action now, but there is time enough. Where sometimes there might be doubt, here there is certainty. Every one knows the Glover herd is the greatest. The recent National Swine Show record of 7 out of 10 championships; 12 out of 16 firsts, in competition with the world, is not needed to prove that point. For years the Glover herd has been doing this. Everyone knows that in this sale of large numbers, in which for two days the auctioneer's hammer must fall every few minutes on a value of the first water, that bargains will abound.

The one essential thing is to be there—The dates are Nov. 13 and 14

Write immediately to Lester Glover, as per address below. He will send you 25 or 30 pictures and descriptions of sample animals in this unprecedented dispersion. He will tell you how to get to the sale; he will reserve hotel accommodations for you if you wish. But you must write at once. Mention this paper and address

Lester Glover, 600 Victor Building, Kansas City, Missouri

O. W. Devine will represent this paper at the sale, which will be held in the New American Royal Livestock Show building adjoining the Kansas City Stock Yards. As an educational opportunity alone, this sale will justify the time and expense of beginners who attend.

Coming Farm Events

- November 8-10—Kaw Valley Potato Show, Topeka, Kan.
- November 13-14—Annual Meeting of the National Grange, Wichita, Kan.
- November 18-25—American Royal Livestock Show, New Exposition Building, Kansas City, Mo.
- December 2-9—International Livestock Exposition, Chicago, Ill.
- December 2-9—International Grain and Hay Show, Chicago, Ill.
- December 11-14—Annual Meeting of American Farm Bureau Federation, Chicago, Ill.
- December 27 to January 6—Herdsman's Short Course, Kansas State Agricultural College, Manhattan, Kan.
- February 5-10—Farm and Home Week, Kansas State Agricultural College, Manhattan, Kan.

A VERY IMPORTANT DISPERSION STOCK SALE
 November 9th and 10th, 1922, 1,000 HEREFORDS

At Ness City, Kansas

The famous REGISTERED HEREFORD herds of J. C. Hopper and C. O. Handley will be dispersed in lots to suit the purchaser. Much care has been taken to make these herds of Polled and Horned Herefords the best in the state. Can you afford to miss the wonderful sacrifice sale?

Also the SHORTHORN REGISTERED herd of J. C. Hopper and George Rayburn will be dispersed at public auction on November 14th at Ness City, Kan. 150, mostly Scotch top beauties, sired by the good bull LAVENDER of the Tomson Topeka herd.

J. C. HOPPER.
Ness City, Kan.

Business and Markets
(Continued from Page 26)

hundredweight; gray shorts, \$1.35 to \$1.40; brown shorts, \$1.20 to \$1.27; corn chop, \$1.48 to \$1.52; linseed meal, \$53.30 a ton; cottonseed meal, \$48.70; tankage \$70 to \$75; No. 1 alfalfa meal, \$22 to \$23; No. 2 alfalfa meal, \$18 to \$20.50; molasses alfalfa feed, \$19 to \$22; grain molasses horse feed, \$23 to \$27; grain molasses hog feed, \$37; dairy feed, \$27 to \$31; scratch poultry feed, \$22 to \$24.

The following prices are quoted on seeds in Kansas City:
 Bluegrass, \$15 to \$26 a hundredweight; alfalfa, \$9 to \$15; cane, \$1.50; flaxseed, \$2.19 to \$2.20 a bushel; millet, \$1.50 to \$1.75; timothy, \$4.50 to \$6; Sudan grass, \$4 to \$6.

Broomecorn of good grades is in strong demand and good prices are being offered. Baling of broomecorn is now proceeding rapidly. The following quotations are reported at Kansas City:
 Fancy whisk brush, \$350 a ton; fancy hurl, \$300 to \$315; choice Standard, \$290 to \$315; medium Standard, \$225 to \$250; medium Oklahoma Dwarf, \$225 to \$250; common Oklahoma Dwarf, \$210 to \$220.

POLAND CHINA HOGS

Wiebe's Big Poland Boars

75 to choose from. Good stock boars \$35.00 each. Write for prices and description on high class breeders' boars. Lots of size and best of quality. Liberator, Constructor, Designer and other leading families represented.

G. A. WIEBE, BEATRICE, NEB.

Real Big Type Polands

Boars and gilts, February and March farrow, sired by Big Orange, Jayhawk, Brown's Designer, Bendena Giant and Revolta. Very large and type. You can't beat them. JOHN D. HENRY, LeCompton, Kansas.

Schoenhöfer's Immuned Polands

Serviceable aged boars, \$25; bred sows and gilts, fall pigs, priced right.

Geo. J. Schoenhofer, Walnut, Kan.

DEMING RANCH BRED FEMALES

Young sows and gilts to farrow August and September. Bred to The Latchrite and Ranch Yankee. A fine lot of spring pigs, both sex. We'll take care of all your needs for Polands.

H. O. Sheldon, Supt. Hog Department, Oswego, Kan.

Bred Spring Yearlings

And spring boars by a son of The Jayhawk. Equally well bred dams. ROSS McMURRY, Burrton, Kansas.

Austin's Stock Farm Poland Chinas

Spring boars and gilts by Austin's Yankee Giant and a son of Liberator. MILES AUSTIN, Burrton, Kan.

For Sale—Big Type Poland China

Spring boars and gilts, also my Shorthorn herd bull. Roan Boy. W. T. HAMMOND, PORTIS, KANSAS.

CLINE BROS.'S POLANDS

3 Fall boars, spring gilts and boars by The Cracker-Jack, Orange Pete, King Kole, and Peter Pan.

Cline Bros., Coffeyville, Kansas

LIVESTOCK AUCTIONEERS AND SALE MANAGERS.

W. B. CARPENTER, AUCTIONEER

Livestock, Land & Lot Specialist
 16 years Pres. Largest Auction School
 818 Walnut St., 3rd Floor, Kansas City

BOYD NEWCOM, Auctioneer

219 Beacon Bldg., Wichita, Kan.

LAFE BURGER

Livestock and Real Estate Auctioneer
 WELLINGTON, KAN.

Jas. T. McCulloch, Clay Center, Kan.

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

Homer Boles, Randolph, Kan.

Purebred Stock Sales, land sales and big farm sales. Write or phone as above.

M. C. Pollard Carbonale, Kansas

Purebred stock sales. Poland China hogs a specialty. Write or phone for date.

HORSES AND JACK STOCK

6 Percheron, Ton Breeding Stallions

7 reg. jacks (own raising). Colts and mules to show, very choice stock with size and weight, desirable ages, dark colors.

GEO. SCHWAB, CLAY CENTER, NEB.

GREAT SHOW AND BREEDING JACKS

Priced right. Hineman's Jack Farm, Dighton, Kan.

SHETLAND COLTS AND YEARLINGS

For Sale. Mrs. J. C. Robinson, Harper, Kan.

The average yearly value of Kansas corn for the last 20 years has been \$67,679,016. This average value would buy 1,128 acres of land worth \$200 an acre, for every working day in the year.

POLAND CHINA HOGS

E. U. Ewing & Son's Poland Sale

55 Good Ones

At their farm 9 miles northeast of Hunter, Beloit, Kan., Nov. 14

This is the line up:
 12 proven sows by Sargent Jack by Col. Jack. Some with litters, others will have sale day.
 20 summer and fall gilts. Some with litters, others open. 12 spring gilts, 10 spring boars by our herd boar, Supreme Buster's Best No. 126992, who is also selling in the sale.

Sale catalogs are ready to mail. Address

E. U. Ewing & Son
 Beloit, Kansas
 Will Myers, Auctioneer.

J. J. Smith's Poland Sale

At Sale Barn, Burlingame, Kan.

Saturday, Nov. 11

Our offering will consist of
 25 spring gilts, 5 spring boars, 2 fall yearlings,
 2 tried sows, 1 sow with litter.

The best blood lines of the Poland China breed will be represented in this sale. If you want good blood lines and good individuals, arrange to attend this sale. For catalog Write

J. J. Smith, Burlingame, Kan.

BIG BLUE VALLEY BOARS

March and April farrow, weighing from 150 to 300 lbs., by BIG BONE DESIGNER by Designer, and JUMBO BLACK JACK, a boar that stands 46 inches high. Out of 750 and 800-lb. dams. The big bone, big litter, advance type.

THE BLUE VALLEY STOCK FARM
 Thos. Walker & Sons, Props.,
 Alexandria, Neb.

very low. You will have to hurry if you buy one and you should, without fail, write him today if you need a good boar at a fair price.—Advertisement.

J. J. Smith of Burlingame, Kan., is advertising his Poland China sale in this issue. On November 11 Mr. Smith will sell a choice lot of Poland Chinas. Look-up his advertisement in this issue and write for catalog at once.—Advertisement.

Lenzler & Sons Shorthorns
N. S. Lenzler & Sons of Alma, Kan., are advertising their Shorthorn sale in this issue. On November 9th they will sell at the farm near Alma, Kan., 45 head of Scotch and Scotch topped Shorthorns. The offering will consist of 38 females and seven bulls. Look up the advertisement if interested in good Shorthorns.—Advertisement.

Henry J. Haag's New Herd Boar
Henry J. Haag, Holton, Kan., has bought the junior champion boar pig of the National swine show of 1922. He is to be used in making the 1923 October boar and gilt sale even better than it was this year, also the average on over 50 head this year was nearly \$45.00. Mr. Haag's herd of Spotted Poland Chinas is one of the strongest herds in the West and such sales as were held at the Haag farm October 6 will make friends, not only for Mr. Haag's herd but for the Spotted Poland China breeders everywhere.—Advertisement.

Leo J. Healy's New Herd Boar
Leo J. Healy, Hope, Kan., has recently purchased from Hanks & Bishop, a March pig, a son of Paramount, that is said to be one of the herd boar prospects of the many good young boars bought by Kansas breeders this fall. He and another Sensation boar will be used on the sows and gilts that go in his bred sow sale February 6. Mr. Healy offers some very choice spring boars and at attractive prices. He will start the Central Kansas Duroc Jersey sale circuit with his bred sow sale at Hope, Kan., February 6.—Advertisement.

R. E. Kempin's Durocs
Among the well bred choice fall and spring boars that R. E. Kempin, Corning, Kan., is offering in his advertisement in the Mail and Breeze this week, is a grandson of Great Orion Sensation that is a real herd boar and show prospect. He is being priced along with the other good ones on the Kempin farm very reasonably. They have left some very choice sons of their great breeding boar, Orion Sensation 2nd, that are splendid prospects but a little younger than the others. They are priced right. Write Mr. Kempin for descriptions and prices.—Advertisement.

Stout & Sons' Purebred Herds
T. F. Stout & Sons, Studley, Kan., breeders of Shorthorns and Duroc Jerseys, and members of the Shortgrass Shorthorn Breeders' Association, attended the Forney Duroc Jersey sale recently at Beaver City, Neb., where they bought some good Durocs. At the Gove county fair at Quinter recently they showed Shorthorns and Durocs and received their share of blue ribbons. Earl Stout, junior member of this firm, is secretary of the association and around 20 Shorthorn breeders in that section belong to this dandy little Shorthorn breeders' association.—Advertisement.

Herd Bull at Auction
Importantly represented and included in the Shorthorn sale of A. L. and D. Harris of Osage City, Kan., on November 9 will be the herd bull, Beaufort Sultan. This roan herd bull, bred by Tomson Bros. of Dover, Kan., represents an especially desirable line of breeding. He belongs to one of the greatest Maer families, namely the Red Lady, in the development of which were used the greatest foundation bulls in the Scotch pedigree of all time. This young bull's sire is a grandson of Whitehall Sultan from the Cruickshank Victoria family.—Advertisement.

R. J. Bazant's Spotted Polands
R. J. Bazant, Narka, Kan., Republic county, one of the most extensive breeders of Spotted Poland China hogs in the West, is anxious that you write him about one of his spring boars for use in your herd. He says they are missionary boars and will do more to popularize Spotted Polands than any boar he has ever raised and he is pricing them right, in fact very low considering that they are big fellows weighing over 200 pounds and many of them much more. They are bred right and you better write today if you want a good boar at a fair price.—Advertisement.

Ewing & Son's Poland China Sale
E. W. Ewing & Son, Beloit, Kan., are advertising their Poland China boar and gilt sale in this issue of the Mail and Breeze. They are advertising 10 boars in their advertisement this week but have written me that they only have two boars in the sale. But they are selling the number of sows and litters and gilts that the advertisement says. This is their first sale and they are putting in the kind that will make a good sale and you can depend upon it they are offering good ones in this sale. The sale is November 14 and it is at the farm, nine miles northeast of Hunter. It is driving distance from Beloit.—Advertisement.

Woody & Crowl's Duroc Sale
The Woody-Crowl sale of Duroc Jersey boars and gilts at the Roadside Farm, near Bernard, Kan., next Thursday, November 9, will comprise an offering of 40 of the best spring boars and gilts you have seen driven through a sale ring this fall. They are bred by two boars principally, High Giant and China Sensation—two boars that as sires of the top high class boars and gilts, can't be beat in the state. The Woody-Crowl herd sows are of great merit and you have a right to expect something out of the ordinary in this boar and gilt sale. Remember it is next Thursday, November 9. You will buy a boar at a very reasonable figure in this sale because prices are almost sure to range low. Be there if you want the best.—Advertisement.

J. J. Smith's Durocs
J. J. Smith's offering of spring and fall boars in the Duroc Jersey section of the Mail and Breeze this week are as good as any that I know anything about. They are well bred, well grown and the big, type fellows that you fall in love with when you see them. Commander Giant, who is he? Well, if you were at either the Nebraska or Kansas fairs you ought to know. He is what a good many thought was the best

boar of the three Commander boars that Putman showed last fall. Commander is the outstanding boar that all Kansas breeders are talking about right now. Commander Giant, the Smith boar, will be heard from in future shows and he will be used liberally in the breeding of the sows and gilts that will sell in Mr. Smith's bred sow sale in February. This sale will be held on Washington's birthday, February 22. Just keep it in mind. The sale will be advertised in the Mail and Breeze. But don't forget to write for descriptions and prices on the young boars he is offering right now.—Advertisement.

Geary County Association Sale
The Geary County Purebred Stock Breeders' Association show and sale, at Junction City, Kan., November 14, 15, 16 and 17, is advertised in this issue of the Mail and Breeze. Seventy-five purebred cattle and hogs will be sold on the day of the sale, which is Friday, Nov. 17. These are the tops of the good Geary county herds and the Geary county breeder is proud of his herd and wants you to see some samples of what Geary county breeders have. He is bringing his best for this sale and he is showing it the three days before the sale and you can rest assured that he is bringing his best. Look up the advertisement in this issue of the Mail and Breeze. There is a string of good Herefords and the Shorthorn breeders while they are not offering as many are making up in quality. The Spotted Poland China consignments are good. Three Angus bulls, young ones, are extra good. Also a good young Holstein bull. Address C. W. Brakensiek, Secretary, Junction City, Kan., for the sale and show catalog at once. It is free for the asking.—Advertisement.

J. E. Bowser's Shorthorn Sale
J. E. Bowser, Abilene, Kan., breeder of registered Shorthorns for over 20 years, has bred and developed each year for a long time some young bulls that have gone out and made good in Kansas herds. At the present time his herd numbers nearly 100 head and he wants to reduce it some, and on November 16, at the fair grounds pavilion in Abilene, he is selling 40 lots, consisting of 16 young bulls, 18 dandy choice 2-year-old heifers, open, and 14 cows that are bred and two of them have calves at foot. The cows are bred to Major, a nice bred Scotch bull, and all of the young bulls and heifers are by him. This sale is not a sale of the cattle that he wants to sell because they are not good enough, but on the other hand it will go out and make good for the purchaser because he is planning to hold these sales each November in the future and expects to sell nothing but the kind of cattle that will make good. The sale catalog is ready to mail. Send for your copy. Address J. E. Bowser, Abilene, Kan. Look up the sale advertisement in this issue of the Mail and Breeze.—Advertisement.

Emery Johnson's Sale
The dispersion sale to be made by Emery Johnson at his farm near Emmett, Kan., November 11, 1922, will be characterized by the quality of the cattle offered. The 12 head of 2-year-old heifers are well grown out, of good color, and well bred and are bred to an exceptionally good bull. The 10 head of heifer calves will surely fill the eye of those hunting heifer calves for calf club purposes or wanting to add animals of this character to their herds. The cows are a good aged and useful lot of strictly healthy and dependable breeding matrons. The two herd bulls are desirable in every way and are strongly bred along Anxiety lines. The 40 high grade Hereford stock cows are a really desirable lot of well bred and grown out animals that will fill your eye when you see them. The 50 head of steer calves and the 20 head of heifer calves are all that could be desired. Be sure and attend this sale if you are in the market for either registered or grade cattle of a high type of usefulness. The farm is near Emmett, which is seven miles north of St. Marys, Kan. For the catalog address either sale manager, L. R. Brady, Manhattan, Kan., or Emery Johnson, St. Marys, Kan.—Advertisement.

BY J. T. HUNTER
Don't forget Miss Stanley's Scotch bulls selling in her Poland China sale at the farm November 9 near Anthony, Kan., and arrange to attend the sale. Harper or Anthony trains met by request.—Advertisement.

W. H. Huston, Americus, Kan., recently bought a spring boar by Stills Wonder 4th, by Stills. This boar will be used to breed a few sows by Waltmeyer's Giant, the senior sire in the Huston herd for the Huston Duroc sale February 2.—Advertisement.

D. A. Childers, Emporia, Kan., recently bought the Duroc junior champion boar at Central State Fair. This boar, Model Orion Wonder, is a grandson of Model Alley, 1918 Kansas grand champion. He will be used upon some of the females to be sold in the Childers February 21 sale.—Advertisement.

A number of females in Wilson-Holmquist Shorthorn sale, Ottawa, Kan., November 11, are bred to Roan Acres Sultan by 2nd Fair-acres Sultan and his half brother, 2nd Fair-acres Sultan Jr., was second in two-year-old class at Oklahoma Fair, defeating the bull that stood first at Topeka Fair. Attend this sale.—Advertisement.

O. A. Kurth's Polled Hereford Sale
O. A. Kurth of Offerle, Kan., is advertising his Polled Hereford cattle sale in this issue. On November 10 he will sell a lot of registered Polled Herefords, consisting of cows, heifers and bulls. Two herd bulls will be included in the offering.—Advertisement.

McComas Loses a Good Herd Sire
W. D. McComas, Wichita, Kan., recently lost Giant Orion Sensation 4th. This boar was considered by many good judges of Durocs as the best son of Great Orion Sensation in Kansas. Mr. McComas still has Pathrion, 1920 Topeka fair champion, and that sire will now be assisted by a spring boar by Leading Sensation, junior champion 1921 Nebraska state fair, out of a daughter of Joe Orion 5th.—Advertisement.

Krause's Champion Chester Whites
H. C. Krause, Hillsboro, Marion county, Kansas, at the recent state fair showed a senior boar pig, Rainbow Giant, and won grand championship with him. It takes a mighty good pig to win grand championship over older hogs. He also showed first aged boar, Henry's Pride. In this issue of Kansas Farmer and Mail and Breeze Mr. Krause offers weaning pigs by Henry's Pride and

Dispersion Sale

Reg. and Grade Hereford Cattle

At Crestview Farm 3/4 Mile North and Two Miles West of

Emmett, Kansas, Saturday, Nov. 11

Beginning at One P. M.

REGISTERED CATTLE—12 registered Hereford heifers, two-year-olds, bred to Elmwood Boy, a son of Beau Gomez Jr. 10 registered heifer calves strongly Anxiety bred. 6 registered Hereford cows, one with calf at foot and rebred to Elmwood Boy. Two herd bulls, both strongly Anxiety bred.

GRADE CATTLE—40 head of grade Hereford stock cows all rebred to Elmwood Boy. Fifty steer calves. Twenty heifer calves.

Emery Johnson, Owner, Emmett, Kan.
L. R. Brady, Sale Manager, Manhattan, Kan.
P. M. Gross, Auctioneer.

POLLED HEREFORD CATTLE POLLED HEREFORD CATTLE

O. A. Kurth's Polled Hereford Sale

Sale Beginning 10 A. M.

Offerle, Kansas, Friday, November 10

23 Registered Polled Herefords, 2 herd bulls, 3 young bulls, 10 cows, 8 heifers.

Other cattle, mostly grade Herefords and balance milk cows.

O. A. Kurth, Offerle, Kansas

HEREFORD CATTLE
Bocardo Registered Bull Given Away
2500 lbs. 22 reg. cows with calves, young, good-size and flesh, Anxiety breeding. Rebred to above bull, 44 head at \$52.50 each. Above bull given to purchaser.
BEN ELY, KINSLEY, KANSAS.

29 High Grade Hereford Cows
For Sale—All bred, also 1 registered Hereford bull 3 years old, 1 registered Hereford bull 18 months old.
DONALD FRAZER, Haven, Kan. Phone 73F-1

EXTRA GOOD YOUNG REG. HEREFORD
cows for sale, sired by Vice Paragon, good condition. Priced right. **E. A. MUELLER, McFarland, Kansas.**

GALLOWAY CATTLE
REGISTERED GALLOWAY CATTLE
Choice breeding stock with size and quality.
Fashion Plate, Silver Lake, Kan.

AYRESHIRE CATTLE
For Sale—Feb. 1, Our 5 yr. Sr. Bull
King Voca Armour. Dam A. R. 21,123 lbs. Sons also. **SUNRISE DAIRY, VALLEY FALLS, KAN.**

GUERNSEY CATTLE
Reg. Guernsey Bull Calves
May Rose breeding, from six weeks to serviceable age, from \$50 up. **C. F. HOLMES, OVERLAND GUERNSEY FARM, OVERLAND PARK, KANSAS.**

RANSOM FARM GUERNSEYS
Bulls—Calves to serviceable age by 1919 world's grand champion out of record breaking dams.
Ransom Farm, Homewood, Kansas

HOLSTEIN CATTLE
REG. HOLSTEIN BULL, BORN OCT. 4TH,
1921; mostly white; two nearest dams average almost 26 lbs. butter, seven days.
L. L. Grossnickle, Onaga, Kan.

HOLSTEIN CATTLE

HOLSTEIN CATTLE
Shungavally Holsteins
We have broken three state records in succession in the 10 months division in the senior two-year-old class. Also in the junior three-year-old class we hold the state record for butter. We have the usual number on long time test and are making some creditable records. Some young bulls and females for sale.
IRA ROMIG & SONS, TOPEKA, KAN.

Mott's Sale Calendar, Holstein Sales
Nov. 8—Pettis County Holstein Co., Sedalia, Mo.
Nov. 23—H. S. Engle, Abilene, Kan.
Nov. 27—F. H. Beck & Sons, Wichita, Kan.
Dec. 7—Albert Early, Rago, Kan.
Dec. 14—Various Breeders, Wichita, Kan.
Jan. 25—Kansas Assn. Show Sale, Wichita, Kan.
Mar. 1—Wm. M. England, Ponca City, Okla.
If you want to buy write to Mott. If you want to sell write to Mott. Address **W. H. MOTT, HEBBINGTON, KANSAS**

Braeburn Holsteins
Get a bull to use for fall freshening. Or a bred cow, or heifer, while prices are low. Take pick of a dozen to make room, first come, most choice.
H. B. Cowles, 608 Kan. Ave., Topeka, Kan.

Bonaccord Holsteins
Several bulls, ready for service bred and destined to be good. Federal accredited herd. Also some fine, growing Duroc Jersey spring boars.
LOUIS KOENIG, SOLOMON, KANSAS

Registered Holstein Cows and Heifers
Twelve A. R. O. cows, five bred heifers, also two young bulls for sale, sired by and bred to highest record bulls in Kansas. Prices very reasonable.
R. E. STUEWE, ALMA, KANSAS

MY HERD OF HOLSTEINS FOR SALE.
Write for particulars. **Geo. H. Kuhnhoff, 543 Michigan Ave., Leavenworth, Kansas.**

McKnight Disperses Holsteins

Derby, Kan., Wednesday, Nov. 15

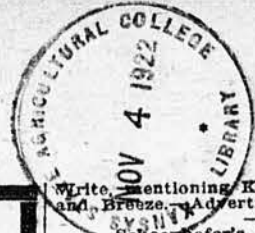
20 Registered and 40 High Grade Cows and Heifers

REGISTERED—Most of them out of A. R. O. dams, 10 with calves at side or to freshen soon. Included are granddaughter of King of the Pontiacs, granddaughter of King Segis Pontiac, and 5 yearling heifers by Sir Aaggie Korndyke Meade whose 5 nearest dams averaged 1,096 pounds butter and 23,000 pounds milk on official test.

HIGH GRADES—25 young cows by registered sires. They are in milk or to freshen soon; 15 heifers calves or yearlings. Younger animals are by Prince Netherland Creamelle tracing to Colantha Johanna Lad and out of 22 pound dam.

NOTE THIS—This herd has supplied more milk to Mulvane condensary within past 12 months than any other herd. On federal accredited list. Farm sale in forenoon includes first class condition modern dairy equipment, farm machinery, purebred Polands and horses. A paying dairy herd but ill health compels dispersion. Sale at farm 6 E. 2 N. of Derby or 4 E. 6 1/2 N. of Mulvane. Address

O. B. McKnight, Derby, Kansas,
Mentioning Kansas Farmer and Mail and Breeze.
FRED BALL, Auctioneer. J. T. HUNTER, Fieldman.



Dickinson Co. Shorthorn Sale

40 Lots, Nicely Bred Shorthorns, Tracing to the Most Popular Families. Sale in Pavilion at Fairgrounds

Abilene, Kansas, Thursday, November 16

The offering is a 50-50 selection from one of the largest herds in Dickinson county. It is a draft sale in which we are selling nothing but first class breeding cattle.

14 bred cows and two with calves at foot. 16 young bulls of serviceable ages, good ones. 18 2-year-old heifers, open. Desirable for calf clubs. Two last spring heifers.

The cows are bred to and the young bulls and heifers are by Major 816027, a splendidly bred pure Scotch bull.

Catalogs ready to mail right now. Address

J. E. Bowser, Abilene, Kansas

Auctioneers: Jas. T. McCulloch, Eli Hoffman, John Engle. J. W. Johnson, Fieldman, Mail and Breeze.

Write, mentioning Kansas Farmer and Mail and Breeze, Advertisement.

Schoenofor's Immuned Polands

One of the good Poland herds of South-eastern Kansas is that of Geo. J. Schoenofor, Walnut, Kan. He has been raising Polands a number of years and has sent out a lot of them all over Kansas and Oklahoma. At this time he starts an advertisement in the Kansas Farmer and Mail and Breeze. Read it. He announces for serviceable aged boars at attractive prices and will sell bred sows and gilts and pigs, also priced right. The boars are Premium Monarch and the fall pigs are other good sires. Write him. He has good ones. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Deming Ranch Polands are Winners

It would be too long a story to give of the recent state fair winnings of the Deming Ranch Polands. This herd is located at Oswego, Kan., and under management of H. O. Sheldon, it has grown into one of the largest and best herds to be found anywhere in the state of Kansas or the Southwest. Annually Mr. Sheldon makes pilgrimages to all the leading Poland shows of his state and southward and takes along with him a herd that puts up stiff competition in all classes. This year at Topeka and Hutchinson fairs the herd captured most of the top notch positions including senior and grand champion boar of Ranch Polands and first aged boar on Mastodon Island. It took nearly all the firsts in get of size, produce of dam, herds etc., including capture of the silver trophy awarded the herd for three successive years won the greatest number of futurity prizes. In Oklahoma the herd fared well, winning at Muskogee grand champion on aged boar, and junior champion on sow and took in about half the prize money awarded for winning Polands. The show herd was then headed toward Little Rock, Ark., and from thence on to Atlanta, Ga. The Deming Ranch Poland herd is widely and favorably known. Fancy experiments are tried out at the ranch. Care is exercised in selecting the best sires and dams available and in growing out the offspring. Poor quality Polands are discarded and those that give indications of breeding well are retained in the herd or sold to breeders. The Deming Ranch has put out a lot of good Polands everywhere over Kansas and the Southwest. It is a well established large herd and if you want some good hogs you will find an class well represented both in numbers and quality at the Deming Ranch and with a background of a number of prize-winning sires and dams that will give popularity to such hogs that you may see fit to purchase at the ranch. You will not go wrong in buying Polands of H. O. Sheldon who makes the hog department of the ranch. Write him and tell him what you are looking for and more than likely you will get just what you want in the Deming Ranch herd. When writing please mention Kansas Farmer and Mail and Breeze.—Advertisement.

BY JESSE R. JOHNSON

Walker & Sons Offer Big Boars

Thos. F. Walker & Sons, well known breeders of big type Poland China hogs have an announcement in this issue in which they offer March and April boars sired by Jumbo Black Jack and Big Bone. This is one of the old breeding firms of the state and they say in letter these boars are out of 750 and 800-lb. sows—the big litter big bone, advance type kind. For more information about the Walker Polands write them and mention this paper.—Advertisement.

BY T. W. MORSE

This May Never Happen Again

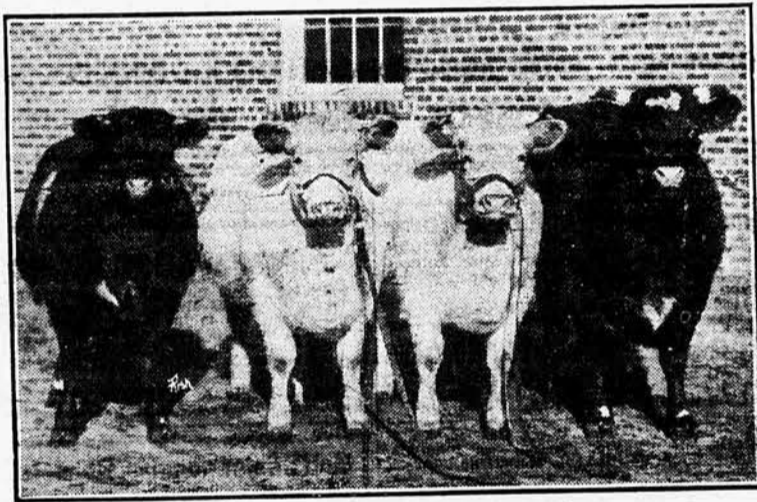
Those who need better Poland Chinas should bear in mind that maybe never again will a herd of such eminence be dispersed as that of Lester Glover of Kansas City. After a dozen years of unprecedented triumphs almost wholly with Poland Chinas in his own breeding, Mr. Glover will disperse in a great two-day public sale, a herd the greatest for the breed. The date is November 13 and 14. The place is the new American Livestock Show building at the Kansas City stock yards. A postal card request will bring full information, including pictures and descriptions of 25 or 30 sample members of this great herd. The catalog will follow. Hotel reservations will be made for you if you request. But the big thing is all is the opportunity. It may never again be matched. Breeding hogs, in spite of profits in pork, are selling where anyone can buy, and here comes a sale of hundreds of the kind you have always wished you could own. Act now. Address Lester Glover, Victor Bldg., Kansas City, Mo., and mention this paper. The advertisement in this paper is worth reading.—Advertisement.

American Royal Shorthorns Nov. 22

More popular Scotch families than ever before represented in an American Royal sale will be shown by the catalog for the year's offering. Be sure to send for the book. It will show the usual high class of breeding, coming from the best breeders of five states and representing a great array of famous and superior sires. But possibly more important is the care which has gone into the selection of these cattle and the policies in connection of the American Shorthorn Breeders' Association under whose auspices these sales annually are held. The sale will be held at Kansas City in connection with the American Royal Livestock show, coming on Wednesday, November 22. As always this probably will be one of the year's best sales for securing cattle in proximity of highly fitted show cattle buyers from realizing the high values they are getting until the sale is over. For catalog address, mentioning this paper, W. A. Cochel, Mgr., Baltimore Hotel Bldg., Kansas City, Mo.—Advertisement.

Kansas has a larger percentage of purebred Duroc Jerseys than 40 other states, and a larger percentage of purebred Poland Chinas than 35 other states

A cow calving in the fall will produce 30 or 40 pounds more butter in a year than one calving in spring.



Farms Need Shorthorns

The need increasingly is coming to be realized throught the country and the breeders of Shorthorns will realize the benefits. This year, as always, the

American Royal Shorthorn Auction

will be among the year's best events for securing real herd advancement material at moderate cost and guaranteed by the American Shorthorn Breeders' Association, under whose auspices these sales are held. The date is

Wednesday, November 22

New American Royal Building, Stock Yards, Kansas City

Look Who the Breeders Are Contributing to This Sale: The Allen Cattle Company, Colorado Springs, Colo.; F. C. Baker, Kansas City, Mo.; J. H. Degginger, Albany, Mo.; J. R. Evans & Bros., Maryville, Mo.; Ewing Bros., Morrisville, Mo.; W. A. Forsythe & Sons, Greenwood, Mo.; Frank R. McDermand, Kansas City, Mo.; Jos. Miller & Sons, Granger, Mo.; O. W. Nauman, Craig, Mo.; T. J. Sands, Robinson, Kan.; A. C. Shallenberger, Alma, Neb.; Leslie Smith & Sons, St. Cloud, Minn.; Sni-A-Bar Farms, Grain Valley, Mo.; A. O. Stanley, Sheridan, Mo.; Tomson Bros., Wakarusa, Kan.

You Are Offered 48 Real Ones, from five states, and here are the great sires represented—Advance Marshal, Anoka Omega, Autocrat, Ashbourne Choice, Benham Monarch, Brandsby's Officer, Crescent Goods, Cumberland Nugget, Dale Clarion, Diamond Baron, Grainford Marshal, Good Stamp, Lavender Emblem, Marshal's Crown, Meteor, Naemoor Comet, Oakwood Emblem, Radium, Rosewood Radium, Rosewood Supreme, Royal August, Royal Cup, Royal Monarch, Royal Sultan, Scottish Gem, Snow King, Strowan Advance Guard, Village Beau, Village Flash, Village Supreme, Villager's Rover, Villager's King, Violet Dale, White Sultan.

Get the catalog. It will show that more popular Scotch families are represented than ever before in an American Royal sale. It will give you a better insight into the producing herds of this territory than any book of equal size. It will tell you exactly what you want to know about the American Royal Shorthorn sale. Send for the catalog now, mentioning this paper and addressing

W. A. Cochel, Baltimore Hotel Bldg., Kansas City, Mo.

Watch Nov. 9—Scotch Bulls

We sell six yearling Scotch bulls by Rosewood Dale and Butterly Sultan, from heavy milking Searchlight and Violet dams. Herd federal accredited. Write for photos. Also 35 Poland China sows and gilts by Golden Buster and Big Timm II. For descriptions write

MISS M. V. STANLEY, ANTHONY, KAN.

Wanted Aged Shorthorn or Polled Shorthorn Bull

Also several red and roan Shorthorn bulls for sale from calves to eighteen months old.

CHESTER A. CHAPMAN, Ellsworth, Kan.

BROOKSIDE SHORTHORNS

1875—The Bloomers—1922
Ideal Victor, a Linwood Victoria. Sires: Silver Marquis, a Cruickshank Violet. Improvement our hobby. Young stock for sale.
W. A. Bloomer & Sons, Lebanon, Kan.

45 Scotch and Scotch Topped Shorthorns

Sale at N. S. Lenzler farm, 1/2 mile west and 4 miles north of

Almena, Kansas

Thursday, November 9

7 bulls and 38 females.

A fine lot of young bulls and heifers, sired by the great Scotch bull, Golden Villager 682751.

Also a fine lot of cows with calf at foot or heavy in calf. Write for catalog.

Morning Star Ladies will serve dinner.

Terms—Cash or 10 months' time with bankable note.

N. S. Lenzler & Sons
Almena, Kansas

Cols. Jas. T. McCulloch, Payton and Patton, Auctioneers. Clerk, Len Lovejoy.

Shorthorn Sale

Scotch and Scotch topped of real merit. Sale at the farm just west of town on Santa Fe trail

Osage City, Kan.

Thursday, Nov. 9

THIS IS THE OFFERING

20 cows and heifers; 12 spring calves; Our herd bull, Beaufort Sultan, a splendidly bred bull in his prime. Catalog ready to mail. Address

A. L. & D. Harris, Osage City, Kan.

A sale of 50 stock hogs to start at 10 o'clock A. M.

Don Milligan, the sire of his grand champion boar. These pigs are out of 600-pound dams, some of which were prize winners at the state fair. Write him today mentioning Kansas Farmer and Mail and Breeze.—Advertisement.

G. E. Stuckey's Durocs

G. E. Stuckey, Wichita, Kan., recently bought a fall yearling son of Pathmaster, the great Iowa Duroc sire that has a few sons in Kansas, all of which have proven to be exceptionally good sires. A number of the females in the Stuckey sale February 21 will be bred to this boar. This sale will be one of the very few pieces in Kansas where sows bred to a son of Pathmaster will be offered for sale.—Advertisement.

McClaskey's Durocs

One Southeastern Kansas Duroc breeder that has gone out and got good sires and dams and improved the breeding to a good standard is C. W. McClaskey, Girard, Kan. He starts an advertisement in this issue advertising all ages of boars and open or bred gilts, and fall pigs registered and immuned. Here is the place to get a few good ones priced right. The senior sire is Mc's Pathfinder, a line bred Pathfinder. The junior sire is Wonder Sensation, a grandson of Great Orion Sensation, a grandson of Wonder I Am dam. He also offers a few spring boars by other sires. The dams are mostly by High Orion, Orion Pathfinder and H. & B's Pathfinder. A nice lot for sale.

The Shorthorn Breeders of Kansas

M. NOFFSINGER, OSBORNE, KAN.
A few good bulls from
stock farm. A few good bulls from
months. Reds and roans. The home
choice, assisted by Marquis,
the bull.

Pioneer Shorthorn Herd
Bulls six to 12 months old sired
herd bull, Rothbush Sultan. A strong
of breeding cows. Come and see us near
Wm. Wales & Young, Osborne, Kan.

E. Huber, Meriden, Kan.
Bulls by our herd bull, Imp. Im-
by King of Diamonds, dam Village

dar Heights Stock Farm
yearling bulls, pure Scotch. One
and one Bloom. Farm near To-
West 6th Street road. Address,
T. FORBES, TOPEKA, KANSAS

MOUNT VALENTINE 2nd 694458
at Seebald, second Topeka and Hutchinson 1921
Site of Honor Maid, undefeated champion heifer
A great bargain in this great sire,
fully guaranteed. H. H. Holmes, Tapoka, Kan.

6 Tomson Bros., 1922
remarkable collection of breeding cows of ap-
proved lines noted for their uniform tip-
bon shows. A great bargain in this great sire,
son Bros., Wakarusa, Kan., or Dover, Kan.

Sunflower Shorthorns
headed by Golden Laddie, son of Maxwellton
10 bulls from six to 10 months old for sale.
Scotch and Scotch topped. Write for prices.
A. PRINGLE, ESKRIDGE, KANSAS

Amcoats, Clay Center, Ks.
choice Scotch and Scotch topped
of serviceable ages. Also some females

Elmhurst Shorthorns
herd carries the blood of bulls by Gal-
Knight, Lord Mayor, Collynie Hamp-
Best and two grandsons of Avondale.
for sale. W. J. Sayre, Manhattan, Kan.

W. J. & O. B. Burtis
four miles west of Manhattan on Golden Belt
and Interurban line. We offer two young
bulls, a few bred cows and heifers. Herd
Federal supervision. Visitors welcome.

ystal Spring Farm Herd
100 registered Shorthorns. Young cows and
for sale at attractive prices. Young bulls of
and Villager breeding for our fall trade.
Olson & Sons, Leonardville, Kansas

emont Farm, Manhattan, Kan.
firm joins Manhattan where visitors in-
ted in Shorthorns are always welcome.
ess as above.

R. B. BAYER, MANHATTAN, KAN.
onehaven Farm is three miles S. W. of
on main highway and Interurban line.
can supply choice Scotch and Scotch
ed bulls, cows and heifers.

H. Molyneaux & Son, Palmer, Kan.
se Hill Stock Farm. Herd headed by
wed Topsman. Bulls from 8 to 12
months old for sale. Also some cows and
heifers.

DECATUR CO. BREEDERS' ASS'N
Harry M. Roberts, Selden, Kan.
quality Shorthorns. A 12-month-old Marr Clara
bull, also a Marr Goldie January calf. Also
two very choice Poland China spring boars.
Write for address as above.

Two Pure Scotch Bulls
Both pure, one a Cruickshank Violet and the
other a Cruickshank Victoria. Nine and 11
months old. Splendid young bulls.
ARNER J. MARVIN, Achilles, Kansas

orton's Purebred Stock Farms
OBERLIN, KANSAS
All Beef Shorthorns; Big Type Chester Whites.
and good March boars for sale on approval.
owners' prices. Address as above.

Victoria's Baron 2nd
pure Scotch heading our herd of nearly all pure
Scotch, Duroc spring boars by a son of the
splendid young bulls.
VYKOCIL BROS., OBERLIN, KANSAS

MILLER BROS., DANBURY, NEB.
Imperial Knight 2d by Imported Lovely
Heifer, pure white bull, heads our herd.

SHORTGRASS BREEDERS' ASS'N
SLAVEN & SONS, SELDEN, KAN.
head bargain in herd sire, weight
600 lbs., five yearling bulls.

B. Shoemaker & Sons, Lucerne, Ks.
cows and heifers, bred or open. Bulls
at enough for service.

A. Teel, Lucerne, Kan.
herd headed by Meadow Goods, Bulls by
him for sale.

FOR SALE—COWS AND HEIFERS
also some young bulls, reds and roans.
A. C. SMITH, JENNINGS, KANSAS.

SILVER SPRINGS STOCK FARM
dual purpose; 1st prize winners.
no going. J. A. Miller, Quinter, Ks.

L. Mann, Quinter, Kan.
five yearling bull for sale by
him for sale. Priced right.

White Herd Bull, Vollum 860124
for sale; 3 years; grandson of Villager.
Elmer S. Graham, Quinter, Kan.

My Annual Sale October 26
An offering of pure Scotch and Scotch topped Shor-
thorns that you will endorse. Ask for the sale catalog
today. Address R. W. Dale, Almena, Kan., Norton Co.

A PURE SCOTCH HERD
Very choice young bulls ready for service
this fall. A well bred herd properly cared
for. Write for descriptions and prices.
Address, Robt. Russell, Muscotah, Kansas.

Big Field Farm Shorthorns
An exclusive pure Scotch herd headed by
Rosewood Pride. Two young bulls by him
of extreme quality. Poland China bred, sow
sale Oct. 21. T. J. Dawe & Son, Troy, Kan.

INTRODUCING AN ALL SCOTCH HERD
headed by Lavender's Diamond by Diamond
Emblem. Two very choice young bulls for
sale ready for service. For descriptions and
prices address, E. A. Myers, Troy, Kansas.

Scholz Bros., Huron, Kan.
Springdale Stock Farm herd headed by
Imp. Rosewood Stamp. Bulls of serviceable
ages by him and cows bred to him for sale.

Our Farm Near Lawrence
The home of good Shorthorns. Two bulls,
10 and 12 months old. When in Lawrence
call at our office.
HASFORD & ARNOLD, LAWRENCE, KAN.

WILDWOOD STOCK FARM
50 females. Herd headed by Armourdale
and Fair Baron. Always something for sale.
ASHER & ALLISON, LAWRENCE, KAN.

SALT CREEK VALLEY STOCK FARM
1870—THE CORYS—1922
Sires in service: Sultan's Champion 728280,
Lavender Radium 1084541 and Sultan of Abi-
lene 1064570. E. A. Cory & Sons, Talmo, Kan.

Young Bulls and Heifers
by Lord Albion. My farm joins town on
the east and we want to show you our
Shorthorns when you are in our vicinity.
Address, E. A. Campbell, Wayne, Kansas.

QUALITY RATHER THAN NUMBERS
Always something to sell. We like to show
our Shorthorns to interested parties and will
be glad to hear from anyone needing stock.
Address, R. B. Donham, Talmo, Kansas.

J. B. Sherwood, Talmo, Kan.
A Shorthorn herd in the making where
individual merit counts for more than num-
bers. Come and see me.

Meall Bros., Cawker City, Ks.
New Buttergask Shorthorns. Headed by
Lavender's Marshall 856486. Males and fe-
males for sale.

A. A. Tennyson, Lamar, Kan.
I have for sale six bulls, breeding ages, by
my herd bull, Clara's Type. Also cows and
heifers to reduce my herd. 100 head in herd.

C. W. Taylor, Abilene, Kan.
Shorthorns of approved type and breeding grown
under favorable conditions for the Kansas farmer and
breeder. A fine lot of young bulls and cows and
heifers for sale. Address as above.

Brookdale Farm Herd Shorthorns
Gwendale, a double grandson of Avondale. Scotch and
Scotch topped breeding cows. Excellent bull calves for
sale later on. Big type Durocs, fashionably bred. B. C.
Rhode Island Reds. A. J. Turinsky, Barnes, Kansas.

Reading the story of Loudon Duke 6th, one is reminded of the more rational way in which the Shorthorn public now looks upon a certain class of great bulls, of which the subject of this sketch was an illustrious member.

They were the bulls of the transition period, when the favor of the leading breeders was changing from the Bates and Booth families and types and our American adaptations of the same, to the Scotch type and families. Fifteen years later, when the Scotch craze had developed, there were "purists," not a few of them, with little enough judgment and balance, to refer slightly to these outstanding sires as "out-cross" bulls. Included in that list, beside Loudon Duke 6th, were Duke of Richmond and his son, Proud Duke; Golden Drop's Hillhurst, used by Col. Harris; Crown Prince of Athalstane and Peculated Wild Eyes. There were others equally meritorious, a cross of which brought the paradoxical result, as many breeders then saw it, of improving the strain, as to individuality, but seriously damaging it as to pedigree.

Happily that time is past. We import and accept now, from Scotland and England the same thing in principle, and really have quit trying to throw away the best legacies that were left us by the breeders who were retiring from the business 25 years ago.—Live-stock Editor.

LOUDEN DUKE 6TH

In the development of the purebred livestock industry, much has been said about the importance of prepotent sires. Without them no substantial and permanent progress can be made in improving livestock, and too much emphasis cannot be given to this prime essential.

As most of my life has been given to the development of Shorthorn cattle, I have seen many bulls that can be named as excellent illustrations of the truth of the foregoing statements. A bull that clearly belongs in this class

ALL CLASSES OF GOOD SHORTHORNS
Cows, heifers, bulls, young stock. Herd sire
Realm's Count 2nd by Wooddale Stamp, grand
champion and top bull at 1917 Central show
and sale. Dr. W. C. Harkey, Lenexa, Kan.

NEELANDS RANCH SHORTHORNS
Bull calves by Secret Lad, out of dams by Midea's
Last and Watson Searchlight. See these at the Staf-
ford County Stock Show Oct. 17-20.
G. D. HAMMOND, ST. JOHN, KANSAS.

J. P. Ray & Sons' Herds in Kan. and Okla.
Headed by Cumberland Herd by Cumberland Diamond
and Missie's Sultan 2d by Missie's Sultan. A lot of
foundations dams were Collynie bred. Write Guy Delay,
Mgr., Hecker, Okla., or J. P. Ray & Sons, Lawia, Kan.

A Large Well Bred Western Kansas Herd
Dams mostly by Avondale Villager. by Augustine and
Whitehall Gloster by Fond Memory. Junior sires are
Emblem Marshall by British Emblem and Medley by
Maxwalton Wanderer. Offering cows, heifers, bulls
and young stock. Robert J. Aekley, Garden City, Kan.

The Oldest Shorthorn Firm in Linn Co.
Dams mostly by Searchlight, Orange Lad, Orange Major
and King's Choice. Herd sire, Vinewood Baron. Offering
a number of nice bred heifers, yearlings, and calves.
Priced to sell. Write A. M. Markley, Mound City, Kan.

Cumberland Diamond—Villager's Champion
These sires head the herd. Dams from popularly
bred Scotch families as well as some from milking
strains. Heifers, bulls, cows and young stock for sale.
E. L. STUNKEL, PECK, KANSAS

Good Reliable Breeding Shorthorns
Imp. Kinocetry Ensign at head of herd. Dams by
Lavender Stamp out of popularly bred Scotch dams. A
Lavender Stamp yearling bull and some Scotch topped
females for sale. F. X. KELLY, GARDNER, KAN.

THE FOUNDATION KIND
Senior sire, Rosedale Secret by a son of Whitehall
Sultan. Junior sire, Roan Acres Sultan by 2nd Fair-
acres Sultan. Dams, Dainty Dame, Winnie, Non-
pareil, etc. Scotch and Scotch topped females and
youngsters for sale. F. W. Wilson & Son, Wellsville, Kan.

VERY CHOICE SCOTCH SHORTHORNS
Herd sire is Brave Marshall, an outstanding son of
Village Marshall. Herd is composed entirely of the
most popular Scotch families. Write us your wants.
G. F. KELLERMAN, MOUND CITY, KAN.

DAIRY SHORTHORNS
Good Flora 5th has completed her year's work with
301.2 lbs. of "fat," which makes her the champion 2-
year-old of Kansas. Her yriling bull at \$100. Other bulls
very cheap. Herd Fed. tested. J. W. Hyde, Almena, Ks.

Cedar Lawn Shorthorns
Scotch heifers open or bred, bulls of serviceable age.
Herd Sires: Changer's Knight K. by Dale's Chal-
lenger by Double Dale and Hampton Primrose by
Hampton Spray. H. I. GADDIS, McCUNE, KAN.

A POPULAR BRED HERD
Hampton Spray and Lavender Viscount cows and
heifers bred to Fairacres Jr. by Fairacres Sultan Jr.
and Villager bred serviceable aged bulls for sale.
Good milking Shorthorns. Theo. Jagels, Hepler, Kan.

1894—Nevins Farms Shorthorns—1922
Females of best Scotch families. Young herd
bulls by Golden Searchlight by Searchlight, and
Brave Sultan, Priged right.
C. S. NEVINS & SONS, CHILES, KANSAS

R. M. Anderson, Beloit, Kan.
Milking Shorthorns, headed by Glenrose Lad
506412, the best Dairy Shorthorn bull in the
west. Must sell him. Write for price.

Cloverleaf Herd of Shorthorns
A herd of pure Scotch Shorthorns headed by Baron
Dale by Diamond Dale. Scotch cows and heifers for
sale. Farm four miles west of Summerfield on the
Nebraska-Kansas line. Write for prices and descrip-
tions. G. F. HART, SUMMERFIELD, KANSAS.

and that fills a bright page in Short-horn history is Loudon Duke 6th. He was bred by William Warfield, Lexington, Ky., got by Muscaton 7057, out of Loudon Duchess 2nd, a famous prize winner.

As a yearling, Loudon Duke 6th was a first prize winner at Kentucky and Ohio fairs in 1871, and in February, 1872, my father, J. G. Cowan, bought him from Mr. Warfield for \$3,000. No such bull either in merit of form or in price had ever been taken to Northwest Missouri and while many thought the price excessive, the record of the bull as a prize winner and breeder soon proved his purchase very fortunate.

My father began breeding Short-horns in 1867 but had only moderate success until the purchase of Loudon Duke 6th. From that time the improvement in his herd was marvelous and the success of his entries at the fairs in Missouri, Kansas and Nebraska soon created a strong demand for calves sired by Loudon Duke 6th. Several of these sold at \$1,000 each and the heifer, Loudon's Minna, brought \$2,500 at public sale and later won a gold medal as the best two-year-old at the Centennial Exposition in 1876. I have frequently heard men say that Loudon Duke 6th was the best bull they ever saw, but I regard this statement as influenced somewhat by enthusiasm, yet I can say that he was beaten only once in three years' showing and never when shown with his get.

No bull within my knowledge made a greater and more rapid improvement in a herd. He was the shade of red that has been called strawberry; was compact and very smooth with an attractive head and horn and a quiet disposition. From 1875 to 1885 his produce was the foundation of quite a few herds in Nebraska, Iowa, Kansas and Missouri.—B. O. Cowan.

Heavy Milkers of Beef Type
Practical farm Shorthorns, in fact, is our
specialty. Young stock by Villager Magnet
for sale. Herd Federal tested.
Fred Aildgaard & Sons, R. 6, Winfield, Kan.

Scotch and Scotch Topped Heifers and Bulls
Some by Gloster Cumberland, Rock Island, etc., out
of Marr Beauty, Cruickshank Secret, Lavender, Ruby
Lass, Orange Blossom, etc. dams. Write your wants
L. E. Wooderson, Route 6, Caldwell, Kansas

HEIFERS AND BULLS
By Imp. Bapton Dramatist, out of Scotch
dams, a number of which are imported.
Write or visit our herd.
D. WOHLSCHEGEL & SONS, Harper, Kan.

FAVORITE BY SCOTCH CUMBERLAND
This sire heads our herd and gets good
calves out of our herd cows. Write your
needs for young Shorthorns.
FRED MANNING, HARPER, KANSAS

A CHOICE HERD
Headed by Marshall Sunray. Dams include Campbell
Blooms, Cruickshank Butterflies, Scotch and Scotch
topped young stock for sale.
C. H. WHITE, BURLINGTON, KANSAS

Emblem Jr., Noted Son
of Imp. British Emblem heads my Short-
horns. His choice sons and daughters now
for sale.
E. S. DALE, PROTECTION, KANSAS

FEDERAL ACCREDITED FOR 4 YEARS
Our Shorthorns are headed by Maxwellton Mandolin,
by Revolution, and out of an Avondale dam. Most
popular Scotch families. Bulls and heifers for sale.
JOHN REGIER, WHITEWATER, KANSAS

Homer Creek Stock Farm
Consisting three Scotch cows, two bull calves, to the
Allen Co. Shorthorn sale, Humboldt, Oct. 20. The
only females we will have for sale this fall.
CLAUDE LOVEY, NEAL, KANSAS

Senior Sire Village Master
by Silver Knight out of a Lavender dam. Junior sire,
Village Park Baron by (Imp.) Gainford Rothes Prince
out of Acanthus dam. Serviceable aged bulls out of
Violet dams for sale. W. H. Brooker, Eureka, Kan.

EDGEWATER FARM SHORTHORNS
Federal accredited; headed by Cumberland
Cup. Dams by Matchless Dale, Villager,
Beaver Creek Sultan, etc. Write us your
wants. Ivy Allen & Sons, Burlington, Kan.

Lowmont Shorthorns—Federal Accredited
Herd sire, Augusta's Archibald by Right Stamp, out
of Imp. Brandy's Augusta 4th and Merry Omega by
Anoka Omega. Young bulls for sale. Fall sale Oc-
tober 25. E. E. HEACOCK & SONS, WARFORD, KAN.

Collynie Bred—Scotch and Scotch Topped
Herd sire, Kansas Prince, a line bred Collynie; Collynie
Fairacres by Fairacres Jr., and out of Imp. Mayflower
dam; Usonia Gabele Goods by a Choice Goods sire. Good
bulls for sale. O. Q. Massa & Sons, Coffeyville, Kan.

Knox Knoll Shorthorns
Senior sire Scotch Cumberland by Cumberland Type out
of Burwood Royal. Junior sire Radium Stamp by Good
Stamp on Marr Emma foundation. Federal accredited.
S. M. KNOX, HUMBOLDT, KANSAS

125 FEMALES OF BREEDING AGE
All bred last spring to Villager bulls. A tuberculin
tested herd of Orangeblossoms, Victorias, etc. Scotch
and Scotch topped. Nothing for sale now.
WALTER WELCH, MACKSVILLE, KANSAS

MORE IMPORTED COWS
than in any other Shorthorn herd west of the Missis-
sippi. Herd sire, Imp. Loehdu Warrior and Imp.
Magiste. Both bred by Durno. Young stock for sale.
J. C. ROBISON, TOWANDA, KANSAS

LOOKY ACRES SULTAN
By Fairacres Sultan, heads my herd. Most of the
dams are on Victoria foundation. Young stock by
Looky Acres Sultan and Village Viscount, by Gregg's
Villager. Write us. Fremont Loidy, Leon, Kansas.

BRITISH VILLAGER
by British Emblem and out of a Mysel dam, heads
the herd. Dams mostly Orange Blossoms, Aconites,
Proud Queens, etc. Nothing for sale; inspection in-
vited. ASENDORF BROS., GARDEN PLAIN, KAN.

POLLED SHORTHORNS
Grassland Polled Shorthorns
Young bulls for sale of a very high
quality. Also females, either cows or
heifers. Inspection is invited. Address,
ACHENBACH BROS., Washington, Kan.

200 REG. POLLED SHORTHORNS
One of Kansas' largest Shorthorn
herds. Headed by four of the best bulls
of the breed. Fall sale November 8.
J. C. BANBURY & SONS, PRATT, KAN.

Sunnyridge Stock Farm
Bulls from 8 to 15 months old. Gloster's
Leader, an international winner
1919, heads our herd.
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POLLED SHORTHORNS
Increasing in popularity. Cows, heifers, yearling
bulls by Forest Sultan and Buttonwood Marshall.
A large herd from which to make selections.
C. M. Howard & Sons, Hammond, Kan.

SUNNY SLOPE STOCK FARM
Two open polled heifers, a red and a roan, 15 and
18 mo. old; good individuals and priced right.
for immediate sale.
T. M. WILLSON, LEBANON, KANSAS

Entire Herd for Sale
My entire herd of registered Polled Shorthorns
for sale at a bargain if taken at once. A splen-
did young herd. Write for full information.
GEO. A. HAMMOND, SMITH CENTER, KAN.

D.S. SHEARD, ESBON, KAN.
Invites your inspection of his Polled Shorthorn
herd at any time. Shoked 8 head, won 5 ribbons
at the County Fair. Stock for sale.

There's Money in Manure

For Example, Look at the Table of Wheat Yields

BY MOTT L. ROBINSON



A Field of Alfalfa Shocks With Caps; the Legumes and Manure Go Hand in Hand in Increasing the Yields of the Grain Crops in Kansas

THE accumulation of plant food that was liberated by the growing of native grasses and legumes thru long ages made a rich, virgin soil in Kansas. During the last 50 years, however, the practice of taking from the soil and returning nothing has caused an average decline in yields amounting to 18 per cent for wheat, 46 per cent for corn, and 35 per cent for oats. To be sure the present day farmer often succeeds in producing as good or even better yields than his forefathers. This maintenance of yield is due to improved methods of tillage and better adapted varieties of seed. In the future the question of soil fertility will be of increasing importance.

Contains Valuable Plant Food

Never was the saying, "A stitch in time saves nine," more true than it is in maintaining soil fertility. Manure is our greatest and most abundant form of fertilizer. Manure serves three purposes: It provides plant food, supplies organic matter, and prevents erosion. As a fertilizer, manure contains plant food elements in which most Kansas soils are lacking. Manure contains organic matter which in turn keeps the soil in better tilth and aids in bacterial and fungous action, thus helping to liberate the plant food which is in a mineral form. Manure also helps to prevent erosion by making the soil more porous.

R. I. Throckmorton of the Kansas Agricultural Experiment Station, has obtained, in the last 12 years, some encouraging results by the use of manure on wheat grounds; these are given in this table:

Test	Average Acre Yield in Bushels
1. Wheat continuously, no manure.....	15.0
2. Wheat continuously (No. 1), with 2.5 tons of manure applied annually.....	21.5
3. Three-year rotation, corn two years, wheat one year, no manure.....	19.6
4. Three year rotation, (No. 3), with 2.5 tons of manure annually.....	21.1
5. Sixteen-year rotation, wheat two years, corn one year, repeated for twelve years, alfalfa four years, no manure.....	17.7
6. Sixteen-year rotation (No. 5), with 5 tons of manure added every third year.....	21.9

It can be seen readily that manure increases the yield in every instance. As the experiment grows older, all indications point toward a more decided difference in the yields of the treated and untreated plots. While the experiment deals primarily with wheat production, manure increases the yields of other crops proportionately. A decided increase is shown with heavy feeding legumes, especially alfalfa. Alfalfa is a heavy feeder upon phosphorus and potassium. Most Kansas soils are well supplied with potassium, but are lacking in phosphorus.

Many farmers in Central and Western Kansas do not apply manure at all. The drought-resistance of crops seems to be lowered by its use. This, indeed, often occurs where manure is applied too heavily in regions of light rainfall. In such regions it should be applied in small quantities at a time, and usually as a top dressing, in order not to interfere with the moisture supply of the plants. Under such conditions it may be applied on ground that is to be listed to corn or kafir or it may be applied as a top dressing on winter wheat in the fall.

Heavy Losses From Leaching

In Eastern Kansas farmers know that manure does increase crop yields, but are somewhat careless in its care and use. At Manhattan manure exposed to summer weather for five months lost 62 per cent of its plant food. Cow manure leached for the same length of time, May to September, inclusive, lost 30 per cent of its plant food. This loss is due to fer-

mentation, bacterial action, and leaching. It readily can be seen that manure-saving equipment would soon pay for itself.

In humid climates there will be wet days when a team cannot go into the fields intended for tillage without causing more damage than would be compensated by saving of the manure. There will be periods of time when urgent work may make it impossible to take care of the manure. Such emergencies may be reduced to the minimum, however, by keeping a manure spreader expressly for this work, and so located that it will be more convenient to drop the manure accumula-

tions of the stable into the spreader than elsewhere.

There will also be days when the ground will be so covered with snow as to interfere with the working of the manure spreader. Manure spread upon the snow, however, according to Charles E. Thorne, Director of the Ohio Agricultural Experiment Station, is several times more valuable than manure that has been permitted to be leached by rains.

The proper handling of manure while in the stable is another important problem to be considered. With the proper bedding the liquid excrement can be safely conserved. Straw is one of the most valuable forms of bedding. In the Eastern states every pound of wheat or oats straw is saved and used solely for bedding purposes. In Kansas straw is plentiful and should be put into use to a better advantage as bedding material. Straw is one of the best absorbing materials and has the advantage of being easily handled.

It is difficult to realize the value of the manure that is actually being wasted without first knowing the value of the manure produced. The value of the manure produced in Kansas in 1920 was as follows: Horse manure, \$33,817,446; cow manure, \$54,851,240; hog manure, \$9,595,360; and sheep manure, \$600,200. These figures are based upon the plant food value contained in the manure and the present price of plant food contained in commercial fertilizers.

Field Selection Increases Yield

If seed corn is selected in the field there is no way of knowing by the kind of a stalk the ear was produced. In field selection one can pick an ear for its height and angle on the stalk as well as selecting a strong, sturdy stalk which is not too large and heavy for the section in which it is to be grown.

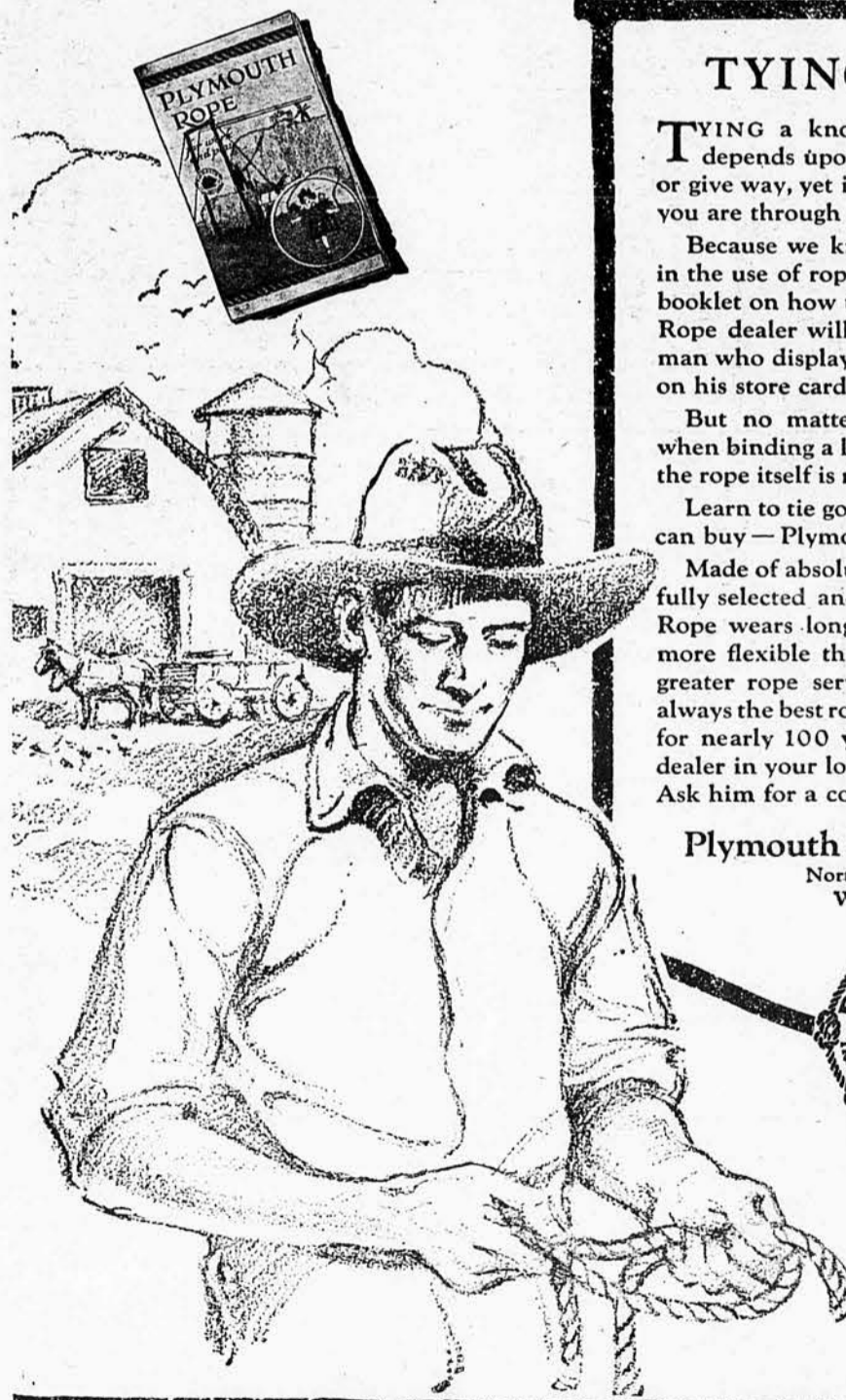
Plenty of good adapted seed, stored where it will properly dry, be protected from rodents, is a start for next year's corn crop. Seed twice as much as will be needed the next year's planting, and save remainder over until seed corn is needed for the following year. Relatively smooth ears have been shown by experiments to outyield the large, rough, deep kernalled type that has been popular as seed corn in many localities.

Road Costs Are Down

The L. L. Beye Paving Company El Dorado has been given the contract for 4 miles of 18-foot concrete road on the Fort Scott-Wichita Highway near Moran. The cost will be \$200,000 a mile, the lowest price since the World War.

Crop rotation, with the use of a legume such as alfalfa or Red clover is one of the most efficient ways of increasing crop yields.

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